

State of Nebraska - INVITATION TO BID CONTRACT

Date	11/21/23	Page	1 of 1
Solicitation Number	6840 OF		
Opening Date and Time	12/8/23	2:00 pm	
Buyer	CLINTON PAUL (AS)		

DESTINATION OF GOODS
AS MATERIEL - STATE PURCHASING
 1526 K ST STE 130
 LINCOLN NE 68508-2732

Per Nebraska's Transparency in Government Procurement Act, DAS is required to collect statistical information regarding the number of contracts awarded to Nebraska contractors. This information is for statistical purposes only and will not be considered for contract award purposes.

____ NEBRASKA CONTRACTOR AFFIDAVIT: Bidder hereby attests that bidder is a Nebraska Contractor. "Nebraska Contractor" shall mean any bidder who has maintained a bona fide place of business and at least one employee within this state for at least the six (6) months immediately preceding the posting date of this ITB.

____ I hereby certify that I am a Resident disabled veteran or business located in a designated enterprise zone in accordance with Neb. Rev. Stat. §73-107 and wish to have preference, if applicable, considered in the award of this contract.

Contract to supply and deliver Warewashing, Laundry and Miscellaneous Chemicals and Supplies to the State of Nebraska as per the attached specifications for a two (2) year period from date of award. The contract may be renewed for three (3) additional one (1) year periods when mutually agreeable to the vendor and the State of Nebraska.

(11/21/2023, RT)

INVITATION

**SEE ATTACHMENT A - BID SHEET
&
SEE ATTACHMENT B - ALTERNATIVE BID SHEET**

BIDDER MUST COMPLETE THE FOLLOWING

DISCOUNT PAYMENT TERMS: 0 % 45 DAYS

By signing this Invitation to Bid form, the bidder guarantees compliance with the provisions stated in this Invitation to Bid, agrees to the terms and conditions unless otherwise agreed to and certifies that bidder maintains a drug free work place environment. Vendor will furnish the items requested within 7-10 days after receipt of order. Failure to enter Delivery Date may cause quotation to be REJECTED.

Sign
Here

Ben Zuniga

(Authorized Signature Mandatory – Form must be signed manually in ink or by DocuSign)

Enter Contact Information Below

VENDOR# 501042

VENDOR: Ecolab Inc.

Address: 1 Ecolab Place

St. Paul, MN 55102

Contact Ben Zuniga, Bid Contracts Manager

Telephone 651-795-4378

Email Benjamin.zuniga@ecolab.com

\State of Nebraska (State Purchasing Bureau)
INVITATION TO BID FOR COMMODITIES CONTRACT

INVITATION TO BID NUMBER	RELEASE DATE
ITB 6840 OF	November 22, 2023
OPENING DATE AND TIME	PROCUREMENT CONTACT
December 8, 2023 2:00 p.m. Central Time	Clint Paul

PLEASE READ CAREFULLY
SCOPE

The State of Nebraska (State), Department of Administrative Services (DAS), Materiel Division, State Purchasing Bureau (SPB), is issuing this solicitation for a commodity contract, ITB Number 6840 OF for the purpose of selecting a qualified Contractor to provide Warewashing, Laundry, Miscellaneous Chemicals and Supplies. A more detailed description can be found in Section VI. The resulting contract may not be an exclusive contract as the State reserves the right to contract for the same or similar goods from other sources now or in the future.

The term of the contract will be two (2) years commencing upon execution of the contract by the State and the Contractor (Parties). The Contract includes the option to renew for three (3) additional one (1) year periods upon mutual agreement of the Parties. The State reserves the right to extend the period of this contract beyond the termination date when mutually agreeable to the Parties.

In the event that a contract with the awarded bidder(s) is cancelled or in the event that the State needs additional contractors to supply the solicited commodities, this ITB may be used to procure the solicited goods for up to eighteen (18) months from the date the Intent to Award is posted, provided that 1) the solicited goods will be provided by a bidder (or a successive owner) who submitted a bid pursuant to this ITB, 2) the bidder's bid was evaluated, and 3) the bidder will honor the bidder's original bid, including the proposed cost, allowing for any price increases that would have otherwise been allowed if the bidder would have received the initial award.

INFORMATION PERTINENT TO THIS INVITATION TO BID CAN BE FOUND ON THE INTERNET AT:
<https://das.nebraska.gov/materiel/bidopps.html>

IMPORTANT NOTICE: Pursuant to Neb. Rev. Stat. § 84-602.04, State contracts in effect as of January 1, 2014, and contracts entered into thereafter must be posted to a public website. The resulting contract, the solicitation and the successful Contractor's bid or response will be posted to a public website managed by DAS, which can be found at: <https://statecontracts.nebraska.gov> and https://www.nebraska.gov/das/materiel/purchasing/contract_search/index.php.

In addition and in furtherance of the State's public records statute (Neb. Rev. Stat. § 84-712 et seq.) all bids or responses received regarding this solicitation will be posted to the SPB website.

These postings will include the entire bid or response. Bidders must request that proprietary information be excluded from the posting. The bidder must identify the proprietary information, mark the proprietary information according to state law, and submit the proprietary information in a separate file named conspicuously as "PROPRIETARY INFORMATION." The bidder should submit a detailed written document showing that the release of the proprietary information would give a business advantage to named business competitor(s) and explain how the named business competitor(s) will gain an actual business advantage by disclosure of information. The mere assertion that information is proprietary or that a speculative business advantage might be gained is not sufficient. (See Attorney General Opinion No. 92068, April 27, 1992). **THE BIDDER MAY NOT ASSERT THAT THE ENTIRE BID IS PROPRIETARY. COST WILL NOT BE CONSIDERED PROPRIETARY AND ARE A PUBLIC RECORD IN THE STATE OF NEBRASKA.** The State will determine, in its sole discretion, if the disclosure of the information designated by the Bidder as proprietary would 1) give advantage to business competitors and 2) serve no public purpose. The Bidder will be notified of the State's decision. Absent a determination by the State that the information may be withheld pursuant to Neb. Rev. Stat. § 84-712.05, the State will consider all information a public record subject to disclosure.

If the State determines it is required to release withheld proprietary information, the bidder will be informed. It will be the bidder's responsibility to defend the bidder's asserted interest in non-disclosure.

To facilitate public postings, with the exception of proprietary information, the State of Nebraska reserves a royalty-free, nonexclusive, and irrevocable right to copy, reproduce, publish, post to a website, or otherwise use any contract, bid, or response to this Invitation to Bid for any purpose, and to authorize others to use the documents. Any individual or entity awarded a contract, or who submits a bid or response to this Invitation to Bid, specifically waives any copyright or other protection the contract, bid, or response to the Invitation to Bid may have; and, acknowledges that they have the ability and authority to enter into such waiver. This reservation and waiver is a prerequisite for submitting a bid or response to this Invitation to Bid, and award of a contract. Failure to agree to the reservation and waiver will result in the bid or response to the Invitation to Bid being found non-responsive and rejected.

Any entity awarded a contract or submitting a bid or response to the Invitation to Bid agrees not to sue, file a claim, or make a demand of any kind, and will indemnify and hold harmless the State and its employees, volunteers, agents, and its elected and appointed officials from and against any and all claims, liens, demands, damages, liability, actions, causes of action, losses, judgments, costs, and expenses of every nature, including investigation costs and expenses, settlement costs, and attorney fees and expenses, sustained or asserted

against the State, arising out of, resulting from, or attributable to the posting of the contract or the bids and responses to the Invitation to Bid, awards, and other documents.

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GLOSSARY OF TERMS

Acceptance Test Procedure: Benchmarks and other performance criteria, developed by the State or other sources of testing standards, for measuring the effectiveness of products or goods and the means used for testing such performance

Addendum: Something to be added or deleted to an existing document; a supplement

After Receipt of Order (ARO): After Receipt of Order

Agency: Using agencies shall mean and include all officers of the state, departments, bureaus, boards, commissions, councils, and institutions receiving legislative appropriations

Agent/Representative: A person authorized to act on behalf of another

Amend: To alter or change by adding, subtracting, or substituting

Amendment: A written correction or alteration to a document

Appropriation: Legislative authorization to expend public funds for a specific purpose; money set apart for a specific use

Automated Clearing House (ACH): Electronic network for financial transactions in the United States

Award: All purchases, leases, or contracts which are based on competitive bids will be awarded according to the provisions in the solicitation

Best and Final Offer (BAFO): In a competitive bid, the final offer submitted which contains contractor's most favorable terms for price

Bid: An offer, bid, or quote submitted by a contractor in a response to a written solicitation

Bid Bond: An insurance agreement, accompanied by a monetary commitment, by which a third party (the surety) accepts liability and guarantees that the contractor will not withdraw the bid

Bidder: A contractor who submits an offer bid in response to a written solicitation

Breach: Violation of a contractual obligation by failing to perform or repudiation of one's own promise

Business: Any corporation, partnership, individual, sole proprietorship, joint-stock company, joint venture, or any other private legal entity

Business Day: Any weekday, except State-recognized holidays

Calendar Day: Every day shown on the calendar including Saturdays, Sundays, and State/Federal holidays

Cancellation: To call off or revoke a bid, purchase order or contract without expectation of conducting or performing at a later time

Catalog/Non-Core: A printed or electronic list of products a contractor may provide at a discounted rate or discount off list price to the State. Initial contract award(s) is not based on Catalog/Non-Core items

Central Processing Unit (CPU): Any computer or computer system that is used by the State to store, process, or retrieve data or perform other functions using Operating Systems and applications software

Change Order: Document that provides amendments to an executed purchase order

Collusion: An agreement or cooperation between two or more persons or entities to accomplish a fraudulent, deceitful, or unlawful purpose

Commodities: Any equipment, material, supply or goods; anything movable or tangible that is provided or sold

Commodities Description: Detailed descriptions of the items to be purchased; may include information necessary to obtain the desired quality, type, color, size, shape, or special characteristics necessary to perform the work intended to produce the desired results

Competition: The effort or action of two or more commercial interests to obtain the same business from third parties

Confidential Information: Unless otherwise defined below, "Confidential Information" shall also mean proprietary trade secrets, academic and scientific research work which is in progress and unpublished, and other information which if released would give advantage to business competitors and serve no public purpose (see Neb. Rev. Stat. § 84-712.05(3)). In accordance with Nebraska Attorney General Opinions 92068 and 97033, proof that information is proprietary requires identification of specific, named competitor(s) who would be advantaged by release of the information and the specific advantage the competitor(s) would receive.

Contract: An agreement between two or more parties creating obligations that are enforceable or otherwise recognizable at law; the writing that sets forth such an agreement

Contract Administration: The management of the contract which includes and is not limited to contract signing, contract amendments and any necessary legal actions

Contract Management: The management of day to day activities at the agency which includes and is not limited to ensuring deliverables are received, specifications are met, handling meetings and making payments to the Contractor

Contract Period: The duration of the contract

Contractor: An individual or entity lawfully conducting business in the State, who seeks or agrees to provide goods or services under the terms of a written contract

Cooperative Purchasing: The combining of requirements of two or more political entities to obtain advantages of volume purchases, reduction in administrative expenses or other public benefits

Copyright: A property right in an original work of authorship fixed in any tangible medium of expression, giving the holder the exclusive right to reproduce, adapt and distribute the work

Core List: Items specifically listed on the solicitation upon which a bid is evaluated for award.

Critical Program Error: Any Program Error, whether or not known to the State, which prohibits or significantly impairs use of the Licensed Software as set forth in the documentation and intended in the contract

Customer Service: The process of ensuring customer satisfaction by providing assistance and advice on those products or goods provided by a Contractor

Default: The omission or failure to perform a contractual duty

Deviation: Any proposed change(s) or alteration(s) to either the terms and conditions or deliverables within the scope of the written solicitation or contract

Evaluation: The process of examining an offer after opening to determine the contractor's responsibility, responsiveness to requirements, and to ascertain other characteristics of the offer that relate to determination of the successful award

Evaluation Committee: Committee(s) appointed by the requesting agency that advises and assists the procuring office in the evaluation of bids (offers made in response to written solicitations)

Extension: Continuance of a contract for a specified duration upon the agreement of the parties beyond the original Contract Period; not to be confused with "Renewal Period"

Free on Board (F.O.B.) Destination: The delivery charges are included in the quoted price and prepaid by the contractor. Contractor is responsible for all claims associated with damages during delivery of product.

Free on Board (F.O.B.) Point of Origin: The delivery charges are not included in the quoted price and are the responsibility of the agency. Agency is responsible for all claims associated with damages during delivery of product

Foreign Corporation: A foreign corporation that was organized and chartered under the laws of another state, government, or country

Installation Date: The date when the procedures described in "Installation by Contractor" and "Installation by State" as found in the solicitation or contract are completed

Interested Party: A person acting in their personal capacity or an entity entering into a contract or other agreement creating a legal interest therein

Invalid Bid: A bid that does not meet the requirements of the solicitation or cannot be evaluated against the other bids

Invitation to Bid (ITB): A written solicitation used for obtaining competitive offers for Services or Goods

Late Bid: An offer received after the Opening Date and Time

Licensed Software Documentation: The user manuals and any other materials in any form or medium customarily provided by the Contractor to the users of the Licensed Software which will provide the State with sufficient information to operate, diagnose, and maintain the Licensed Software properly, safely, and efficiently

Mandatory/Must: Required, compulsory, or obligatory

May: Discretionary, permitted; used to express possibility

Module (see System): A collection of routines and data structures that perform a specific function of software

Must: See Mandatory/Must and Shall/Will/Must

National Institute for Governmental Purchasing (NIGP): National Institute of Governmental Purchasing – Source used for assignment of universal commodity codes to goods and services

Non-core: See Catalog

Nonnegotiable: These clauses are controlled by state law and are not subject to negotiation

Open Market Purchase: Authorization may be given to an agency to purchase items above direct purchase authority due to the unique nature, price, quantity, location of the using agency, or time limitations by the AS Materiel Division, State Purchasing Bureau

Opening Date and Time: Specified date and time for the public opening of received, labeled, and sealed formal bids

Operating System: The control program in a computer that provides the interface to the computer hardware and peripheral devices, and the usage and allocation of memory resources, processor resources, input/output resources, and security resources

Outsourcing: The contracting out of a business process that an organization may have previously performed internally or for which an organization has a new need to an independent organization from which the process is purchased back

Payroll & Financial Center (PFC): Electronic procurement system of record

Performance Bond: An insurance agreement accompanied by a monetary commitment by which a third party (the surety) accepts liability and guarantees that the Contractor fulfills any and all obligations under the contract

Platform: A specific hardware and Operating System combination that is different from other hardware and Operating System combinations to the extent that a different version of the Licensed Software product is required to execute properly in the environment established by such hardware and Operating System combination

Point of Contact (POC): The person designated to receive communications and to communicate

Pre-Bid Conference: A meeting scheduled for the purpose of clarifying a written solicitation and related expectations

Product: Something that is distributed commercially for use or consumption and that is usually (1) tangible personal property, (2) the result of fabrication or processing, and (3) an item that has passed through a chain of commercial distribution before ultimate use or consumption

Program Error: Code in Licensed Software that produces unintended results or actions or that produces results or actions other than those described in the specifications. A program error includes, without limitation, any Critical Program Error.

Program Set: The group of programs and products, including the Licensed Software specified in the solicitation, plus any additional programs and products licensed by the State under the contract for use by the State

Project: The total scheme, program, or method worked out for the accomplishment of an objective, including all documentation, commodities, and goods to be provided under the contract

Proprietary Information: Trade secrets, academic and scientific research work that is in progress and unpublished or other information that if released would give advantage to business competitors and serve no public purpose. See Neb. Rev. Stat. § 84-712.05(3). In accordance with Attorney General Opinions 92068 and 97033, proof that information is proprietary requires identification of specific named competitor(s) advantaged by release of the information and the demonstrated advantage the named competitor(s) would gain by the release of information.

Protest/Grievance: A complaint about a governmental action or decision related to the solicitation or resultant contract, brought by a contractor who has timely submitted a bid response in connection with the award in question to AS Materiel Division or another designated agency with the intention of achieving a remedial result

Public Bid Opening: The process of opening correctly submitted offers at the time and place specified in the written solicitation and in the presence of anyone who wished to attend

Quote: See Bid

Recommended Hardware Configuration: The data processing hardware (including all terminals, auxiliary storage, communication, and other peripheral devices) to the extent used by the State as recommended by the Contractor

Release Date: The date of public release of the written solicitation to seek offers

Renewal Period: Optional contract periods subsequent to the original Contract Period for a specified duration with previously agreed to terms and conditions; not to be confused with “Extension”

Responsible Contractor: A Contractor who has the capability in all respects to perform fully and lawfully all requirements with integrity and reliability to assure good faith performance

Responsive Contractor: A Contractor who has submitted a bid which conforms to all requirements of the solicitation document

Shall: See Must

Should: Expected; suggested, but not necessarily mandatory

Software License: Legal instrument with or without printed material that governs the use or redistribution of licensed software

Sole Source – Commodity: When an item is available from only one source due to the unique nature of the requirement, its contractor, or market conditions

Sole Source – Service: A service of such a unique nature that the contractor selected is clearly and justifiably the only practical source to provide the service. Determination that the contractor selected is justifiably the sole source is based on either the uniqueness of the service or sole availability at the location required

Specifications: The detailed statement, especially of the measurements, quality, materials, and functional characteristics, or other items to be provided under a contract

Subcontractor: Individual or entity with whom the contractor enters a contract to perform a portion of the work awarded to the contractor

System (see Module): Any collection or aggregation of two (2) or more Modules that is designed to function, or is represented by the Contractor as functioning or being capable of functioning, as an entity

Termination: Occurs when the contract expires or either party, pursuant to a power created by agreement or law, puts an end to the contract prior to the stated expiration date; all obligations that are still executory on both sides are discharged but any right based on prior breach or performance survives

Third-Party: Any person or entity, including but not limited to fiduciaries, shareholders, owners, officers, managers, employees, legally disinterested persons, and subcontractors or agents, and their employees. It shall not include any entity or person who is an interested party to the contract or agreement

Trade Secret: Information, including but not limited to, a drawing, formula, pattern, compilation, program, device, method, technique, code, or process that (a) derives independent economic value, actual or potential, from not being known to, and not being ascertainable by proper means by, other persons who can obtain economic value from its disclosure or use; and (b) is the subject of efforts that are reasonable under the circumstances to maintain its secrecy (see Neb. Rev. Stat. § 87-502(4))

Trademark: A word, phrase, logo, or other graphic symbol used by a manufacturer or contractor to distinguish its product from those of others, registered with the U.S. Patent and Trademark Office

Upgrade: Any change that improves or alters the basic function of a product of service

Vendor: Inclusive term for any Bidder or Contractor.

Will: See Mandatory/Must/Shall

Work Day: See Business Day

ACRONYM LIST

ARO – After Receipt of Order

ACH – Automated Clearing House

BAFO – Best and Final Offer

CNVH – Central Nebraska Veterans' Home

COI – Certificate of Insurance

CPU – Central Processing Unit

DAS – Department of Administrative Services

ENVH - Eastern Nebraska Veterans' Home

F.O.B. – Free on Board

ICT – Information and Communication Technology

ITB – Invitation to Bid

NIGP – National Institute for Governmental Purchasing

NVH – Norfolk Veterans' Home

PA – Participating Addendum

SPB – State Purchasing Bureau

WNVH – Western Nebraska Veterans' Home

BSDC – Beatrice State Developmental Center

YRTC – Youth Rehab & Treatment Center

LRC – Lincoln Regional Center

NRC – Norfolk Regional Center

I. PROCUREMENT PROCEDURE

A. GENERAL INFORMATION

This Invitation to Bid is designed to solicit bids from qualified Contractors who will be responsible for providing Warewashing, Laundry, Miscellaneous Chemicals and Supplies at a competitive and reasonable cost. Terms and Conditions, Project Description and Scope of Work, Bid instructions, and Cost Bid Requirements may be found in Sections II through VI.

Bids shall conform to all instructions, conditions, and requirements included in the solicitation. Prospective Contractors are expected to carefully examine all documents, schedules, and requirements in this solicitation, and respond to each requirement in the format prescribed. Bids may be found non-responsive if they do not conform to the solicitation.

B. PROCURING OFFICE AND COMMUNICATION WITH STATE STAFF AND EVALUATORS

Procurement responsibilities related to this solicitation reside with SPB. The point of contact (POC) for the procurement is as follows:

ITB Number: 6840 OF
Name: Clint Paul, Procurement Contract Officer(s)
Agency: State Purchasing Bureau
Address: 1526 K Street, Suite 130
Lincoln, NE 68508
Telephone: 402-471-6500
E-Mail: as.materielpurchasing@nebraska.gov

From the date the solicitation is issued until the Intent to Award is issued, communication from the Contractor is limited to the POC listed above. After the Intent to Award is issued, the Contractor may communicate with individuals the State has designated as responsible for negotiating the contract on behalf of the State. No member of the State Government, employee of the State, or member of the Evaluation Committee is empowered to make binding statements regarding this solicitation. The POC will issue any answers, clarifications or amendments regarding this solicitation in writing. Only the SPB or awarding agency can award a contract. Contractors shall not have any communication with, or attempt to communicate or influence any evaluator involved in this solicitation.

The following exceptions to these restrictions are permitted:

1. Contact made pursuant to pre-existing contracts or obligations;
2. Contact required by the schedule of events or an event scheduled later by POC; and
3. Contact required for negotiation and execution of the final contract.

The State reserves the right to reject a contractor's bid, withdraw an Intent to Award, or terminate a contract if the State determines there has been a violation of these procurement procedures.

C. SCHEDULE OF EVENTS

The State expects to adhere to the procurement schedule shown below, but all dates are approximate and subject to change.

ACTIVITY	DATE/TIME
1. Release solicitation	11/22/2023
2. Last day to submit written questions https://nebraska.sharefile.com/d-s36353d223e4041edb0a16be0ac373a63	11/26/2023
3. State responds to written questions through a solicitation "Addendum" and/or "Amendment" to be posted to the Internet at: https://das.nebraska.gov/materiel/bidopps.html	11/30/2023
4. Electronic Bid Opening via Zoom Meeting https://us02web.zoom.us/j/89336610644?pwd=K2FleDBxeTk5V3NibGw2M1dxc0Q3Zz09 Upload electronic Bid submissions for 6840 OF via ShareFile to: https://nebraska.sharefile.com/d-s650f75ad5fe44511a0bef20f14d12dae	12/8/2023 2:00 PM Central Time

D. WRITTEN QUESTIONS AND ANSWERS

Questions regarding the meaning or interpretation of any solicitation provision must be submitted in writing to SPB and clearly marked "ITB Number 6840 OF; Warewashing, Laundry, Miscellaneous Chemicals and Supplies Questions". POC is not obligated to respond to questions that are received late per the Schedule of Events.

Contractors should present, as questions, any assumptions upon which the Contractor's bid is or might be developed. Bids will be evaluated without consideration of any known or unknown assumptions of a Contractor. The contract will not incorporate any known or unknown assumptions of a Contractor.

Questions should be uploaded using the ShareFile link provided in the ITB Schedule of Events, Section I.C. It is recommended that Contractors submit questions using the following format.

Solicitation Section Reference	Solicitation Page Number	Question

Written answers will be posted at <https://das.nebraska.gov/materiel/bidopps.html> per the Schedule of Events.

E. SECRETARY OF STATE/TAX COMMISSIONER REGISTRATION REQUIREMENTS (Nonnegotiable)

All Contractors must be authorized to transact business in the State and comply with all Nebraska Secretary of State Registration requirements. The Contractor who is the recipient of an Intent to Award will be required to certify that it has complied and produce a true and correct copy of its current (within ninety (90) calendar days of the intent to award) Certificate or Letter of Good Standing, or in the case of a sole proprietorship, provide written documentation of sole proprietorship and the United States Citizenship Attestation Form, available on the DAS website at: <http://das.nebraska.gov/materiel/purchasing.html>. This must be accomplished prior to execution of the contract.

F. ETHICS IN PUBLIC CONTRACTING

The State reserves the right to reject bids, withdraw an intent to award or award, or terminate a contract if a Contractor commits or has committed ethical violations, which include, but are not limited to:

1. Offering or giving, directly or indirectly, a bribe, fee, commission, compensation, gift, gratuity, or anything of value to any person or entity in an attempt to influence the bidding process;
2. Using the services of lobbyists, attorneys, political activists, or consultants to influence or subvert the bidding process;
3. Being considered for, presently being, or becoming debarred, suspended, ineligible, or excluded from contracting with any state or federal entity;
4. Submitting a bid on behalf of another party or entity;
5. Colluding with any person or entity to influence the bidding process, submit sham bids, preclude bidding, fix pricing or costs, create an unfair advantage, subvert the bid, or prejudice the State.

The Contractor shall include this clause in any subcontract entered into for the exclusive purpose of performing this contract.

Contractor shall report any violations of this clause throughout the bidding process and throughout the term of this contract for both the successful Contractor and its subcontractors.

G. DEVIATIONS FROM THE INVITATION TO BID

The requirements contained in the solicitation (Sections II through VI) become a part of the terms and conditions of the contract resulting from this solicitation. Any deviations from the solicitation in Sections II through VI must be clearly defined by the bidder in its bid and, if accepted by the State, will become part of the contract. Any specifically defined deviations must not be in conflict with the basic nature of the solicitation, solicitation requirements, or applicable state or federal laws or statutes. The State discourages deviations and reserves the right to reject proposed deviations.

H. SUBMISSION OF BIDS

The State is only accepting electronic responses submitted in accordance with this ITB. The State will not accept bids by mail, email, voice, or telephone, unless otherwise explicitly stated in writing by the State. Bids must be submitted via ShareFile by the date and time of the bid opening per the Schedule of Events. No late bids will be accepted.

Pages may be consecutively numbered for the entire bid or may be numbered consecutively within sections. Figures and tables should be numbered and referenced in the text by that number. They should be placed as close as possible to the referencing text.

It is the responsibility of the bidder to check the website for all information relevant to this ITB to include addenda and/or amendments issued prior to the opening date. The website can be found here: <https://das.nebraska.gov/materiel/bidopps.html>. If the bidder's bid is presented in such a fashion that makes evaluation difficult or overly time consuming the State reserves the right to reject the bid as non-conforming.

Note to bidders: Not all browsers are compatible with ShareFile. Currently Chrome, Internet Explorer and Firefox are compatible. After the bidder clicks the bid submission link, the bidder will be prompted to enter contact information including an e-mail address. By entering an e-mail address, the bidder should receive a confirmation email confirming the successful upload directly from ShareFile.

The ShareFile link for uploading ITB response(s) is provided in the ITB Schedule of Events, Section I.C.

*****UNLESS OTHERWISE NOTED, DO NOT SUBMIT DOCUMENTS THAT CAN ONLY BE ACCESSED WITH A PASSWORD*****

1. The Bid and Proprietary information should be uploaded as separate and distinct files.
 - a. If duplicated bids are submitted, the State will retain only the most recently submitted response.
 - b. If it is the bidder's intent to submit multiple bids, the bidder must clearly identify the separate submissions.
 - c. It is the bidder's responsibility to allow time for electronic uploading. All file uploads must be completed by the Opening date and time per the Schedule of Events. No late bids will be accepted.

2. ELECTRONIC BID FILE NAMES The bidder should clearly identify the uploaded ITB bid files. To assist in identification the bidder should use the following naming convention:
 - a. 6840 OF, <<COMMODITY>>NAME OF BIDDER Bid
 - b. If multiple files are submitted for one bid, add number of files to file names, e.g.,
 - i. 6840 OF, <<COMMODITY>>NAME OF BIDDER Bid File 1 of 2;
 - ii. 6840 OF, <<COMMODITY>>NAME OF BIDDER Bid File 2 of 2, etc.

The "Invitation to Bid for Commodities Contract" form must be signed manually in ink or by DocuSign and returned by the bid opening date and time along with the bidder's bid and any other requirements as stated in the Invitation to Bid document in order for the bidder's Invitation to Bid response to be evaluated.

By signing the "Invitation to Bid for Commodities Contract" form, the bidder guarantees compliance with the provisions stated in this Invitation to Bid.

I. BID PREPARATION COSTS

The State shall not incur any liability for any costs incurred by Contractors in replying to this solicitation, including any activity related to bidding on this solicitation.

J. FAILURE TO COMPLY WITH INVITATION TO BID

Violation of the terms and conditions contained in this solicitation or any resultant contract, at any time before or after the award, shall be grounds for action by the State which may include, but is not limited to, the following:

1. Rejection of a Contractor's bid;
2. Withdrawal of the Intent to Award;
3. Withdrawal of the Award;
4. Negative documentation regarding vendor performance;
5. Termination of the resulting contract;
6. Legal action; or,
7. Suspension of the Contractor from further bidding with the State for the period of time relative to the seriousness of the violation, such period to be within the sole discretion of the State.

K. BID CORRECTIONS

A contractor may correct a mistake in a bid prior to the time of opening by giving written notice to the State of intent to withdraw the bid for modification or to withdraw the bid completely. Changing a bid after opening may be permitted if the change is made to correct a minor error that does not affect price, quantity, quality, delivery, or contractual conditions. In case of a mathematical error in extension of price, unit price shall govern.

L. LATE BIDS

Bids received after the time and date of the bid opening will be considered late bids. Late bids will be returned unopened, if requested by the Contractor and at Contractor's expense. The State is not responsible for bids that are late or lost regardless of cause or fault.

M. BID OPENING

Anyone may attend the opening. It is considered a public opening. The Buyer will read the names of the respondents. Depending upon the complexity of the bid for goods, the Buyer may read the bids aloud or allow bids be available for viewing by the public during the bid opening. Once the bid opening has concluded, the bids will not be available for viewing until the Intent to Award has been posted. An initial bid tabulation will be posted to the website as soon as feasible. Information identified as proprietary by the submitting contractor, in accordance with the solicitation and state statute, will not be posted. If the state determines submitted information should not be withheld, in accordance with the [Public Records Act](#), or if ordered to release any withheld information, said information may then be released. The submitting contractor will be notified of the release and it shall be the obligation of the submitting contractor to take further action, if it believes the information should not be released.

N. INVITATION TO BID REQUIREMENTS

The bids will first be examined to determine if all requirements listed below have been addressed and whether further evaluation is warranted. Bids not meeting the requirements may be rejected as non-responsive. The requirements are as follows:

1. Original Commodity ITB form signed using an indelible method (electronic signatures approved by the Nebraska Secretary of State are acceptable);
2. Clarity and responsiveness of the bid;
3. Completed Sections II through VI;
4. State's Bid Sheet.

O. EVALUATION OF BIDS

All bids that are responsive to the solicitation will be evaluated based on the following:

1. Neb. Rev. Stat. § 81-161 allows the State to consider a variety of factors, including, but not limited to, the quality of performance of previous contracts to be considered when evaluating responses to competitively bid solicitations in determining the lowest responsible bidder. Information obtained from any Vendor Performance Notice or any Vendor Improvement Request (See Terms & Conditions, Section H) may be used in evaluating responses to solicitations for goods and services to determine the best value for the State.
2. Neb. Rev. Stat. § 73-107 allows for a preference for a resident disabled veteran or business located in a designated enterprise zone. When a state contract is to be awarded to the lowest responsible contractor, a resident disabled veteran or a business located in a designated enterprise zone under the Enterprise Zone Act shall be allowed a preference over any other resident or nonresident contractor, if all other factors are equal.

Resident disabled veterans means any person (a) who resides in the State of Nebraska, who served in the United States Armed Forces, including any reserve component or the National Guard, who was discharged or otherwise separated with a characterization of honorable or general (under honorable conditions), and

who possesses a disability rating letter issued by the United States Department of Veterans Affairs establishing a service-connected disability or a disability determination from the United States Department of Defense and (b)(i) who owns and controls a business or, in the case of a publicly owned business, more than fifty percent of the stock is owned by one or more persons described in subdivision (a) of this subsection and (ii) the management and daily business operations of the business are controlled by one or more persons described in subdivision(a) of this subsection. Any contract entered into without compliance with this section shall be null and void.

Therefore, if a resident disabled veteran or business located in a designated enterprise zone submits a bid in accordance with Neb. Rev. Stat. § 73-107 and has so indicated on the ITB cover page under "Contractor must complete the following" requesting priority/preference to be considered in the award of this contract, the following will need to be submitted by the contractor within ten (10) business days of request:

- a. Documentation from the United States Armed Forces confirming service;
- b. Documentation of discharge or otherwise separated characterization of honorable or general (under honorable conditions);
- c. Disability rating letter issued by the United States Department of Veterans Affairs establishing a service-connected disability or a disability determination from the United States Department of Defense; and
- d. Documentation which shows ownership and control of a business or, in the case of a publicly owned business, more than fifty percent of the stock is owned by one or more persons described in subdivision (a) of this subsection; and the management and daily business operations of the business are controlled by one or more persons described in subdivision (a) of this subsection.

Failure to submit the requested documentation within ten (10) business days of notice will disqualify the contractor from consideration of the preference.

P. BEST AND FINAL OFFER

If best and final offers (BAFO) are requested by the State and submitted by the contractor, they will be evaluated (using the stated BAFO criteria) and ranked by the Evaluation Committee. The State reserves the right to conduct more than one BAFO. The award will then be granted to the lowest responsible contractor. However, a contractor should provide its best offer in its original bid. Contractors should not expect that the State will request a BAFO.

Q. REFERENCE AND CREDIT CHECKS

The State reserves the right to conduct and consider reference and credit checks. The State reserves the right to use third parties to conduct reference and credit checks. By submitting a bid in response to this solicitation, the contractor grants to the State the right to contact or arrange a visit in person with any or all of the contractor's clients. Reference and credit checks may be grounds to reject a bid, withdraw an intent to award, or rescind the award of a contract.

R. AWARD

The State reserves the right to evaluate bids and award contracts in a manner using criteria selected at the State's discretion and in the State's best interest. After evaluation of the bids, or at any point in the solicitation process, the State of Nebraska may take one or more of the following actions:

1. Amend the solicitation;
2. Extend the time of or establish a new bid opening time;
3. Waive deviations or errors in the State's solicitation process and in contractor bids that are not material, do not compromise the solicitation process or a contractor's bid, and do not improve a contractor's competitive position;
4. Accept or reject a portion of or all of a bid;
5. Accept or reject all bids;
6. Withdraw the solicitation;
7. Elect to rebid the solicitation;
8. Award single lines or multiple lines to one or more contractors; or,
9. Award one or more all-inclusive contracts.

The State of Nebraska may consider, but is not limited to considering, one or more of the following award criteria:

1. Price;
2. Location;
3. Quality;
4. Delivery time;
5. Contractor qualifications and capabilities;
6. State contract management requirements and/or costs; and,

The solicitation does not commit the State to award a contract. Once intent to award decision has been determined, it will be posted to the internet at: <https://das.nebraska.gov/materiel/bidopps.html>

Any protests must be filed by a contractor within ten (10) business days after the intent to award decision is posted to the internet. Grievance and protest procedure is available on the internet at: https://das.nebraska.gov/materiel/docs/pdf/ProtestGrievanceWithGuidance_08042021.pdf

S. SPECIFICATIONS

Any manufacturer's names, trade names, brand names, information and/or catalog numbers listed in a specification are for reference and not intended to limit competition, but will be used as the standard by which equivalent material offered will be judged. The Materiel Administrator or his or her designee will be the sole judge of equivalency. The Contractor may offer any brands which meets or exceeds the specification. When a specific product is required, the solicitation will so state. Any item bid is to be the latest current model under standard production at the time of order. No used or refurbished equipment will be accepted, unless otherwise stated.

T. SAMPLES

When requested, samples should be furnished at the Contractor's expense prior to the opening of the bid, unless another time is specified. Each sample should be labeled clearly, and identify the Contractor's name, the ITB number, item number, and the brand and model number, if applicable. Samples submitted must be the commodities or equipment which would be delivered if awarded the bid. The State reserves the right to request samples even though this may not have been set forth in the solicitation. Samples may be destroyed in testing. If a sample is not destroyed in testing and a Contractor wishes to have the sample returned, it will be returned at the Contractor's expense upon request. The sample will not be returned until thirty (30) calendar days after any bid protest or, the execution of a contract. The Contractor shall have ten (10) calendar days to arrange for the return of the sample to the Contractor following any of the above dates. If no request from the Contractor is received within the above dates, the State reserves the right to use, donate, or surplus the samples in accordance with the State's policies.

U. CORE LIST AND CATALOG/NON-CORE

The State of Nebraska intends to enter into a Contract(s) for state agencies and/or facilities. The contract(s) will be for a list of common use items identified as a Core List and additional items identified as a Catalog/Non-Core List. Catalog/Non-Core List items shall be represented by a catalog or current manufacturer price list(s) containing items not called out in the Core List, as shown in Attachment A, 6840 OF, BID SHEET.

1. The Core List shall contain the most repetitively purchased items and will represent those products which the State wishes to establish as standard items based upon their value to the State in terms of quality and price. The Core List shall be subject to a greater discount than the Catalog/Non-Core item list. The State will not accept substitutions on the products listed on the Core List.
2. The Core List identifies the most commonly purchased items but is not a complete list of items purchased by the State, nor does it guarantee future purchase of these products. The State reserves the right to add or remove items from the Core Item list based on usage.
3. Catalog/Non-Core List items are defined as those additional items available from the contractor not listed as part of the Core List. Prices for Catalog/Non-Core items shall be determined by applying the quoted discount for the item(s)/category to the manufacturer's current catalog or manufacturer contractor's price list(s). The discount percentage for the Catalog/Non-Core items shall remain firm for the duration of the contract period.
4. All items not included on the Core List shall be considered Catalog/Non-Core Items.
5. At the request of the State Purchasing Bureau, the contractor shall block availability on certain Catalog/Non-Core items as identified by State Purchasing Bureau (i.e. printing, weapons, furniture, vehicles, micrographic equipment/copiers, mail equipment, and office supplies).
6. Any quantities stated are estimated annual quantities and shall not be construed to be either a minimum or a maximum. The State will not accept substitutions.

7. A manufacturer's model/number has been provided for each item, if requested.
8. In those cases where items may have been more than one brand name, the contractor may submit a bid on either brand. Please indicate which brand was proposed. Contractor must complete Attachment A, 6840 OF, BID SHEET. Pay special attention to the unit of measure.
9. Prices for Catalog/Non-Core items shall be determined by applying the quoted discount for the item to the manufacturer's current catalog or price list. The percentage discount for the items shall remain firm for the duration of the contract period. Bidder Contractor must clearly state the date of the catalog or price list used and provide a copy of the catalog to the State Purchasing Bureau upon request.
10. The pricing structure, consisting of all pricing formulas and pertinent information, for all non-core items must be clearly defined and documented for future auditing purposes.
11. The percentage discount rate for Catalog/Non-Core items or categories will not decrease during the life of the contract.
12. A firm percentage rate must be quoted by item or category, but a percentage range will not be considered by item or category.
13. Catalog/Non-Core Categories have been identified as follows
 - a. Other Kitchen Chemicals (excluding core items)
 - b. Other Laundry Chemicals (excluding core items)
 - c. Other Housekeeping Chemicals (excluding core items)
 - d. Other Miscellaneous Supplies (excluding core items)
14. Furniture, Business Paper, Envelopes, Office supplies, Food Service, Can Liners, Computer Hardware/Software, Food Products, Tobacco Products, Disposable Food Service, and Ice Melt are not to be made available for purchase by state agencies without approval from the State Purchasing Bureau and must be blocked in vendor's order system.
15. After award of the contract(s), the contractor shall supply additional copies of the current catalog or price list used for this solicitation for distribution to any requesting state agency at no charge within ten (10) business days of request.
16. Additional catalogs and/or price lists may be required and shall be provided without charge.
17. Any catalog or price list revisions which occur during the duration of the contract shall be provided upon request and without charge.
18. Usage reports may be requested by the State Purchasing Bureau. The reporting period may be determined based on need and may include the following:
 - a. Fill rate information for Core List and Catalog/Non-Core items, statewide and by agency to include the number of orders received, orders processed, back orders, and partially filled orders.
 - b. Usage reports by agency and statewide indicating the numbers of each Core List and Catalog/Non-Core item sold.
19. Any additional report the State Purchasing Bureau may deem necessary
20. Contractor will not substitute any Core List item that has been awarded without prior written approval of State Purchasing Bureau.

V. ALTERNATE/EQUIVALENT BIDS

Contractor may offer bids which are at variance from the express specifications of the solicitation. The State reserves the right to consider and accept such bids if, in the judgment of SPB, the bid will result in goods and/or services equivalent to or better than those which would be supplied in the original bid specifications. Contractor must indicate on the solicitation the manufacturer's name, number and shall submit with their bid, sketches, descriptive literature

and/or complete specifications. Reference to literature submitted with a previous bid will not satisfy this provision. Bids which do not comply with these requirements are subject to rejection. In the absence of any stated deviation or exception, the bid will be accepted as in strict compliance with all terms, conditions and specification, and the Contractor shall be held liable therefore.

W. LUMP SUM OR "ALL OR NONE" BIDS

The State reserves the right to purchase item-by-item, by groups or as a total when the State may benefit by so doing. Contractors may submit a bid on an "all or none" or "lump sum" basis, but should also submit a bid on an item-by-item basis. The term "all or none" means a conditional bid which requires the purchase of all items on which bids are offered and bidder declines to accept award on individual items; a "lump sum" bid is one in which the bidder offers a lower price than the sum of the individual bids if all items are purchased, but agrees to deliver individual items at the prices quoted.

"LUMP SUM" OR "ALL OR NONE" BIDS SHOULD BE CONSPICUOUSLY MARKED ON THE FIRST PAGE OF THE ITB AND BID SHEET (IF APPLICABLE)

X. ALTERNATIVE SUBMISSION METHODS PROHIBITED

SPB will not accept bids by mail, email, voice, or telephone bid **except** for one-time purchases under \$50,000.00.

Y. BID TABULATIONS

Bid tabulations are available on the website at: <https://das.nebraska.gov/materiel/bidopps.html>.

Z. REJECTION OF BIDS

The State reserves the right to reject any or all bids, wholly or in part, in the best interest of the State.

AA. RESIDENT BIDDER

Pursuant to Neb. Rev. Stat. §§ 73-101.01 through 73-101.02, a resident bidder shall be allowed a preference against a non-resident bidder from a state which gives or requires a preference to bidders from that state. The preference shall be equal to the preference given or required by the state of the nonresident bidders. Where the lowest responsible bid from a resident bidder is equal in all respects to one from a nonresident bidder from a state which has no preference law, the resident bidder shall be awarded the contract. The provision of this preference shall not apply to any contract for any project upon which federal funds would be withheld because of the provisions of this preference.

II. TERMS AND CONDITIONS

By signing the solicitation, Contractor agrees to be legally bound by all the accepted terms and conditions as well as any proposed alternative terms and conditions submitted with the bid. The State reserves the right to negotiate rejected or proposed alternative language. If the State and Contractor fail to agree on the final Terms and Conditions, the State reserves the right to reject the bid. The State is soliciting bids in response to the solicitation. The State reserves the right to reject bids that attempt to substitute the Contractor's commercial contracts and/or documents for this solicitation.

The Contractor should submit with their bid any license, user agreement, service level agreement, or similar documents that the Contractor wants incorporated in the Contract. Upon notice of Intent to Award, the Contractor must submit a copy of these documents in an editable Word format. The State will not consider incorporation of any document not submitted with the Contractor's bid. These documents shall be subject to negotiation and will be incorporated as addendums if agreed to by the Parties.

If a conflict or ambiguity arises after the addendums have been negotiated and agreed to, the addendums shall be interpreted as follows:

1. If only one (1) Party's document has a particular clause then that clause shall control;
2. If both Party's documents have a similar clause, but the clauses do not conflict, the clauses shall be read together;
3. If both Party's documents have a similar clause, but the clauses conflict, the State's clause shall control.

A. GENERAL

The contract resulting from this solicitation shall incorporate the following documents:

1. Invitation to Bid and Addenda;
2. Amendments to the solicitation;
3. Questions and Answers;
4. Contractor's bid response;
5. The executed Contract and any Addenda, if applicable, and properly submitted documents; and,
6. Amendments to the Contract

These documents constitute the entirety of the contract.

Unless otherwise specifically stated in a future contract amendment, in case of any conflict between the incorporated documents, the documents shall govern in the following order of preference with number one (1) receiving preference over all other documents and with each lower numbered document having preference over any higher numbered document: 1) Amendment to the executed Contract with the most recent dated amendment having the highest priority, 2) executed Contract and any attached Addenda, 3) Amendments to solicitation and any Questions and Answers, 4) the original solicitation document and any Addenda, and 5) the Contractor's submitted Bid.

Any ambiguity or conflict in the contract discovered after its execution, not otherwise addressed herein, shall be resolved in accordance with the rules of contract interpretation as established in the State.

B. NOTIFICATION

Contractor and State shall identify the contract manager who shall serve as the point of contact for the executed contract.

Communications regarding the executed contract shall be in writing and shall be deemed to have been given if delivered personally; electronically, return receipt requested; or mailed, return receipt requested. All notices, requests, or communications shall be deemed effective upon receipt. Either Party may change its address for notification purposes by giving notice of the change, and setting forth the new address and an effective date.

C. NOTICE (POC)

The State reserves the right to appoint a Buyer's Representative to manage [or assist the Buyer in managing] the contract on behalf of the State. The Buyer's Representative will be appointed in writing, and the appointment document will specify the extent of the Buyer's Representative authority and responsibilities. If a Buyer's Representative is appointed, the Contractor will be provided a copy of the appointment document and is expected to cooperate accordingly with the Buyer's Representative. The Buyer's Representative has no authority to bind the State to a contract, amendment, addendum, or other change or addition to the contract.

D. GOVERNING LAW (Nonnegotiable)

Notwithstanding any other provision of this contract, or any amendment or addendum(s) entered into contemporaneously or at a later time, the parties understand and agree that, (1) the State of Nebraska is a sovereign state and its authority to contract is therefore subject to limitation by the State's Constitution, statutes, common law, and regulation; (2) this contract will be interpreted and enforced under the laws of the State of Nebraska; (3) any

action to enforce the provisions of this contract must be brought in the State of Nebraska per state law; (4) the person signing this contract on behalf of the State of Nebraska does not have the authority to waive the State's sovereign immunity, statutes, common law, or regulations; (5) the indemnity, limitation of liability, remedy, and other similar provisions of the final contract, if any, are entered into subject to the State's Constitution, statutes, common law, regulations, and sovereign immunity; and, (6) all terms and conditions of the final contract, including but not limited to the clauses concerning third-party use, licenses, warranties, limitations of liability, governing law and venue, usage verification, indemnity, liability, remedy or other similar provisions of the final contract are entered into specifically subject to the State's Constitution, statutes, common law, regulations, and sovereign immunity.

The Parties must comply with all applicable local, state and federal laws, ordinances, rules, orders, and regulations.

E. AMENDMENT

This Contract may be amended in writing, within scope, upon the agreement of both parties.

F. CHANGE ORDERS OR SUBSTITUTIONS

The State and the Contractor, upon the written agreement, may make changes to the contract within the general scope of the solicitation. Changes may involve specifications, the quantity of work, or such other items as the State may find necessary or desirable. Corrections of any deliverable, service, or work required pursuant to the contract shall not be deemed a change. The Contractor may not claim forfeiture of the contract by reasons of such changes.

The Contractor shall prepare a written description of the work required due to the change and an itemized cost sheet for the change. Changes in work and the amount of compensation to be paid to the Contractor shall be determined in accordance with applicable unit prices if any, a pro-rated value, or through negotiations. The State shall not incur a price increase for changes that should have been included in the Contractor's bid, were foreseeable, or result from difficulties with or failure of the Contractor's bid or performance.

No change shall be implemented by the Contractor until approved by the State, and the Contract is amended to reflect the change and associated costs, if any. If there is a dispute regarding the cost, but both parties agree that immediate implementation is necessary, the change may be implemented, and cost negotiations may continue with both Parties retaining all remedies under the contract and law.

In the event any product is discontinued or replaced upon mutual consent during the contract period or prior to delivery, the State reserves the right to amend the contract or purchase order to include the alternate product at the same price.

*****Contractor will not substitute any item that has been awarded without prior written approval of SPB*****

G. RECORD OF VENDOR PERFORMANCE

The State may document the vendor's performance, which may include, but is not limited to, the customer service provided by the vendor, the ability of the vendor, the skill of the vendor, and any instance(s) of products or services delivered or performed which fail to meet the terms of the purchase order, contract, and/or Invitation to Bid specifications. In addition to other remedies and options available to the State, the State may issue one or more notices to the vendor outlining any issues the State has regarding the vendor's performance for a specific contract ("Vendor Performance Notice"). The State may also document the Vendor's performance in a report, which may or may not be provided to the vendor ("Vendor Improvement Request"). The Vendor shall respond to any Vendor Performance Notice or Vendor Improvement Request in accordance with such notice or request. At the sole discretion of the State, such Vendor Performance Notices and Vendor Improvement Requests may be placed in the State's records regarding the vendor and may be considered by the State and held against the vendor in any future contract or award opportunity.

H. NOTICE OF POTENTIAL CONTRACTOR BREACH

If Contractor breaches the contract or anticipates breaching the contract, the Contractor shall immediately give written notice to the State. The notice shall explain the breach or potential breach, a proposed cure, and may include a request for a waiver of the breach if so desired. The State may, in its discretion, temporarily or permanently waive the breach. By granting a waiver, the State does not forfeit any rights or remedies to which the State is entitled by law or equity, or pursuant to the provisions of the contract. Failure to give immediate notice, however, may be grounds for denial of any request for a waiver of a breach.

I. BREACH

Either Party may terminate the contract, in whole or in part, if the other Party breaches its duty to perform its obligations under the contract in a timely and proper manner. Termination requires written notice of default and a thirty (30) calendar day (or longer at the non-breaching Party's discretion considering the gravity and nature of the default) cure period. Said notice shall be delivered by email, read-receipt requested; Certified Mail, Return Receipt Requested; or in person with proof of delivery. Allowing time to cure a failure or breach of contract does not waive

the right to immediately terminate the contract for the same or different contract breach which may occur at a different time.

In case of breach by the Contractor, the State may, without unreasonable delay, make a good faith effort to make a reasonable purchase or contract to purchased goods in substitution of those due from the contractor. The State may recover from the Contractor as damages the difference between the costs of covering the breach. Notwithstanding any clause to the contrary, the State may also recover the contract price together with any incidental or consequential damages defined in UCC Section 2-715, but less expenses saved in consequence of Contractor's breach. OR In case of default of the Contractor, the State may contract the service from other sources and hold the Contractor responsible for any excess cost occasioned thereby.

The State's failure to make payment shall not be a breach, and the Contractor shall retain all available statutory remedies. (See Indemnity - Self-Insurance and Payment)

J. NON-WAIVER OF BREACH

The acceptance of late performance with or without objection or reservation by a Party shall not waive any rights of the Party nor constitute a waiver of the requirement of timely performance of any obligations remaining to be performed.

K. SEVERABILITY

If any term or condition of the contract is declared by a court of competent jurisdiction to be illegal or in conflict with any law, the validity of the remaining terms and conditions shall not be affected, and the rights and obligations of the parties shall be construed and enforced as if the contract did not contain the provision held to be invalid or illegal.

L. INDEMNIFICATION

1. GENERAL

The Contractor agrees to defend, indemnify, and hold harmless the State and its employees, volunteers, agents, and its elected and appointed officials ("the indemnified parties") from and against any and all claims, liens, demands, damages, liability, actions, causes of action, losses, judgments, costs, and expenses of every nature, including investigation costs and expenses, settlement costs, and attorney fees and expenses ("the claims"), sustained or asserted against the State for personal injury, death, or property loss or damage, arising out of, resulting from, or attributable to the willful misconduct, negligence, error, or omission of the Contractor, its employees, subcontractors, consultants, representatives, and agents, resulting from this contract, except to the extent such Contractor liability is attenuated by any action of the State which directly and proximately contributed to the claims.

2. SELF-INSURANCE (Statutory)

The State is self-insured for any loss and purchases excess insurance coverage pursuant to Neb. Rev. Stat. § 81-8,239.01. If there is a presumed loss under the provisions of this contract, Contractor may file a claim with the Office of Risk Management pursuant to Neb. Rev. Stat. §§ 81-8,829 through 81-8,306 for review by the State Claims Board. The State retains all rights and immunities under the State Miscellaneous (§ 81-8,294), Tort (§ 81-8,209), and Contract Claim Acts (§ 81-8,302), as outlined in Neb. Rev. Stat. § 81-8,209 et seq. and under any other provisions of law and accepts liability under this contract to the extent provided by law.

M. ATTORNEY'S FEES

In the event of any litigation, appeal, or other legal action to enforce any provision of the contract, the Parties agree to pay all expenses of such action, as permitted by law and if ordered by the court, including attorney's fees and costs, if the other Party prevails.

N. ASSIGNMENT, SALE, OR MERGER

Either Party may assign the contract upon mutual written agreement of the other Party. Such agreement shall not be unreasonably withheld.

The Contractor retains the right to enter into a sale, merger, acquisition, internal reorganization, or similar transaction involving Contractor's business. Contractor agrees to cooperate with the State in executing amendments to the contract to allow for the transaction. If a third party or entity is involved in the transaction, the Contractor will remain responsible for performance of the contract until such time as the person or entity involved in the transaction agrees in writing to be contractually bound by this contract and perform all obligations of the contract.

O. CONTRACTING WITH OTHER POLITICAL SUBDIVISIONS OF THE STATE OR ANOTHER STATE

The Contractor may, but shall not be required to, allow agencies, as defined in Neb. Rev. Stat. § 81-145, to use this contract. The terms and conditions, including price, of the contract may not be amended. The State shall not be contractually obligated or liable for any contract entered into pursuant to this clause.

The Contractor may, but shall not be required to, allow other states, agencies or divisions of other states, or political subdivisions of other states to use this contract. The terms and conditions, including price, of this contract shall apply to any such contract, but may be amended upon mutual consent of the Parties. The State of Nebraska shall not be contractually or otherwise obligated or liable under any contract entered into pursuant to this clause. The State shall be notified if a contract is executed based upon this contract.

P. FORCE MAJEURE

Neither Party shall be liable for any costs or damages, or for default resulting from its inability to perform any of its obligations under the contract due to an unforeseeable natural or man-made event outside the control and not the fault of the affected Party ("Force Majeure Event"). The Party so affected shall immediately make a written request for relief to the other Party, and shall have the burden of proof to justify the request. The other Party may grant the relief requested; relief may not be unreasonably withheld. Labor disputes with the impacted Party's own employees will not be considered a Force Majeure Event.

Q. CONFIDENTIALITY

All materials and information provided by the Parties or acquired by a Party on behalf of the other Party shall be regarded as confidential information. All materials and information provided or acquired shall be handled in accordance with federal and state law, and ethical standards. Should said confidentiality be breached by a Party, the Party shall notify the other Party immediately of said breach and take immediate corrective action.

It is incumbent upon the Parties to inform their officers and employees of the penalties for improper disclosure imposed by the Privacy Act of 1974, 5 U.S.C. 552a. Specifically, 5 U.S.C. 552a (i)(1), which is made applicable by 5 U.S.C. 552a (m)(1), provides that any officer or employee, who by virtue of his/her employment or official position has possession of or access to agency records which contain individually identifiable information, the disclosure of which is prohibited by the Privacy Act or regulations established thereunder, and who knowing that disclosure of the specific material is prohibited, willfully discloses the material in any manner to any person or agency not entitled to receive it, shall be guilty of a misdemeanor and fined not more than \$5,000.

R. EARLY TERMINATION

The contract may be terminated as follows:

1. The State and the Contractor, by mutual written agreement, may terminate the contract at any time.
2. The State, at its sole discretion, may terminate the contract for any reason upon thirty (30) calendar days' written notice to the Contractor. Such termination shall not relieve the Contractor of warranty or other service obligations incurred under the terms of the contract. In the event of termination the Contractor shall be entitled to payment, determined on a pro rata basis, for products or services satisfactorily performed or provided.
3. The State may terminate the contract immediately for the following reasons:
 - a. if directed to do so by statute;
 - b. Contractor has made an assignment for the benefit of creditors, has admitted in writing its inability to pay debts as they mature, or has ceased operating in the normal course of business;
 - c. a trustee or receiver of the Contractor or of any substantial part of the Contractor's assets has been appointed by a court;
 - d. fraud, misappropriation, embezzlement, malfeasance, misfeasance, or illegal conduct pertaining to performance under the contract by its Contractor, its employees, officers, directors, or shareholders;
 - e. an involuntary proceeding has been commenced by any party against the Contractor under any one of the chapters of Title 11 of the United States Code and (i) the proceeding has been pending for at least sixty (60) calendar days; or (ii) the Contractor has consented, either expressly or by operation of law, to the entry of an order for relief; or (iii) the Contractor has been decreed or adjudged a debtor;
 - f. a voluntary petition has been filed by the Contractor under any of the chapters of Title 11 of the United States Code;
 - g. Contractor intentionally discloses confidential information;
 - h. Contractor has or announces it will discontinue support of the deliverable; and,
 - i. In the event funding is no longer available.

S. CONTRACT CLOSEOUT

Upon termination of the contract for any reason the Contractor shall within thirty (30) days, unless stated otherwise herein:

1. Transfer all completed or partially completed deliverables to the State;
2. Transfer ownership and title to all completed or partially completed deliverables to the State;
3. Return to the State all information and data, unless the Contractor is permitted to keep the information or data by contract or rule of law. Contractor may retain one copy of any information or data as required to comply with applicable work product documentation standards or as are automatically retained in the course of Contractor's routine back up procedures;
4. Cooperate with any successor contactor, person or entity in the assumption of any or all of the obligations of this contract;
5. Cooperate with any successor contactor, person or entity with the transfer of information or data related to this contract;
6. Return or vacate any state owned real or personal property; and,
7. Return all data in a mutually acceptable format and manner.

Nothing in this section should be construed to require the Contractor to surrender intellectual property, real or person property, or information or data owned by the Contractor for which the State has no legal claim.

III. CONTRACTOR DUTIES

A. INDEPENDENT CONTRACTOR / OBLIGATIONS

It is agreed that the Contractor is an independent contractor and that nothing contained herein is intended or should be construed as creating or establishing a relationship of employment, agency, or a partnership.

The Contractor is solely responsible for fulfilling the contract. The Contractor or the Contractor's representative shall be the sole point of contact regarding all contractual matters.

The Contractor shall secure, at its own expense, all personnel required to perform the services under the contract. The personnel the Contractor uses to fulfill the contract shall have no contractual or other legal relationship with the State; they shall not be considered employees of the State and shall not be entitled to any compensation, rights or benefits from the State, including but not limited to, tenure rights, medical and hospital care, sick and vacation leave, severance pay, or retirement benefits.

By-name personnel commitments made in the Contractor's bid shall not be changed without the prior written approval of the State. Replacement of these personnel, if approved by the State, shall be with personnel of equal or greater ability and qualifications.

The Contractor warrants that all persons assigned to the project shall be employees of the Contractor or a subcontractor and shall be fully qualified to perform the work required herein. Personnel employed by the Contractor or a subcontractor to fulfill the terms of the contract shall remain under the sole direction and control of the Contractor or the subcontractor respectively.

With respect to its employees, the Contractor agrees to be solely responsible for the following:

1. Any and all pay, benefits, and employment taxes and/or other payroll withholding;
2. Any and all vehicles used by the Contractor's employees, including all insurance required by state law;
3. Damages incurred by Contractor's employees within the scope of their duties under the contract;
4. Maintaining Workers' Compensation and health insurance that complies with state and federal law and submitting any reports on such insurance to the extent required by governing law;
5. Determining the hours to be worked and the duties to be performed by the Contractor's employees; and,
6. All claims on behalf of any person arising out of employment or alleged employment (including without limit claims of discrimination alleged against the Contractor, its officers, agents, or subcontractors or subcontractor's employees).

If the Contractor intends to use any subcontractor, the subcontractor's level of effort, tasks, and time allocation must be clearly defined in the Contractor's bid. The Contractor shall agree that it will not utilize any subcontractors not specifically included in its bid in the performance of the contract without the prior written authorization of the State. If the Contractor subcontracts any of the work, the Contractor agrees to pay any and all subcontractors in accordance with the Contractor's agreement with the respective subcontractor(s).

The State reserves the right to require the Contractor to reassign or remove from the project any Contractor or subcontractor employee.

Contractor shall insure that the terms and conditions contained in any contract with a subcontractor does not conflict with the terms and conditions of this contract.

The Contractor shall include a similar provision, for the protection of the State, in the contract with any subcontractor engaged to perform work on this contract.

B. EMPLOYEE WORK ELIGIBILITY STATUS

The Contractor is required and hereby agrees to use a federal immigration verification system to determine the work eligibility status of employees physically performing work within the State. A federal immigration verification system means the electronic verification of the work authorization program authorized by the Illegal Immigration Reform and Immigrant Responsibility Act of 1996, 8 U.S.C. 1324a, known as the E-Verify Program, or an equivalent federal program designated by the United States Department of Homeland Security or other federal agency authorized to verify the work eligibility status of an employee.

If the Contractor is an individual or sole proprietorship, the following applies:

1. The Contractor must complete the United States Citizenship Attestation Form, available on the DAS website at https://das.nebraska.gov/materiel/purchase_bureau/vendor-info.html. The completed United States Attestation Form should be submitted with the solicitation response.
2. If the Contractor indicates on the attestation form that he or she is a qualified alien, the Contractor agrees to provide the U.S. Citizenship and Immigration Services documentation required to verify the Contractor's lawful presence in the United States using the Systematic Alien Verification for Entitlements (SAVE) Program.
3. The Contractor understands and agrees that lawful presence in the United States is required and the Contractor may be disqualified or the contract terminated if such lawful presence cannot be verified as required by Neb. Rev. Stat. § 4-108.

C. COMPLIANCE WITH CIVIL RIGHTS LAWS AND EQUAL OPPORTUNITY EMPLOYMENT/NONDISCRIMINATION (Statutory)

The Contractor shall comply with all applicable local, state, and federal statutes and regulations regarding civil rights laws and equal opportunity employment. The Nebraska Fair Employment Practice Act prohibits Contractors of the State, and their subcontractors, from discriminating against any employee or applicant for employment, with respect to hire, tenure, terms, conditions, compensation, or privileges of employment because of race, color, religion, sex, disability, marital status, or national origin (Neb. Rev. Stat. §§ 48-1101 through 48-1125). The Contractor guarantees compliance with the Nebraska Fair Employment Practice Act, and breach of this provision shall be regarded as a material breach of contract. The Contractor shall insert a similar provision in all subcontracts for goods or services to be covered by any contract resulting from this solicitation.

D. COOPERATION WITH OTHER CONTRACTORS

Contractor may be required to work with or in close proximity to other contractors or individuals that may be working on the same or different projects. The Contractor shall agree to cooperate with such other contractors or individuals, and shall not commit or permit any act which may interfere with the performance of work by any other contractor or individual. Contractor is not required to compromise Contractor's intellectual property or proprietary information unless expressly required to do so by this contract.

E. DISCOUNTS

Prices quoted shall be inclusive of ALL trade discounts. Cash discount terms of less than thirty (30) days will not be considered as part of the bid. Cash discount periods will be computed from the date of receipt of a properly executed claim voucher or the date of completion of delivery of all items in a satisfactory condition, whichever is later.

F. PRICES

Prices quoted shall be net, including transportation and delivery charges fully prepaid by the contractor, F.O.B. destination named in the solicitation. No additional charges will be allowed for packing, packages, or partial delivery costs. When an arithmetic error has been made in the extended total, the unit price will govern.

Prices submitted on the cost bid form shall remain fixed for the first one hundred eighty days (180) of the contract. Any request for a price increase subsequent to the first one hundred eighty days (180) of the contract shall not exceed ten percent (10 %) of the previous Contract period. Increases will be cumulative across the remaining periods of the contract. Requests for an increase must be submitted in writing to the State Purchasing Bureau a minimum of 30 days prior to the end of the current contract period. Documentation may be required by the State to support the price increase.

The State reserves the right to deny any requested price increase. No price increases are to be effective or billed to any State Agencies prior to written amendment of the contract by the parties.

The State will be given full proportionate benefit of any decreases for the term of the contract.

G. COST CLARIFICATION

The State reserves the right to review all aspects of cost for reasonableness and to request clarification of any bid where the cost component shows significant and unsupported deviation from industry standards or in areas where detailed pricing is required.

H. PERMITS, REGULATIONS, LAWS

The contract price shall include the cost of all royalties, licenses, permits, and approvals, whether arising from patents, trademarks, copyrights or otherwise, that are in any way involved in the contract. The Contractor shall obtain and pay for all royalties, licenses, and permits, and approvals necessary for the performance of the contract. The

Contractor must guarantee that it has the full legal right to the materials, supplies, equipment, software, and other items used to execute this contract.

I. OWNERSHIP OF INFORMATION AND DATA / DELIVERABLES

The State shall have the unlimited right to publish, duplicate, use, and disclose all information and data developed or obtained by the Contractor on behalf of the State pursuant to this contract.

The State shall own and hold exclusive title to any deliverable developed as a result of this contract. Contractor shall have no ownership interest or title, and shall not patent, license, or copyright, duplicate, transfer, sell, or exchange, the design, specifications, concept, or deliverable.

J. NOTICE OF POTENTIAL CONTRACTOR BREACH

If Contractor breaches the contract or anticipates breaching the contract the Contractor shall immediately give written notice to the State. The notice shall explain the breach or potential breach, and may include a request for a waiver of the breach if so desired. The State may, at its discretion, temporarily or permanently waive the breach. By granting a temporary waiver, the State does not forfeit any rights or remedies to which the State is entitled by law or equity, or pursuant to the provisions of the contract. Failure to give immediate notice, however, may be grounds for denial of any request for a waiver of a breach.

K. ANTITRUST

The Contractor hereby assigns to the State any and all claims for overcharges as to goods and/or services provided in connection with this contract resulting from antitrust violations which arise under antitrust laws of the United States and the antitrust laws of the State.

L. CONFLICT OF INTEREST

By submitting a bid, bidder certifies that no relationship exists between the bidder and any person or entity which either is, or gives the appearance of, a conflict of interest related to this Invitation to Bid or project.

Bidder further certifies that bidder will not employ any individual known by bidder to have a conflict of interest nor shall bidder take any action or acquire any interest, either directly or indirectly, which will conflict in any manner or degree with the performance of its contractual obligations hereunder or which creates an actual or appearance of conflict of interest.

If there is an actual or perceived conflict of interest, bidder shall provide with its bid a full disclosure of the facts describing such actual or perceived conflict of interest and a proposed mitigation plan for consideration. The State will then consider such disclosure and proposed mitigation plan and either approve or reject as part of the overall bid evaluation.

M. STATE PROPERTY

The Contractor shall be responsible for the proper care and custody of any State-owned property which is furnished for the Contractor's use during the performance of the contract. The Contractor shall reimburse the State for any loss or damage of such property; normal wear and tear is expected.

N. SITE RULES AND REGULATIONS

The Contractor shall use its best efforts to ensure that its employees, agents, and subcontractors comply with site rules and regulations while on State premises. If the Contractor must perform on-site work outside of the daily operational hours set forth by the State, it must make arrangements with the State to ensure access to the facility and the equipment has been arranged. No additional payment will be made by the State on the basis of lack of access, unless the State fails to provide access as agreed to in writing between the State and the Contractor.

O. ADVERTISING

The Contractor agrees not to refer to the contract award in advertising in such a manner as to state or imply that the company or its goods and services are endorsed or preferred by the State. Any publicity releases pertaining to the project shall not be issued without prior written approval from the State.

P. DISASTER RECOVERY/BACK UP PLAN

The Contractor shall have a disaster recovery and back-up plan to allow for continued delivery of goods or services under the specifications of the contract in the event of a disaster. The plan should include disaster contingency details related to equipment, personnel, facilities, and transportation. A copy of the disaster recovery and back-up plan should be provided upon request to the State.

Q. DRUG POLICY

Contractor certifies it maintains a drug free work place environment to ensure worker safety and workplace integrity. Contractor agrees to provide a copy of its drug free workplace policy at any time upon request by the State.

R. WARRANTY

Despite any clause to the contrary, the Contractor represents and warrants that its services hereunder shall be performed by competent personnel and shall be of professional quality consistent with generally accepted industry standards for the performance of such services and shall comply in all respects with the requirements of this Contract. For any breach of this warranty, the Contractor shall, for a period of ninety (90) days from performance of the service, perform the services again, at no cost to the State, or if Contractor is unable to perform the services as warranted, Contractor shall reimburse the State for all fees paid to Contractor for the unsatisfactory services. The rights and remedies of the parties under this warranty are in addition to any other rights and remedies of the parties provided by law or equity, including, without limitation actual damages, and, as applicable and awarded under the law, to a prevailing Party, reasonable attorneys' fees and costs.

S. TIME IS OF THE ESSENCE

Time is of the essence with respect to Contractor's performance and deliverables pursuant to this contract.

IV. PAYMENT

A. PROHIBITION AGAINST ADVANCE PAYMENT (Nonnegotiable)

Neb. Rev. Stat. § 81-2403 states, "[n]o goods or services shall be deemed to be received by an agency until all such goods or services are completely delivered and finally accepted by the agency."

B. TAXES (Nonnegotiable)

The State is not required to pay taxes and assumes no such liability as a result of this solicitation. The Contractor may request a copy of the Nebraska Department of Revenue, Nebraska Resale or Exempt Sale Certificate for Sales Tax Exemption, Form 13 for their records. Any property tax payable on the Contractor's equipment which may be installed in a state-owned facility is the responsibility of the Contractor.

C. INVOICES (Nonnegotiable)

Invoices for payments must be submitted by the Contractor to the agency requesting the goods or services with sufficient detail to support payment. The terms and conditions included in the Contractor's invoice shall be deemed to be solely for the convenience of the parties. No terms or conditions of any such invoice shall be binding upon the State, and no action by the State, including without limitation the payment of any such invoice in whole or in part, shall be construed as binding or estopping the State with respect to any such term or condition, unless the invoice term or condition has been previously agreed to by the State as an amendment to the contract. **The State shall have forty-five (45) calendar days to pay after a valid and accurate invoice is received by the State.**

D. INSPECTION AND APPROVAL

Final inspection and approval of all work required under the contract shall be performed by the designated State officials.

E. PAYMENT (Nonnegotiable)

Payment will be made by the responsible agency in compliance with the State of Nebraska Prompt Payment Act. See Neb. Rev. Stat. § 81-2403. The State may require the Contractor to accept payment by electronic means such as ACH deposit. In no event shall the State be responsible or liable to pay for any goods and services provided by the Contractor prior to the effective date of the contract, and the Contractor hereby waives any claim or cause of action for any such services.

F. LATE PAYMENT (Nonnegotiable)

The Contractor may charge the responsible agency interest for late payment in compliance with the State of Nebraska Prompt Payment Act. See Neb. Rev. Stat. §§ 81-2401 through 81-2408.

G. SUBJECT TO FUNDING / FUNDING OUT CLAUSE FOR LOSS OF APPROPRIATIONS (Nonnegotiable)

The State's obligation to pay amounts due on the Contract for a fiscal year following the current fiscal year is contingent upon legislative appropriation of funds. Should funds not be appropriated, the State may terminate the contract with respect to those payments for the fiscal year(s) for which such funds are not appropriated. The State will give the Contractor written notice thirty (30) calendar days prior to the effective date of termination. All obligations of the State to make payments after the termination date will cease. The Contractor shall be entitled to receive just and equitable compensation for any authorized work which has been satisfactorily completed as of the termination date. In no event shall the Contractor be paid for a loss of anticipated profit.

H. RIGHT TO AUDIT (First Paragraph is Nonnegotiable)

The State shall have the right to audit the Contractor's performance of this contract upon a thirty (30) day written notice. Contractor shall use generally accepted accounting principles, and shall maintain the accounting records, and other records and information relevant to the contract (Information) to enable the State to audit the contract. See Neb. Rev. Stat. § 84-304 et seq. The State may audit and the Contractor shall maintain the information during the term of the contract and for a period of five (5) years after the completion of this contract or until all issues or litigation are resolved, whichever is later. The Contractor shall make the Information available to the State at Contractor's place of business or a location acceptable to both Parties during normal business hours. If this is not practical or the Contractor so elects, the Contractor may provide electronic or paper copies of the Information. The State reserves the right to examine, make copies of, and take notes on any Information relevant to this contract, regardless of the form or the Information, how it is stored, or who possesses the Information. In no circumstances will Contractor be required to create or maintain documents not kept in the ordinary course of Contractor's business operations, nor will Contractor be required to disclose any information, including but not limited to product cost data, which is confidential or proprietary to Contractor.

The Parties shall pay their own costs of the audit unless the audit finds a previously undisclosed overpayment by the State. If a previously undisclosed overpayment exceeds one-half of one percent (.5%) of the total contract billings, or if fraud, material misrepresentations, or non-performance is discovered on the part of the Contractor, the Contractor

shall reimburse the State for the total costs of the audit. Overpayments and audit costs owed to the State shall be paid within ninety (90) days of written notice of the claim. The Contractor agrees to correct any material weaknesses or condition found as a result of the audit.

V. SCOPE OF WORK

The Contractor must provide the following information in response to this solicitation.

A. SCOPE

It is the intent of this bid invitation to establish a contract to supply Warewashing, Laundry, Miscellaneous Chemicals and per the attached specifications from date of award for a period of two (2) years with the option to renew for an additional three (3) one (1) year periods when mutually agreeable to the contractor and the State. The State reserves the right to extend the period of this contract beyond the end date when mutually agreeable to the contractor and the State.

All items proposed shall be of the latest manufacture in production as of the date of the solicitation and be of proven performance and under standard design complete as regularly advertised and marketed. All necessary materials for satisfactory performance of the supplies shall be incorporated into the Warewashing, Laundry, Miscellaneous Chemicals and Supplies whether or not they may be specifically mentioned below.

Complete specifications, manufacturer's current descriptive literature and/or advertising data sheets with cuts or photographs must be included with the bid for the IDENTICAL items proposed. Any information necessary to show compliance with these specifications not given on the manufacturer's descriptive literature and/or advertising data sheets must be supplied in writing on or attached to the bid document. If manufacturer's information necessary to show compliance with these specifications is not attached to the bid document, the Contractor may be required to submit requested information within three (3) business days of a written request. Failure to submit requested descriptive literature or advertising data sheets may be grounds to reject the bid.

VI. TECHNICAL SPECIFICATIONS

A. BIDDER INSTRUCTIONS

Bidder must respond to each of the following statements. Specifications listed are minimum conditions that must be met in order for a Bidder to qualify for the award.

“YES” response means the Bidder guarantees they can meet this condition.


“NO” response means the Bidder cannot meet this condition and will not be considered.

“NO & PROVIDE ALTERNATIVE” responses should be used only with a narrative response in the NOTES/COMMENTS section explaining in detail any deviation from the Bidder’s ability to meet the condition, and an explanation of how this would be determined to be an acceptable alternative to meeting the condition. Alternatives must be detailed in such a way that allows such deviations to be fully evaluated. The State shall determine at its sole discretion whether or not the Bidder’s alternative is an acceptable alternative.






B. NON-COMPLIANCE STATEMENT

YES	NO	NO & PROVIDE ALTERNATIVE	
By			1. Read these specifications carefully. Any and all exceptions to these specifications must be written on or attached to quotation request. Any noncompliance may void your quotation. Non-compliance to any single specification can void your quotation.
By			2. It is the responsibility of Bidders to obtain information and clarifications as provided below. The State is not responsible for any erroneous or incomplete understandings or wrongful interpretations of this ITB by any Bidder.
By			3. No interpretation related to the meaning of bid specifications or other pre-bid documents will be made orally to any Bidder by the State. Any ITB interpretation must be put in writing and faxed by the Bidder to: the State Purchasing Bureau, Fax (402) 471-2089 or e-mailed to AS Materiel Purchasing as.materielpurchasing@nebraska.gov by the last day to submit written questions that is specified in the Schedule of Events. (Inquiries received after the last day to submit written questions may not be addressed).
<p>NOTES/COMMENTS:</p>			

C. DEPARTMENT OF HEALTH AND HUMAN SERVICES (DHHS) SECURITY CONCERNS and TOBACCO POLICY

YES	NO	NO & PROVIDE ALTERNATIVE	
			1. Contractors are prohibited from using or distributing tobacco materials anywhere on DHHS facility campuses/grounds. This No-Tobacco Policy applies seven (7) days a week, 24 hours a day. Tobacco materials may include, but are not limited to, cigarettes, pipes, pipe tobacco, tobacco substitutes, electronic cigarettes, chewing tobacco, cigars, matches, clove cigarettes, cigarette lighters, and other smoking and tobacco-related paraphernalia.
NOTES/COMMENTS:			

D. DEPARTMENT OF CORRECTIONAL SERVICES (NDCS) SECURITY CONCERNS/SITE RULES, REGULATIONS SECURITY and TOBACCO POLICY

YES	NO	NO & PROVIDE ALTERNATIVE	
			1. Vendor's delivery personnel will abide in general by all using agency and facility delivery location requirements, including driver and/or delivery personnel carrying proper identification upon their person. Delivery personnel shall comply with all NDCS rules and regulations related to delivery security. Contraband shall not be introduced into any state facility; such items include but are not limited to firearms, ammunition, drugs, tobacco, alcohol, etc. Vehicles, drivers and other delivery personnel may be subject to search upon entering and exiting facility grounds.
			2. The Contractor and all Contractors' employees shall abide by security requirements of the Department of Correctional Services necessary for the safety, security, and good order of the facility in the performance of duties. These include, but are not limited to appropriate dress, conduct, and the confidentiality of inmates/personnel encountered during the performance of the Contract.
			3. Contractor shall make his/her employees aware of the provisions § 28-322.01 of the State of Nebraska Revised Statutes that states it shall be a felony for individuals working for or under contract to the Department of Correctional Services to engage in sexual contact or relations with an inmate or parolee within the State correctional system, and that no inmate nor parolee is legally capable of giving consent to any such relationship.
			4. Contractor's personnel shall be subject to departmental security checks prior to their arrival on site, and will carry proper identification with them at all times while on facility grounds.
			5. Contractor shall inform his/her personnel of the Nebraska Department of Correctional Services Tobacco Policy, which states that tobacco and tobacco-related products are contraband and must not be carried into any NDCS-owned or controlled property. Such products must remain in Contractor's locked vehicle while on NDCS-owned or controlled property.

By			6. Contractor's personnel shall be aware that they, their vehicles and items being delivered may be subject to searches upon entering and leaving each facility. Cell phones, pagers and any other item as dictated by the safety, security and good order of the facility will be left with the officer processing the vehicle and will not be allowed into secure institutions. Contractor's personnel should be aware that these checks upon entry and exit can take time, depending upon availability of NDCS staff to provide such checks. The Department of Correctional Services may require the successful completion of a background check on all employees at any facility maintained by the Department of Correctional Services.
NOTES/COMMENTS:			

E. DISPENSING EQUIPMENT: GENERAL

YES	NO	NO & PROVIDE ALTERNATIVE	
By			1. Current models of equipment and products being used can be found on Attachment C, Existing Dispensing Equipment and Current Products.
By			2. When requested by a facility, the contractor shall furnish, install and maintain, at no additional cost to the State, an acceptable electronic type product dispenser.
NOTES/COMMENTS:			

F. DISPENSING EQUIPMENT: DISPENSER DESIGN

YES	NO	NO & PROVIDE ALTERNATIVE	
By			1. The electronic dispenser shall be lockable and designed to automatically control the desired concentration of the solution in commercial machine by feeding the detergent to the wash solution only when necessary.
By			2. The dispenser shall incorporate an "anticipator circuit" which prevents exceeding the recommended amount of detergent in the wash solution, for greatest economy and desired concentration.
By			3. The detergent dispensing unit should dissolve the detergent by means of water fed into the unit, automatically controlled by a solenoid valve.
By			4. The dispenser shall have a range of sensitivity of concentrations allowing settings to be made at any point desired between zero (0) and one half of one percent (0.5%) concentration.
By			5. Dispenser shall have an audible and visible warning device to signal the need for replenishing the detergent supply.
NOTES/COMMENTS:			

G. DISPENSING EQUIPMENT: RINSE INJECTORS

YES	NO	NO & PROVIDE ALTERNATIVE	
<i>By</i>			1. In facilities where rinse additives are used, machines shall be equipped with a rinse injector.
<i>By</i>			2. It will be the responsibility of the Contractor to install rinse injectors.
<i>By</i>			3. The facility must provide suitable water and electrical connections on or adjacent to the machines.
NOTES/COMMENTS:			

H. DISPENSING EQUIPMENT: POT AND PAN WASHING DETERGENT DISPENSERS

YES	NO	NO & PROVIDE ALTERNATIVE	
<i>By</i>			1. When requested by a facility, the contractor shall furnish, install and maintain, at no additional cost to the State, an acceptable dispensing unit.
NOTES/COMMENTS:			

I. DISPENSING/INJECTOR EQUIPMENT: INSTALLATION

YES	NO	NO & PROVIDE ALTERNATIVE	
<i>By</i>			1. No installation shall create a cross connection or back siphonage in approved water supply.
<i>By</i>			2. All dispensers and injectors furnished by the contractor shall be first line models such as are supplied to other accounts serviced by the contractor. Installations shall be made in accordance with generally accepted engineering practices.
<i>By</i>			3. The dispenser and installation shall be designed so the unit may be removed at the termination of the contract period without interruption of service or additional costs.
<i>By</i>			4. At the time of equipment installation, the Contractor shall submit a written report listing the following: <ol style="list-style-type: none"> 1. Date of installation 2. Type of dispensers or injector 3. Location 4. Serial numbers One (1) signed copy shall be given to facility personnel.
NOTES/COMMENTS:			

J. SERVICE AND REPAIR: EMERGENCIES

YES	NO	NO & PROVIDE ALTERNATIVE	
<i>Bzy</i>			5. Contractor response to emergency calls shall be made within twenty-four (24) hours after facility notification.
NOTES/COMMENTS:			

K. SERVICE AND REPAIR: STANDARD

YES	NO	NO & PROVIDE ALTERNATIVE	
<i>Bzy</i>			1. Contractor shall provide service calls on a regular basis as requested by each facility.
<i>Bzy</i>			2. A fully trained technician will service each location on a regular basis as requested by the facility.
NOTES/COMMENTS:			

L. SERVICE AND REPAIR: CONTRACTOR'S RESPONSIBILITIES

YES	NO	NO & PROVIDE ALTERNATIVE	
<i>Bzy</i>			1. Give notice to each facility two (2) business days prior to service. Notice is necessary to assure the presence of the proper facility personnel.
<i>Bzy</i>			2. Inspect and properly maintain all dispensing equipment regardless if it is supplied by the contractor or state-owned.
<i>Bzy</i>			3. Check all machines/dispensers in operation at the facility. Service to include the inspection of mechanical parts, gauges, valves to ensure functioning properly; cleanliness of wash arms and rinse nozzles, and make adjustments as necessary. Thoroughly clean interior of all machines, dispensers and mechanical parts. The machines shall be "de-limed" when necessary. The "de-liming" chemicals will be furnished by the using facility.
<i>Bzy</i>			4. Check solutions on each machine/dispenser for optimum concentration and temperature at every regular service call.
<i>Bzy</i>			5. Render such other service as is normally provided to other customers of the contractor.

<i>Bzy</i>			<p>6. Shall, prior to or upon delivery and/or installation of any Dispensing equipment item(s), provide the receiving facility with the following:</p> <ol style="list-style-type: none"> 1. Copies of operating manuals 2. Copies of complete parts books 3. Copies of maintenance manuals 4. Copies of the contractor's warranty 5. All other manufacturer's documentation necessary for the operation and maintenance of the bid item(s).
<i>Bzy</i>			<p>7. At the time of each servicing, the contractor shall prepare a service ticket, signed by the contractor and the designated facility personnel, prior to departure which includes the following information:</p> <ol style="list-style-type: none"> 1. Name and address of facility. 2. Manufacturer and model of machine(s)/dispenser(s). 3. Location of machine(s)/dispenser(s). 4. Type of machine(s)/dispenser(s). 5. Detergent used. 6. Percent concentration (If improper, state reasons). 7. Wash water temperature. 8. Rinse water temperature. 9. Water hardness.
<i>Bzy</i>			<p>8. If repairs to dispenser(s) or machine(s) are needed, a statement of what repairs are needed and what corrective measures have been recommended and/or taken shall be provided to the designated facility personnel upon request.</p>
NOTES/COMMENTS:			

M. METHOD OF AWARD

YES	NO	NO & PROVIDE ALTERNATIVE	
<i>Bzy</i>			1. Award by dilution rate per ounce.
<i>Bzy</i>			2. Ready to use products with no dilution rate will be Awarded by lowest price per ounce.
<i>Bzy</i>			3. Those items that cannot be reduced to ounces will be Awarded on Price Per Unit.
NOTES/COMMENTS:			

N. BIDDING DIFFERENT PRODUCT METHODS

YES	NO	NO & PROVIDE ALTERNATIVE	
<i>Bzy</i>			1. Bidder may bid on any lines for which they wish to provide product.
<i>Bzy</i>			2. The Bidder does not have to respond to all methods unless they choose.

<i>Bzy</i>			3. In addition to the specified unit size, alternate sizes may be available. Please list the "Other Available Sizes" on Attachment "B" Alternate Products Bid Sheet.
NOTES/COMMENTS:			

O. WAREWASHING COMPOUND, MACHINE

YES	NO	NO & PROVIDE ALTERNATIVE	
<i>Bzy</i>			1. The product shall be a non-abrasive, non-caustic material of a free flowing powder, granular or solid type suitable for use in all mechanical warewashing machines.
<i>Bzy</i>			2. The product shall contain sufficient chelating and/or sequestering agents to effectively soften the water and the silicate value shall be properly balanced to prevent any deleterious action on aluminum.
<i>Bzy</i>			3. Product shall remain stable; shall not deteriorate or lose any detergency effectiveness for at least one (1) year when stored in closed shipping containers.
<i>Bzy</i>			4. Warewashing Compound may be in a capsule or liquid form.
<i>Bzy</i>			5. In addition to the specified unit size, alternate sizes may be available. Please list the "Other Available Sizes" on Attachment "B" Alternate Products Bid Sheet.
NOTES/COMMENTS:			

P. POT AND PAN MACHINE WASHING DETERGENT

YES	NO	NO & PROVIDE ALTERNATIVE	
<i>Bzy</i>			1. The product shall be a granular, powder or encapsulated solid non-abrasive product for cleaning glassware, China, plastic and metal ware in mechanical spray washing machines.
<i>Bzy</i>			2. The product shall contain corrosion inhibitors, defoamers, and shall be safe for washing aluminum ware when used as directed.
<i>Bzy</i>			3. The product shall be of a type designed for automatic detergent dispensing.
<i>Bzy</i>			4. The product shall be suitable for use in soft-medium hard water at normal use concentrations.
<i>Bzy</i>			5. The product shall contain from .6% - 1.3% available chlorine as determined by the Standard Thiosulphate-Iodine Titration.
<i>Bzy</i>			6. Maximum of nine (9) pound packages.
<i>Bzy</i>			7. In addition to the specified unit size, alternate sizes may be available. Please list the "Other Available Sizes" on Attachment "B" Alternate Products Bid Sheet.
NOTES/COMMENTS:			

Q. MAX STRENGTH MANUAL POT WASH DETERGENT

YES	NO	NO & PROVIDE ALTERNATIVE	
<i>Bzy</i>			1. The product shall be heavy duty, alkaline detergent designed for use in high speed industrial pan washers and for similar spray washing applications.
<i>Bzy</i>			2. The product shall be unique in that corrosion inhibitors for complete metal protection and defoaming agents have both been incorporated into a liquid system.
<i>Bzy</i>			3. The product shall be designed to be dispensed directly from the shipping container. The product and dispensing equipment may be located out of the pan washing area, minimizing space requirement.
<i>Bzy</i>			4. The product shall be used effectively in hard water as well as naturally soft or softened water.
<i>Bzy</i>			5. Maximum of five (5) gallon Pails.
<i>Bzy</i>			6. In addition to the specified unit size, alternate sizes may be available. Please list the "Other Available Sizes" on Attachment "B" Alternate Products Bid Sheet.
NOTES/COMMENTS:			

R. MANUAL DISH DETERGENT

YES	NO	NO & PROVIDE ALTERNATIVE	
<i>Bzy</i>			1. The product shall be a liquid, powder or solid enclosed in a capsule, pouch, pod, or container, and shall contain sufficient emulsifiers, synthetic wetting agents for washing anything washable and for use in all types of water.
<i>Bzy</i>			2. All surfactants shall be biodegradable and contain no material that will have any deleterious action on porcelain, plastic, glass, nickel, stainless steel, steel and aluminum.
<i>Bzy</i>			3. Product shall remain stable; shall not agglomerate or sediment, sour, change in appearance, deteriorate or lose any detergency effectiveness for at least one (1) year when stored in closed shipping containers.
<i>Bzy</i>			4. Maximum of five (5) pound Containers (or Equivalent liquid measurement).
<i>Bzy</i>			5. In addition to the specified unit size, alternate sizes may be available. Please list the "Other Available Sizes" on Attachment "B" Alternate Products Bid Sheet.
NOTES/COMMENTS: Alternate unit size offered on Attachment B			

S. RESIDENTIAL DISHWASHER PODS

YES	NO	NO & PROVIDE ALTERNATIVE	
	<i>Bzy</i>		1. Cascade or EQUIVALENT .

	Bzy		2.	Product should pre-treat, fight stains, and rinse away tough food particles.
	Bzy		3.	Each pod must be filled with clear or white detergent and encased in opaque, clear or white material.
	Bzy		4.	Grease fighting.
	Bzy		5.	Product shall remain stable; shall not deteriorate, have any change in appearance, or lose any detergency effectiveness for at least one (1) year when stored in closed shipping containers.
	Bzy		6.	Maximum of thirty-five (35) pods per Package.
	Bzy		7.	In addition to the specified unit size, alternate sizes may be available. Please list the "Other Available Sizes" on Attachment "B" Alternate Products Bid Sheet.

NOTES/COMMENTS: NO BID

T. LOW TEMPERATURE DISH MACHINE WASH

YES	NO	NO & PROVIDE ALTERNATIVE	
Bzy			1. The product shall be a ware washing detergent that has a high alkaline formula to remove soils.
Bzy			2. The product shall be a liquid, powder, or solid enclosed in a pouch or pod.
Bzy			3. Product shall remain stable, show no separation or sediment and shall not sour, change in appearance, gel, deteriorate or lose any detergency effectiveness for at least one (1) year when stored in closed shipping containers.
Bzy			4. Maximum of five (5) GL.
Bzy			5. In addition to the specified unit size, alternate sizes may be available. Please list the "Other Available Sizes" on Attachment "B" Alternate Products Bid Sheet.

NOTES/COMMENTS: Alternate unit size offered on Attachment B

U. RINSE DISH MACHINE ADDITIVE, SOLID

YES	NO	NO & PROVIDE ALTERNATIVE	
Bzy			1. The product shall be formulated to lower the surface tension of the water, causing it to sheet off the dishes preventing spots and film.
Bzy			2. Product shall remain stable, show no separation or sediment and shall not sour, change in appearance, gel, deteriorate or lose any detergency effectiveness for at least one (1) year when stored in closed shipping containers.
Bzy			3. Maximum of two and a half (2.5) pound Container.
Bzy			4. In addition to the specified unit size, alternate sizes may be available. Please list the "Other Available Sizes" on Attachment "B" Alternate Products Bid Sheet.

NOTES/COMMENTS:

V. RINSE AID AND DETERGENT

YES	NO	NO & PROVIDE ALTERNATIVE	
	<i>Bz</i>		1. The product shall contain sufficient emulsifiers, synthetic wetting agents for a commercial rinse aid and detergent to get dishes, glassware, and pots and pans clean.
	<i>Bz</i>		2. The product will not foam in soft water conditions.
	<i>Bz</i>		3. Maximum of two and a half (2.5) pound Container.
	<i>Bz</i>		4. In addition to the specified unit size, alternate sizes may be available. Please list the "Other Available Sizes" on Attachment "B" Alternate Products Bid Sheet.

NOTES/COMMENTS: NO BID

W. SUPER CONCENTRATED RINSE AID FOR RESIDENTIAL DISHWASHER

YES	NO	NO & PROVIDE ALTERNATIVE	
	<i>Bz</i>		1. Lemi Shine or EQUIVALENT .
	<i>Bz</i>		2. Product to be used to leave a spot free shine on glasses and dishware.
	<i>Bz</i>		3. Phosphate free.
	<i>Bz</i>		4. Maximum of Twenty-four (24) ounce Containers (24 oz. containers are preferred but not mandatory).
	<i>Bz</i>		5. In addition to the specified unit size, alternate sizes may be available. Please list the "Other Available Sizes" on Attachment "B" Alternate Products Bid Sheet.

NOTES/COMMENTS: NO BID

X. RINSE ADDITIVE, LIQUID

YES	NO	NO & PROVIDE ALTERNATIVE	
	<i>Bz</i>		1. The product shall reduce spotting and dry time in high-temp machines.
	<i>Bz</i>		2. Product must be low foaming.
	<i>Bz</i>		3. Product shall remain stable, show no separation or sediment and shall not sour, change in appearance, gel, deteriorate or lose any

	Bzy		detergency effectiveness for at least one (1) year when stored in closed shipping containers.
	Bzy		4. One (1) gallon Containers, NO SIZE SUBSTITUTES.
	Bzy		5. Due to different client populations served in multiple types of state facilities, some products are requested as “no substitution” for those locations. Alternate product options may be bid for review and potential award at state facilities whose needs can be served by an Alternate product. If interested in providing an Alternate product option for these line items, use the provided Alternate Product Bid Sheet, Attachment B (blank).
NOTES/COMMENTS: NO BID			

Y. DISHWASHER TEMPERATURE TAPE

YES	NO	NO & PROVIDE ALTERNATIVE	
	Bzy		1. TL3-150 Paper Thermometer brand or EQUIVALENT.
	Bzy		2. Product should be waterproof.
	Bzy		3. Accurate to within one percent (1%) of calibrated temperature.
	Bzy		4. Minimum available temperature readings: 140°, 150°, 160°. 170°. and 180°.
NOTES/COMMENTS: NO BID			

Z. LAUNDRY DESTAINER, LIQUID

YES	NO	NO & PROVIDE ALTERNATIVE	
	Bzy		1. This product shall be a high performance, sodium hypochlorite liquid to whiten clothes and remove stains.
	Bzy		2. Product shall remain stable, show no separation or sediment and shall not sour, change in appearance, gel, deteriorate or lose any detergency effectiveness for at least one (1) year.
	Bzy		3. Fifty-five (55) gallon Drum, NO SIZE SUBSTITUTES.
	Bzy		4. Due to different client populations served in multiple types of state facilities, some products are requested as “no substitution” for those locations. Alternate product options may be bid for review and potential award at state facilities whose needs can be served by an Alternate product.

			If interested in providing an Alternate product option for these line items, use the provided Alternate Product Bid Sheet, Attachment B (blank).
NOTES/COMMENTS: NO BID			

AA. RESIDENTIAL LAUNDRY STAIN REMOVER PODS

YES	NO	NO & PROVIDE ALTERNATIVE	
	Bz		1. Clorox II or EQUIVALENT .
	Bz		2. The product shall be single load laundry detergent pods used to remove tough stains, brighten colors.
	Bz		3. Pods shall be filled with white powder and encased in a quick dissolving plastic wrap.
	Bz		4. Product shall remain stable, show no separation or sediment and shall not sour, change in appearance, gel, deteriorate or lose any detergency effectiveness for at least one (1) year when stored in closed shipping containers.
	Bz		5. Maximum of thirty-two (32) pods per Package.
	Bz		6. In addition to the specified unit size, alternate sizes may be available. Please list the "Other Available Sizes" on Attachment "B" Alternate Products Bid Sheet.
NOTES/COMMENTS: NO BID			

BB. CONCENTRATED LAUNDRY DETERGENT

YES	NO	NO & PROVIDE ALTERNATIVE	
Bz			1. The product shall be a high performance, alkaline, one-shot, emulsion laundry detergent with nonionic surfactants and conditioners.
Bz			2. Detergent must boost performance in a wide range of wash temperatures and in challenging water conditions. Effective on both oily and particulate soils.
Bz			3. Product shall remain stable, show no separation or sediment and shall not sour, change in appearance, gel, deteriorate or lose any detergency effectiveness for at least one (1) year when stored in closed shipping containers.
Bz			4. Maximum of five (5) gallon Pail.
Bz			5. In addition to the specified unit size, alternate sizes may be available. Please list the "Other Available Sizes" on Attachment "B" Alternate Products Bid Sheet.

NOTES/COMMENTS:

CC. RESIDENTIAL LAUNDRY PODS FOR SENSITIVE SKIN / HIGH EFFICIENCY (HE) WASHERS

YES	NO	NO & PROVIDE ALTERNATIVE	
	Bz		1. All Free & All Clear or EQUIVALENT .
	Bz		2. The product shall be single load laundry detergent pods.
	Bz		3. Hypoallergenic, dermatologist recommended. Free of dyes and perfumes.
	Bz		4. A clear liquid detergent encased in a clear pod.
	Bz		5. Dissolves quickly. Soluble in hot or cold water.
	Bz		6. Product shall remain stable, show no separation or sediment and shall not sour, change in appearance, gel, deteriorate or lose any detergency effectiveness for at least one (1) year when stored in closed shipping containers.
	Bz		7. Maximum of seventy-five (75) Pods per Package.
	Bz		8. In addition to the specified unit size, alternate sizes may be available. Please list the "Other Available Sizes" on Attachment "B" Alternate Products Bid Sheet.

NOTES/COMMENTS: NO BID

DD. CONCENTRATED LAUNDRY BLEACH

YES	NO	NO & PROVIDE ALTERNATIVE	
Bz			1. The product shall provide fast bleaching action and remove difficult stains.
Bz			2. Restore natural whiteness to fabrics; eliminate dull and dingy build-up.
Bz			3. Five (5) gallon Pails only, NO SIZE SUBSTITUTES .
Bz			<p>4. Due to different client populations served in multiple types of state facilities, some products are requested as "no substitution" for those locations.</p> <p>Alternate product options may be bid for review and potential award at state facilities whose needs can be served by an Alternate product.</p> <p>If interested in providing an Alternate product option for these line items, use the provided Alternate Product Bid Sheet, Attachment B</p>

NOTES/COMMENTS:

EE. CONCENTRATED LAUNDRY BLEACH,

YES	NO	NO & PROVIDE ALTERNATIVE	
	Bz		1. The product shall provide fast bleaching action and remove difficult stains.
	Bz		2. Restore natural whiteness to fabrics; eliminate dull and dingy build-up.
	Bz		3. One (1) gallon Pails only, NO SIZE SUBSTITUTES.
	Bz		4. Due to different client populations served in multiple types of state facilities, some products are requested as “no substitution” for those locations. Alternate product options may be bid for review and potential award at state facilities whose needs can be served by an Alternate product. If interested in providing an Alternate product option for these line items, use the provided Alternate Product Bid Sheet, Attachment B

NOTES/COMMENTS: NO BID

FF. CONCENTRATED LAUNDRY SOFTENER

YES	NO	NO & PROVIDE ALTERNATIVE	
Bz			1. The product shall be fabric softener and neutralizer.
Bz			2. Adjusts the pH of the fabric to the proper range and leaves it soft and static free.
		Bz	3. Soluble in hot or cold water and contains optical brighteners.
Bz			4. Helps reduce wrinkling.
Bz			5. Product shall remain stable, show no separation or sediment and shall not sour, change in appearance, gel, deteriorate or lose any detergency effectiveness for at least one (1) year when stored in closed shipping containers.
Bz			6. Maximum of five (5) gallon Pails.
Bz			7. In addition to the specified unit size, alternate sizes may be available. Please list the “Other Available Sizes” on Attachment “B” Alternate Products Bid Sheet.

NOTES/COMMENTS: Ecolab product offered does not include optical brighteners

GG. FABRIC SOFTENER, LIQUID

YES	NO	NO & PROVIDE ALTERNATIVE	
	Bzy		1. Liquid Fabric Softener adjusts the fabric's pH to the proper range and leaves it soft and static free.
	Bzy		2. The product shall be a high performance fabric softener and neutralizer.
	Bzy		3. Soluble in hot or cold water and contains optical brighteners. Helps reduce wrinkling.
	Bzy		4. Fifty-five (55) gallon Drum, NO SIZE SUBSTITUTES.
	Bzy		5. Due to different client populations served in multiple types of state facilities, some products are requested as "no substitution" for those locations. Alternate product options may be bid for review and potential award at state facilities whose needs can be served by an Alternate product. If interested in providing an Alternate product option for these line items, use the provided Alternate Product Bid Sheet, Attachment B

NOTES/COMMENTS: NO BID

HH. CONTINENTAL MISTER FRESH ODOR ENCAPSULATOR AND FABRIC REFRESHER

YES	NO	NO & PROVIDE ALTERNATIVE	
		Bzy	1. NO BRAND OR PRODUCT SUBSTITUTES.
Bzy			2. Non-Staining.
Bzy			3. Product will chemically neutralize odors at their source and in the air by encapsulating and destroying odors.
		Bzy	4. Concentrated.
Bzy			5. Non-flammable.
		Bzy	6. One (1) quart per Package, twelve (12) packages per Case, NO SIZE SUBSTITUTES.
Bzy			7. Due to different client populations served in multiple types of state facilities, some products are requested as "no substitution" for those locations. Alternate product options may be bid for review and potential award at state facilities whose needs can be served by an Alternate product.

			If interested in providing an Alternate product option for these line items, use the provided Alternate Product Bid Sheet, Attachment B
NOTES/COMMENTS: Ecolab brand, ready to use in a 6-32oz pack size offered as an alternate on Attachment B			

II. LIME SOLVENT

YES	NO	NO & PROVIDE ALTERNATIVE	
<i>Bzy</i>			1. The product shall contain sufficient acids, surfactants and emulsifiers to be suitable for dissolving lime scale build up, iron stains and other film deposits.
<i>Bzy</i>			2. The product shall be liquid or an encapsulated solid.
<i>Bzy</i>			3. It shall contain no material that will have any deleterious action on porcelain, glass, plastic and metal.
<i>Bzy</i>			4. The product shall be designed for use in all water conditions.
<i>Bzy</i>			5. Product concentrate shall remain stable, show no separation or sediment, sour, change in appearance, gel, and not deteriorate or lose any effectiveness for at least one year when stored in closed shipping containers.
<i>Bzy</i>			6. One (1) gallon Containers preferred, but not mandatory.
<i>Bzy</i>			7. In addition to the specified unit size, alternate sizes may be available. Please list the "Other Available Sizes" on Attachment "B" Alternate Products Bid Sheet.
NOTES/COMMENTS:			

JJ. BETCO GREEN EARTH® PEROXIDE CLEANER

YES	NO	NO & PROVIDE ALTERNATIVE	
		<i>Bzy</i>	1. NO BRAND OR PRODUCT SUBSTITUTES.
		<i>Bzy</i>	2. Concentrated Neutral pH all-purpose cleaner.
<i>Bzy</i>			3. The product shall clean and whiten tile, grout, and hard surfaces, removing dirt, stains, soap scum and mold.
<i>Bzy</i>			4. Will contain number two (2) butoxyethanol (butyl) and no alkyl phenol ethoxylates (APEs).
<i>Bzy</i>			5. Will contain no alkaline builders.
<i>Bzy</i>			6. Will contain non-carcinogenic ingredients.
<i>Bzy</i>			7. Will contain non-combustible products.
<i>Bzy</i>			8. Have low skin, eye, and respiratory irritation potential.

Biz			9. Will not damage clothing.
		Biz	10. Four (4) two (2) liters per Case, NO SIZE SUBSTITUTES.
Biz			11. Due to different client populations served in multiple types of state facilities, some products are requested as "no substitution" for those locations. Alternate product options may be bid for review and potential award at state facilities whose needs can be served by an Alternate product. If interested in providing an Alternate product option for these line items, use the provided Alternate Product Bid Sheet, Attachment B
NOTES/COMMENTS: Ecolab brand, in a 2.5GL size offered as an alternate on Attachment B P 6-7 at use dilution			

KK. CONTINENTAL MULTI-GUARD SURFACE DISINFECTANT

YES	NO	NO & PROVIDE ALTERNATIVE	
	Biz		1. NO BRAND OR PRODUCT SUBSTITUTES.
	Biz		2. Non-Acid cleaner and disinfectant for hard surfaces.
	Biz		3. Kills MRSA, E-Coli, Hepatitis B, Tuberculosis, HIV-1, Canine Parvovirus.
	Biz		4. Dual quaternary ammonium chloraide fungicide, virucide and mildewstat.
	Biz		5. The product shall be EPA registered and bidder to list that number on quotation form.
	Biz		6. One (1) quart per Package, twelve (12) packages per Case, NO SIZE SUBSTITUTES.
	Biz		7. Due to different client populations served in multiple types of state facilities, some products are requested as "no substitution" for those locations. Alternate product options may be bid for review and potential award at state facilities whose needs can be served by an Alternate product. If interested in providing an Alternate product option for these line items, use the provided Alternate Product Bid Sheet, Attachment B
NOTES/COMMENTS: NO BID			

LL. GLASS CLEANER, CONCENTRATED

YES	NO	NO & PROVIDE ALTERNATIVE	
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Bzy			1.	The product to be used on glass to remove smudges, dirt and dust from glass and mirrors and provide clean, streak-free shine after using. Safely cleans tinted windows or glass.
Bzy			2.	Must be Ammonia free.
Bzy			3.	Maximum of two and a half (2.5) gallon Containers (2.5 gallon Containers are preferred, but not mandatory).
Bzy			4.	In addition to the specified unit size, alternate sizes may be available. Please list the "Other Available Sizes" on Attachment "B" Alternate Products Bid Sheet.
NOTES/COMMENTS:				

MM. RENOWN ANTIBACTERIAL FOAMING HAND SOAP

YES	NO	NO & PROVIDE ALTERNATIVE	
		Bzy	1. NO BRAND OR PRODUCT SUBSTITUTES.
Bzy			2. Antibacterial touch free foam hand wash.
Bzy			3. Product usage shall require one (1) push per hand wash.
Bzy			4. Each cartridge lasts up to one thousand (1,000) hand washes.
Bzy			5. Contains Vitamin E and Aloe.
		Bzy	6. 1200 milliliter cartridge, two (2) per case, NO SIZE SUBSTITUTES.
		Bzy	7. Dispenser used is Renown #REN02541.
Bzy			8. Due to different client populations served in multiple types of state facilities, some products are requested as "no substitution" for those locations. Alternate product options may be bid for review and potential award at state facilities whose needs can be served by an Alternate product. If interested in providing an Alternate product option for these line items, use the provided Alternate Product Bid Sheet, Attachment B
NOTES/COMMENTS: Ecolab brand, in a 4 - 1250ml size offered as an alternate on Attachment B Dispensed using Ecolab's Nea Dispensers Touch-Free Nea DispensersBlac - 92021192 Qty - 92021193 Manual Nea DispensersBlac - 92023091 Qty - 92023093			

NN. COMMERCIAL GRADE DEGREASER

YES	NO	NO & PROVIDE ALTERNATIVE	
Bzy			1. Shall be biodegradable, non-abrasive uniform silicate buffered alkaline liquid compound specifically formulated for use in institutional dietary areas to remove oil, baked-on fats, greases and

			carbonized deposits on broilers, grills, deep fat fryers, ovens, vents and range hoods or canopy undersides.
<i>Bzy</i>			2. Product shall be registered as U.S.D.A. acceptable for use in food processing and service areas.
<i>Bzy</i>			3. Product shall be formulated for use in undiluted form.
<i>Bzy</i>			4. Product shall remain stable, show no separation or sediment and shall not sour, change in appearance, gel, deteriorate or lose any detergency effectiveness for at least one (1) year when stored in closed shipping containers.
<i>Bzy</i>			5. Manufactured to be used in automatic hood cleaning systems.
<i>Bzy</i>			6. Four (4) one (1) gallon Containers only, NO SIZE SUBSTITUTES.
<i>Bzy</i>			7. Due to different client populations served in multiple types of state facilities, some products are requested as "no substitution" for those locations. Alternate product options may be bid for review and potential award at state facilities whose needs can be served by an Alternate product. If interested in providing an Alternate product option for these line items, use the provided Alternate Product Bid Sheet, Attachment B
NOTES/COMMENTS:			

OO. ALL PURPOSE CLEANER / DEGREASER (CHROME)

YES	NO	NO & PROVIDE ALTERNATIVE	
<i>Bzy</i>			1. The product shall be a nonabrasive multipurpose cleaner for food service and housekeeping use for general and greasy soils.
<i>Bzy</i>			2. Product suitable for use on chrome, countertops, equipment, fixtures, walls, and floors.
<i>Bzy</i>			3. Maximum of two and a half (2.5) gallon Containers.
<i>Bzy</i>			4. In addition to the specified unit size, alternate sizes may be available. Please list the "Other Available Sizes" on Attachment "B" Alternate Products Bid Sheet.
NOTES/COMMENTS:			

PP. BETCO EXTREME FLOOR STRIPPER

YES	NO	NO & PROVIDE ALTERNATIVE	
		<i>Bzy</i>	1. NO BRAND OR PRODUCT SUBSTITUTES.

Bzy			2.	The product shall be for removing all types of metal-interlocked floor finishes.
		Bzy	3.	Low odor, Rinse-free formula.
		Bzy	4.	pH: 11.8 – 12.8.
Bzy			5.	Five (5) gallon Containers, NO SIZE SUBSTITUTES.
Bzy			6.	Due to different client populations served in multiple types of state facilities, some products are requested as “no substitution” for those locations. Alternate product options may be bid for review and potential award at state facilities whose needs can be served by an Alternate product. If interested in providing an Alternate product option for these line items, use the provided Alternate Product Bid Sheet, Attachment B
NOTES/COMMENTS: Ecolab brand offered on attachment B. PH: 13.35-13.85 While Ecolab Bright Blast Low Odor Floor Stripper will evaporate any residual stripped finish will not. Best practice is to rinse floor with clean mop & water.				

QQ. BETCO EXPRESS FLOOR FINISH

YES	NO	NO & PROVIDE ALTERNATIVE		
		Bzy	1.	NO BRAND OR PRODUCT SUBSTITUTES.
Bzy			2.	The product shall provide a highly durable finish.
		Bzy	3.	Coverage: 25,000 square feet per five (5) gallon container.
		Bzy	4.	Dry time: 10 – 15 minutes per coat.
		Bzy	5.	Low odor.
Bzy			6.	Black heel mark resistant.
Bzy			7.	Five (5) gallon Pails, NO SIZE SUBSTITUTES.
Bzy			8.	Due to different client populations served in multiple types of state facilities, some products are requested as “no substitution” for those locations. Alternate product options may be bid for review and potential award at state facilities whose needs can be served by an Alternate product. If interested in providing an Alternate product option for these line items, use the provided Alternate Product Bid Sheet, Attachment B
NOTES/COMMENTS: Ecolab brand offered on attachment B Ecolab Gemini Pro 25 Coverage: 9000-12000 square feet per 5 gallon container Medium Odor Dry Time: 40-60 minutes per coat (dependant on air condition, ie. humidity)				

RR. COROMATIC HARDWOUND ROLL TOWEL



YES	NO	NO & PROVIDE ALTERNATIVE	
	By		1. NO BRAND OR PRODUCT SUBSTITUTES.
	By		2. White.
	By		3. 8.25" X 700'
	By		4. Non-Slot Rolls.
	By		5. Single-Ply Roll.
	By		6. Six (6) rolls per Case, NO SIZE SUBSTITUTES.
	By		7. Fits Georgia Pacific Dispenser # GP3FB75.
	By		8. Due to different client populations served in multiple types of state facilities, some products are requested as "no substitution" for those locations. Alternate product options may be bid for review and potential award at state facilities whose needs can be served by an Alternate product. If interested in providing an Alternate product option for these line items, use the provided Alternate Product Bid Sheet, Attachment B
NOTES/COMMENTS: NO BID			

SS. RENOWN CONTROLLED HARD ROLL TOWEL


YES	NO	NO & PROVIDE ALTERNATIVE	
	By		1. NO BRAND OR PRODUCT SUBSTITUTES.
	By		2. Natural White.
	By		3. 8" X 800'
	By		4. 100% Recycled.
	By		5. Minimum of 50% post-consumer waste.
	By		6. 1-ply.
	By		7. Six (6) rolls per Case, NO SIZE SUBSTITUTES.
	By		8. Fits Renown Dispenser # REN05163-WB.

			<p>9. Due to different client populations served in multiple types of state facilities, some products are requested as “no substitution” for those locations.</p> <p>Alternate product options may be bid for review and potential award at state facilities whose needs can be served by an Alternate product.</p> <p>If interested in providing an Alternate product option for these line items, use the provided Alternate Product Bid Sheet, Attachment B</p>
<p>NOTES/COMMENTS: NO BID</p>			

TT. ANNUAL USAGE, ESTIMATED

YES	NO	NO & PROVIDE ALTERNATIVE	
			<p>1. Annual usage figures provided are estimates and are not to be construed as either a minimum or maximum purchase quantity. The orders shall be for the actual quantities of each item ordered by or for any agency during the life of the contract. Vendor shall not impose minimum order requirements.</p>
			<p>2. NOTE: Estimated Usage figures are combined between multiple Agencies and may vary based upon the form of the product (i.e. powder, liquid, solid, etc..)</p>
<p>NOTES/COMMENTS:</p>			

UU. USAGE REPORT

YES	NO	NO & PROVIDE ALTERNATIVE	
			<p>3. The vendor shall, upon request by the State of Nebraska, provide an annual usage report of this contract by state agencies. Information will include agency name, item, and dollar amount. Information may be requested at any time by the State Purchasing Bureau, but may typically be requested at the end of the contract period or upon renewal of the contract, or at other intervals (monthly, quarterly, etc.) as determined by the State.</p>
<p>NOTES/COMMENTS:</p>			

VV. DELIVERY ARO

YES	NO	NO & PROVIDE ALTERNATIVE	

		<i>Bzy</i>	1. Delivery desired within four (4) calendar days after receipt of order(s). Deliveries are to be inside and in place to locations specified on each purchase order.
<i>Bzy</i>			2. There will be no minimum order requirements. Deliveries must be clearly marked with the purchase order number. If delays in delivery are anticipated, the Contractor will immediately notify the ordering agency of the expected delivery date. The order may be canceled if the delivery time is unsatisfactory, and the State may procure item(s) from other sources and the Contractor will be held responsible for any/all excess cost.
<i>Bzy</i>			3. At the time of delivery, designated State personnel will sign the "invoice/packing slip." This signature will only indicate that the order has been received and that the items actually delivered agree with the delivery invoice. This signature does not indicate all items were received in good condition and/or that there is not possible hidden damage.
NOTES/COMMENTS: Delivery time frame: 7-10 days after receipt of order(s)			

WW. DELIVER LOCATIONS/INSTRUCTIONS

YES	NO	NO & PROVIDE ALTERNATIVE	BIDDER IS CERTIFYING THAT THEY CAN MEET THE DELIVER LOCATIONS/INSTRUCTIONS
<i>Bzy</i>			1. A list of possible delivery locations is provided on "Attachment D – Delivery Locations" for reference only. Locations are not restricted to the attached lists and are subject to change.
<i>Bzy</i>			2. If Bidder is only bidding certain locations, please choose "NO & PROVIDE ALTERNATIVE" and provide a list of the locations/territories you are bidding in the NOTES/COMMENTS section.
NOTES/COMMENTS:			

XX. PACKAGING

YES	NO	NO & PROVIDE ALTERNATIVE	
<i>Bzy</i>			1. Packages/cartons are to be clearly marked with size, weight, color, quantity, and the purchase order number. Packages/cartons must be of suitable size and of sufficient strength to protect the contents during shipping, handling and storage.
NOTES/COMMENTS:			

YY. ORDERS

YES	NO	NO & PROVIDE ALTERNATIVE	
<i>Bzy</i>			1. Orders will be placed either by, phone, fax, e-mail or Internet (if available and not to the exclusion of the other methods). All orders must reference a purchase order number and the purchase order number must be referenced on the packing slip, and invoice. Invoices are to be sent to the "Invoice to" address on the purchase order.

NOTES/COMMENTS:

ZZ. QUALITY

YES	NO	NO & PROVIDE ALTERNATIVE	
<i>Bzy</i>			1. Product quality must meet specifications and be consistent for the term of the contract. A guarantee of satisfactory performance by the supplier and meeting delivery dates are considered to be an integral part of the purchase contract resulting from this bid invitation. All materials must be of first quality, under standard production by the manufacturer and be of standard design, complete as regularly advertised and marketed and be of proven performance. Products are to be fully guaranteed and may be returned for full credit or replacement (at the State's option) for any reason during the initial warranty period with no additional charges for shipping or restocking.
NOTES/COMMENTS:			

AAA. SAMPLES

YES	NO	NO & PROVIDE ALTERNATIVE	
<i>Bzy</i>			1. Samples of Ware Washing, Laundry and Miscellaneous Chemicals and Supplies , in accordance with the specifications utilizing materials and features as bid, may be required prior to award.
<i>Bzy</i>			2. Samples of Ware Washing, Laundry and Miscellaneous Chemicals and Supplies shall be provided at no cost to the State and will not be returned to the Bidder upon completion of testing conducted by the various agencies.
<i>Bzy</i>			3. Bidder shall have ten (10) business days to provide sample(s) upon the State's written request. Samples of Ware Washing, Laundry and Miscellaneous Chemicals and Supplies are to be of material and construction as bid.
<i>Bzy</i>			4. Failure to supply samples and/or sample(s) that do not meet specifications and/or fail any of the protocols/tests as outlined below, may be grounds to reject the bid.
<i>Bzy</i>			5. Bids may be rejected based on the quality of samples provided.
<i>Bzy</i>			6. Upon a written request from the State of Nebraska Purchasing Bureau, sample(s) shall be shipped to: Attn: Clint Paul 1526 K St. Suite 130 Lincoln, NE 68508 Receiving hours are between 9:00 A.M. and 4:00 P.M., Monday through Friday (excluding State holidays and / or as otherwise directed).
NOTES/COMMENTS:			

BBB. PERFORMANCE TESTING

YES	NO	NO & PROVIDE ALTERNATIVE	
<i>By</i>			1. Vendors may be required to provide samples sufficient for a testing period of twenty-one (21) days at no cost to the State of Nebraska. Samples will need to be provided for two (2) machines to cover twenty-one (21) days per machine. Samples will be required to be delivered within ten (10) days of request.
<i>By</i>			2. Performance testing will be based on, but not limited to, how well the product dissolves, cleanliness and appearance of kitchenware, and streaking of glassware.
<i>By</i>			3. Equivalency of testing will be judged by performance of current products being used.
<i>By</i>			4. Products will be tested by the same staff members during all stages of testing.
<i>By</i>			5. Staff will document product performance for each sample tested. Documentation will include date, time, product being used and product performance based on the testing requirements previously listed.
<i>By</i>			6. Upon a written request from the State of Nebraska Purchasing Bureau, sample(s) shall be shipped to: Attn: Clint Paul 1526 K St., Suite 130 Lincoln, NE 68508 Receiving hours are between 9:00 A.M. and 4:00 P.M., Monday through Friday (excluding State holidays and / or as otherwise directed).
NOTES/COMMENTS:			

ADDENDUM ONE REVISED SCHEDULE OF EVENTS

Date: November 28, 2023

To: All Bidders

From: Clinton Paul, Procurement Contracts Officer (PCO)
State Purchasing Bureau (SPB)

RE: Addendum for Invitation to Bid (ITB) 6840 OF to be opened December 8, 2023, at 2:00 p.m.
Central Time

REVISED SCHEDULE OF EVENTS

The State expects to adhere to the tentative procurement schedule shown below. It should be noted, however, that some dates are subject to change.

T

ACTIVITY	DATE/TIME
1. Release solicitation	11/22/2023
2. Last day to submit written questions https://nebraska.sharefile.com/d-s36353d223e4041edb0a16be0ac373a63	11/26/2023 12/3/2023
3. State responds to written questions through a solicitation "Addendum" and/or "Amendment" to be posted to the Internet at: https://das.nebraska.gov/materiel/bidopps.html	11/30/2023 12/7/2023
4. Electronic Bid Opening via Zoom Meeting https://us02web.zoom.us/j/89336610644?pwd=K2FlcDBxeTk5V3NibGw2M1dxc0Q3Zz09 Upload electronic Bid submissions for 6840 OF via ShareFile to: https://nebraska.sharefile.com/d-s650f75ad5fe44511a0bef20f14d12dae	12/8/2023 12/15/2023 2:00 PM Central Time

This Addendum will become part of the bid and should be acknowledged with the ITB.

ADDENDUM TWO REVISED SCHEDULE OF EVENTS UPDATED LINKS

Date: November 30, 2023

To: All Bidders

From: Clinton Paul, Procurement Contracts Officer (PCO)
State Purchasing Bureau (SPB)

RE: Addendum for Invitation to Bid (ITB) 6840 OF to be opened December 15, 2023, at 2:00 p.m. Central Time

REVISED SCHEDULE OF EVENTS

The State expects to adhere to the tentative procurement schedule shown below. It should be noted, however, that some dates are subject to change.

T

	ACTIVITY	DATE/TIME
1.	Release solicitation	11/22/2023
2.	Last day to submit written questions. https://nebraskastategov.sharefile.com/r-rc91aee690a8349089289a7c5bb3ad9d7 https://nebraska.sharefile.com/d-s36353d223e4041edb0a16be0ac373a63	12/3/2023
3.	State responds to written questions through a solicitation "Addendum" and/or "Amendment" to be posted to the Internet at: https://das.nebraska.gov/materiel/bidopps.html	12/7/2023
4.	Electronic Bid Opening via Zoom Meeting https://us02web.zoom.us/j/89336610644?pwd=K2FleDBxeTk5V3NibGw2M1dxc0Q3Zz09 https://us02web.zoom.us/j/89336610644?pwd=K2FleDBxeTk5V3NibGw2M1dxc0Q3Zz09 Upload electronic Bid submissions for 6840 OF via ShareFile to: https://nebraskastategov.sharefile.com/r-rd4e1f6f74d334ef59daa623bc5bfd6ad https://nebraska.sharefile.com/d-s650f75ad5fe44511a0bef20f14d12dae	12/15/2023 2:00 PM Central Time

This Addendum will become part of the bid and should be acknowledged with the ITB.

**ADDENDUM THREE
QUESTIONS and ANSWERS
6840 OF**

Date: 12/08/23

To: All Bidders

From: Clinton Paul, Procurement Contracts Officer
AS Materiel State Purchasing Bureau (SPB)

RE: Addendum for Invitation to Bid (ITB) Number 6840 OF for Warewashing, Laundry, Miscellaneous
Chemicals and Supplies to be opened on December 15, 2023, at 2:00 p.m. Central Time

Questions and Answers

No questions were received for ITB Number 6840 OF.

This Addendum will become part of the ITB and should be acknowledged with the ITB.

**ATTACHMENT A
6840 OF
BID SHEET**

Line #	Technical Specifications Section	Description	Estimated Usage	Brand Name	Product Name	Product #	Quantity per Case and Unit of Measure			Price Per Case	Price Per Unit	Dilution Rate per Ounce		Price per Diluted Ounce
		EXAMPLE LINE: Laundry Detergent, 1 GL	500	Bouncy	Fluff-N-Stuff	12345-A	4	9	GL	\$79.80	\$ 19.95	0.02500000	oz	\$ 0.0035
1	O	Ware Washing Compound, Machine, Capsules	1350	Ecolab Inc.	SOLID POWER XL	6100185	4	9	LB	\$93.59	\$ 23.40	0.00062500	oz	\$ 0.0001
2	O	Ware Washing Compound, Machine, Liquid		Ecolab Inc.	SUPER TRUMP	6112740	4	1	GL	\$72.27	\$ 18.07	0.00164063	oz	\$ 0.0002
3	P	Pot & Pan Machine Washing Detergent, Encapsulated Granular Solid, Maximum of 9 LB/PK	175	Ecolab Inc.	SOLID METAL PRO	6110751	4	8	LB	\$79.76	\$ 19.94	0.00101563	oz	\$ 0.0002
4	P	Pot & Pan Machine Washing Detergent, Granular Powder, Maximum of 9 LB/PK				NO BID							oz	
5	Q	Max Strength Manual Pot Wash Detergent, Maximum of 5 GL Pails	20	Ecolab Inc.	MONSOON	6113505	1	5	GL	\$122.75	\$ 122.75	0.00078125	oz	\$ 0.0001
6	R	Manual Dish Detergent, Liquid, Maximum of 5 LB	375	Ecolab Inc.	PANTASTIC	6112963	4	1	GL	\$72.79	\$ 18.20	0.00097656	oz	\$ 0.0001
7	R	Manual Dish Detergent, Powder, Maximum of 5 LB				NO BID							oz	
8	R	Manual Dish Detergent, Solid Enclosed in a pouch Maximum of 5 LB		Ecolab Inc.	SOLITAIRE	6117301	4	5	LB	\$114.70	\$ 28.68	0.00029297	oz	\$ 0.0001
9	R	Manual Dish Detergent, Solid Enclosed in a pod Maximum of 5 LB				NO BID							oz	
12	S	Residential Dishwasher Pods, Cascade or EQUIVALENT Maximum of 35 pods per PK	225		NO BID								oz	
13	T	Low Temperature Dish Machine Wash, Liquid Maximum of 5 GL	9	Ecolab Inc.	TRUPOWER DISHMACHINE DETERGENT ALL PURPOSE	6112716	1	5	GL	\$86.34	\$ 86.34	0.00093750	oz	\$ 0.0001
14	T	Low Temperature Dish Machine Wash, Powder Maximum of 5 GL				NO BID							oz	
15	T	Low Temperature Dish Machine Wash, Solid Enclosed in a Pouch Maximum of 5 GL				NO BID							oz	
16	T	Low Temperature Dish Machine Wash, Solid Enclosed in a Pod				NO BID							oz	
17	U	Rinse Dish Machine Additive, Solid Maximum of 2.5 LB Container	25	Ecolab Inc.	SMARTPOWER RINSE ADDITIVE	6101203	2	2.5	LB	\$183.58	\$ 91.79	0.00026417	oz	\$ 0.0006

**ATTACHMENT A
6840 OF
BID SHEET**

Line #	Technical Specifications Section	Description	Estimated Usage	Brand Name	Product Name	Product #	Quantity per Case and Unit of Measure			Price Per Case	Price Per Unit	Dilution Rate per Ounce		Price per Diluted Ounce
18	V	Rinse Aid and Detergent, Maximum of 2.5 LB Container	190	Ecolab Inc.	SOLID BRILLIANCE	6125395	2	2.5	LB	\$175.30	\$ 87.65	0.00026417	oz	\$ 0.0006
19	W	Super Concentrated Rinse Aid for Residential Dishwasher, Lemi Shine or EQUIVALENT Maximum of 24 OZ Containers	500		NO BID								oz	
20	X	Rinse Additive, Liquid, 1 GL Containers, NO SIZE SUBSTITUTES	500		NO BID		6	1	GL				oz	
21	Y	Dishwasher Temperature Tape, TL3-150 Paper Thermometer or EQUIVALENT	500		NO BID							N/A		
22	Z	Laundry Destainer, Liquid 55 GL Drum, NO SIZE SUBSTITUTIONS	6		NO BID			55	GL				oz	
23	AA	Residential Laundry Stain Remover Pods, Clorox II or EQUIVALENT, Maximum of 32 pods per PK	220		NO BID								oz	
24	BB	Concentrated Laundry Detergent, Maximum of 5 GL per Pail	50	Ecolab Inc.	LIQUID LAUNDRY BUILT DETERGENT	6101849	1	5	GL	\$149.00	\$ 149.00	0.00078125	oz	\$ 0.0002
25	CC	Residential Laundry Pods for Sensitive Skin, High Efficiency (HE) Washers, All Free & All Clear or EQUIVALENT, Maximum of 75 pods per PK	235		NO BID								oz	
26	DD	Concentrated Laundry Bleach, 5 GL Pails Only, NO SIZE SUBSTITUTES	75	Ecolab Inc.	LIQUID LAUNDRY CHLORINE BLEACH	6115982	1	5	GL	\$59.48	\$ 59.48	0.00062500	oz	\$ 0.0001
27	EE	Concentrated Laundry Bleach, 1 GL Pails Only, NO SIZE SUBSTITUTIONS	150		NO BID			1	GL				oz	
28	FF	Concentrated Laundry Softener, Maximum of 5 GL Pail	40	Ecolab Inc.	LIQUID LAUNDRY SOFTENER	6114310	1	5	GL	\$90.89	\$ 90.89	0.00031250	oz	\$ 0.0000
29	GG	Fabric Softener, Liquid 55 GL Drum, NO SIZE SUBSTITUTES	4		NO BID			55	GL				oz	
30	HH	Continental Mister Fresh Odor Encapsulator and Fabric Refresher, 1 QT/PK, 12 PK/CS NO BRAND, PRODUCT OR SIZE SUBSTITUTES	36		NO BID		12	1	QT				oz	

**ATTACHMENT A
6840 OF
BID SHEET**

Line #	Technical Specifications Section	Description	Estimated Usage	Brand Name	Product Name	Product #	Quantity per Case and Unit of Measure			Price Per Case	Price Per Unit	Dilution Rate per Ounce		Price per Diluted Ounce
31	II	Lime Solvent, Liquid 1 GL Containers	300	Ecolab Inc.	LIME-A-WAY	6101131	4	1	GL	\$39.13	\$ 9.78	0.00781250	oz	\$ 0.0006
32	II	Lime Solvent, Encapsulated Solid, 1 GL Containers				NO BID							oz	
33	JJ	Betco Green Earth® Peroxide Cleaner, Four (4) two (2) liters per CS NO BRAND, PRODUCT OR SIZE SUBSTITUTES	40		NO BID		4	2	Ltr				oz	
34	KK	Continental Multi-Guard Surface Disinfectant, One (1) QT per PK, twelve (12) PK per CS NO BRAND, PRODUCT OR SIZE SUBSTITUTES	180		NO BID		12	1	QT				oz	
35	LL	Glass Cleaner, Concentrated, Maximum of 2.5 GL Containers	1	Ecolab Inc.	GLASS CLEANER	6100288	1	2.5	GL	\$93.16	\$ 93.16	0.03125000	oz	\$ 0.0091
36	MM	Renown Antibacterial Foaming Hand Soap, 1200 mL Cartridge, two (2) per CS NO BRAND, PRODUCT, OR SIZE SUBSTITUTES	50		NO BID		2	1200	MI				oz	
37	NN	Commercial Grade Degreaser, Four (4) one (1) GL Containers ONLY, NO SIZE SUBSTITUTES	16	Ecolab Inc.	GREASECUTTER PLUS	6119513	4	1	GL	\$45.51	\$ 11.38	1.00000000	oz	\$ 0.0889
38	OO	All Purpose Cleaner / Degreaser (CHROME) Maximum of 2.5 GL Containers	124	Ecolab Inc.	ORANGE FORCE	6114559	1	2.5	GL	\$82.01	\$ 82.01	0.03125000	oz	\$ 0.0080
39	PP	Betco Extreme Floor Stripper, 5 GL Pail, NO BRAND, PRODUCT, OR SIZE SUBSTITUTES	16		NO BID			5	GL				oz	
40	QQ	Betco Express Floor Finish, 5 GL Pail NO BRAND, PRODUCT, OR SIZE SUBSTITUTES	20		NO BID			5	GL				oz	
41	RR	Coromatic Hardwound Roll Towel, White 8.25" x 700' Six (6) rolls per CS NO BRAND, PRODUCT, OR SIZE SUBSTITUTES	40		NO BID		6	8.25" x 700'	RL					N/A
42	SS	Renown Controlled Hard Roll Towel, Natural White 8" x 800' Six (6) rolls per CS NO BRAND, PRODUCT OR SIZE SUBSTITUTES	114		NO BID		6	8" x 800'	RL					N/A

**ATTACHMENT A
6840 OF
BID SHEET**

Line #	Technical Specifications Section	Description	Estimated Usage	Brand Name	Product Name	Product #	Quantity per Case and Unit of Measure	Price Per Case	Price Per Unit	Dilution Rate per Ounce	Price per Diluted Ounce
NON-CORE ITEMS											
43	N/A	VENDOR CAN BLOCK AVAILABILITY OF CERTAIN NON-CORE ITEMS IF REQUESTED BY THE STATE PURCHASING BUREAU (I.E., FURNITURE, OFFICE SUPPLIES):					YES ____ NO <input checked="" type="checkbox"/>				
NON-CORE ITEMS											
44	N/A	OTHER KITCHEN CHEMICALS OTHER LAUNDRY CHEMICALS OTHER HOUSEKEEPING CHEMICALS OTHER MISCELLANEOUS SUPPLIES					% OF DISCOUNT OFF REMAINDER OF CATALOG ____ Varies by Item _____ ____ Varies by Item _____ ____ Varies by Item _____ ____ Varies by Item _____				

~Awards will be made by dilution rate per ounce.

~Ready to use products with no dilution rate will be Awarded by lowest price per ounce.

~Those items that cannot be reduced to ounces will be Awarded on Price Per Unit.

ATTACHMENT B
6840 OF
ALTERNATE PRODUCT BID SHEET
(THIS SHEET MAY BE DUPLICATED TO ACCOMODATE ALL "ALTERNATE PRODUCTS" BEING BID)

Line #	Description	Estimated Usage	Brand Name	Product Name	Product #	Quantity per Case and Unit of Measure			Price Per Case	Price Per Unit	Dilution Rate per Ounce		Price per Diluted Ounce
	EXAMPLE LINE: Laundry Detergent, 1 GL	500	Bouncy	Fluff-N-Stuff	12345-A	4	9	GL	\$79.80	\$ 19.95	0.02500000	oz	\$ 0.0035
1	HH - Continental Mister Fresh Odor Encapsulator and Fabric Rereshner	36	Ecolab Inc.	ZEPHAIR TOUGH ODOR REMOVER	6112043	6	32	OZ	\$50.84	\$ 8.47	1.00000000	oz	\$ 0.2648
2	JJ - Betco Green Earth Peroxide Cleaner	40	Ecolab Inc.	PEROXIDE SURFACE CLEANER	6100302	1	2.5	GL	\$121.28	\$ 121.28	0.00781250	oz	\$ 0.0030
3	MM - Renown Antibacterial Foaming Hand Soap	50	Ecolab Inc.	ADVANCED ANTIBACTERIAL FOAM SOAP	6101088	4	1250	ML	\$50.59	\$ 12.65	1.00000000	oz	\$ 0.2992
4	PP - Betco Extreme Floor Stripper	16	Ecolab Inc.	BIRGHT BLAST LOW ODOR FLOOR STRIPPER	6101154	1	5	GL	\$79.62	\$ 79.62	0.06250000	oz	\$ 0.0078
5	QQ - Betco Express Floor Finish	20	Ecolab Inc.	GEMINI PRO 25	6102139	1	5	GL	\$84.89	\$ 84.89	1.00000000	oz	\$ 0.1326
6	R - Manual Dish Detergent, Liquid, Maximum of 5 LB, Alternate Pack Size		Ecolab Inc.	PANTASTIC	6112971	1	5	GL	\$90.49	\$ 90.49	0.00097656	oz	\$ 0.0001
7	T - Low Temperature Dish Machine Wash, Liquid, Maximum of 5 GL, Alternate Pack Size		Ecolab Inc.	TRUPOWER DISHMACHINE DETERGENT ALL PURPOSE	6113326	1	4	GL	\$84.61	\$ 84.61	0.00093750	oz	\$ 0.0002
8												oz	
9												oz	
10												oz	
11												oz	
12												oz	
13												oz	
14												oz	
15												oz	

~Awards will be made by dilution rate per ounce.

~Ready to use products with no dilution rate will be Awarded by lowest price per ounce.

~Those items that cannot be reduced to ounces will be Awarded on Price Per Unit.



1 Ecolab Place
St. Paul MN 55102 USA

DATE: 12/11/2023
TO: State of Nebraska
Subject: 6840 OF, Ecolab List Price Catalog & Discounts:

Enclosed you will find Ecolab Inc.'s ("Ecolab") 2024 List Price Catalog with discounts offered for Non-Core items bids on the State of Nebraska's ITB 6840 OF Warewashing, Laundry, Miscellaneous Chemicals.

As required by the terms of ITB 6840 OF Warewashing, Laundry, Miscellaneous Chemicals, discount percentages will not decrease during the life of the contract awarded.

Ecolab reserves the right to increase the discount percentage offered (Case Price Reduced). If a price reduction is implemented on a Non-Core item offered, Ecolab will notify the State of Nebraska of the new case price and discount percentage offered.

Ecolab's List Prices provided are valid through 12/31/2024. Ecolab implements annual adjustments to our List Prices. If awarded, prior to January 1st, 2025, and upon an additional term the contract proposes to be extended, an updated Ecolab List Price Catalog will be provided with the new List Prices the stated discount offered is applied to.

Product Number	Product name	Product Description	Unit of Measure	Ecolab List Price Eff. 1/1/2024	Case Price	Discount %
6000251	ECL CREME CLNR 12X32 FLOZ	CLEANER	CAR	\$124.48	\$87.14	-30.00%
6100023	LINOLEUM FLR STRIPPER 2.5GL	FLOOR CARE	CAR	\$120.57	\$84.40	-30.00%
6100024	LO MAINT FINSH-PHAZER 2-2GL	FLOOR CARE	CAR	\$233.27	\$163.29	-30.00%
6100034	HD LOW ODOR FLR STRPRP 5GL	FLOOR CARE	BUC	\$246.11	\$172.28	-30.00%
6100035	HI PERF NEUT FLOOR 2-2L	FLOOR CARE	CAR	\$165.37	\$115.76	-30.00%
6100036	HI PERF NEUT FLOOR 2.5GL	FLOOR CARE	CAR	\$265.61	\$103.42	-61.06%
6100082	HI PERF UC NEUT FLR 2-1.3L	FLOOR CARE	CAR	\$99.85	\$41.51	-58.43%
6100122	FOAM HAND SOAP 2-1600ML	HAND AND SKIN SOAP AND WASH LOTION	CAR	\$119.43	\$83.60	-30.00%
6100127	MAXX MATT DUR FLR -PHZR 2X1	FLOOR CARE	CAR	\$435.05	\$200.74	-53.86%
6100129	ZA CLN WHITE COTTON 6-32OZ	AIR FRESHENER	CAR	\$114.92	\$56.05	-51.23%
6100132	OAS ZA CLN WHT COTTON 2.5GL	AIR FRESHENER	CAR	\$959.20	\$671.44	-30.00%
6100133	OP ZA CLN WHITE COTTON 2-2L	AIR FRESHENER	CAR	\$359.03	\$251.32	-30.00%
6100145	WATER TREATMENT MC 5GL	LAUNDRY SPECIALTY	BUC	\$411.75	\$288.23	-30.00%
6100148	WATER TREATMENT MC 15GL	LAUNDRY SPECIALTY	DR	\$1,222.73	\$855.91	-30.00%
6100155	GREASELIFT 2-2L	KITCHEN DEGREASER	CAR	\$226.11	\$103.16	-54.38%
6100275	NEUTRAL BATHROOM CLNR 2.5GL	BATHROOM	CAR	\$196.24	\$137.37	-30.00%
6100276	NEUTRAL BATHROOM CLNR 2-2L	BATHROOM	CAR	\$169.36	\$118.55	-30.00%
6100280	UC NEUTRAL BATH CLNR 2-1.3L	BATHROOM	CAR	\$144.94	\$75.51	-47.90%
6100283	ANTIMICRO FRUIT&VEG 2.5GL	FOOD TREATMENT	CAR	\$211.62	\$95.16	-55.03%
6100284	GREASELIFT RTU 6-32OZ	KITCHEN DEGREASER	CAR	\$144.61	\$51.57	-64.34%
6100289	GLASS CLEANER 2-2L	GLASS	CAR	\$107.36	\$53.75	-49.93%
6100291	UC GLASS CLEANER 2-1.3L	GLASS	CAR	\$153.89	\$76.75	-50.13%
6100292	ACID BATHROOM CLEANER 2.5GL	BATHROOM	CAR	\$256.76	\$179.73	-30.00%
6100293	ACID BATHROOM CLEANER 2-2L	BATHROOM	CAR	\$184.26	\$128.98	-30.00%
6100295	UC ACID BATH CLNR 2-1.3L	BATHROOM	CAR	\$164.79	\$89.34	-45.79%
6100302	PEROX MULTI-SURF CLNR 2.5GL	ALL-PURPOSE	CAR	\$311.71	\$121.28	-61.09%
6100313	LIQUID HAND SOAP 4-1GAL	HAND AND SKIN SOAP AND WASH LOTION	CAR	\$117.84	\$47.85	-59.39%
6100320	LIQUID P&P DETERGENT 5GL	MANUAL WW DETERGENT	BUC	\$239.36	\$167.55	-30.00%
6100357	SPECIALTY BEV CLENR 1-100PK	KITCHEN SPECIALTY	CAR	\$62.68	\$43.88	-29.99%
6100370	STAINBLASTER MULTI P 4X22OZ	LAUNDRY STAIN REMOVER	CAR	\$145.93	\$66.57	-54.38%
6100371	STAIN BLASTER MULTI-PRP 5QT	LAUNDRY STAIN REMOVER	CAR	\$252.06	\$114.99	-54.38%
6100374	STAIN BLASTR DESTNR 4-22OZ	LAUNDRY STAIN REMOVER	CAR	\$140.46	\$58.26	-58.52%
6100395	STAINBLASTER DESTAINER 5QT	LAUNDRY STAIN REMOVER	CAR	\$212.29	\$100.62	-52.60%
6100398	STAINBLASTER RUST RE 4X22OZ	LAUNDRY STAIN REMOVER	CAR	\$180.74	\$75.24	-58.37%
6100413	MAXX DUR FLOOR FINISH PHZR	FLOOR CARE	CAR	\$385.42	\$211.55	-45.11%
6100414	MAXX DUR FF PART A - PHAZER	FLOOR CARE	CAR	\$103.88	\$72.72	-30.00%
6100428	MAXX DUAL ACT FLR CLN 2.5GL	FLOOR CARE	CAR	\$248.88	\$174.22	-30.00%
6100429	MAXX DUAL BRIGHT SPD 6-64OZ	FLOOR CARE	CAR	\$307.14	\$215.00	-30.00%
6100433	MAXX QC DL ACT FL CL 2-1.3L	FLOOR CARE	CAR	\$86.73	\$29.69	-65.77%
6100460	20 NEUT DISINFECT 2-2LI	ALL-PURPOSE	CAR	\$211.08	\$95.43	-54.79%
6100463	ORANGE FORCE MS DEG 6-32OZ	ALL-PURPOSE	CAR	\$109.82	\$76.87	-30.00%
6100487	CBC PLUS BOWL CLNR 12-32OZ	BATHROOM	CAR	\$137.44	\$44.43	-67.67%
6100523	ECOSPHERE SMOKE RF 24-30GR	AIR FRESHENER	CAR	\$516.23	\$361.36	-30.00%
6100536	OASIS 146 MULTI QUAT2.5GL	KITCHEN DISINFECTANT AND SANITIZER	CAR	\$187.23	\$63.73	-65.96%
6100574	GEL PRO 12-16OZ	BATHROOM	CAR	\$182.58	\$127.81	-30.00%
6100610	QC 54 GLASS & SURF 2X1.3L	ALL-PURPOSE	CAR	\$134.77	\$64.43	-52.19%
6100628	ACCENT+ TTL BOD SHAM4-1GL	HAND AND SKIN SOAP AND WASH LOTION	CAR	\$333.28	\$233.30	-30.00%
6100659	MAXX DUAL ACTION FLOOR 2-2L	FLOOR CARE	CAR	\$198.24	\$138.77	-30.00%
6100700	STABREX ST70 5 GAL	POOL AND SPA CHEMICALS	BUC	\$405.37	\$283.76	-30.00%
6100704	SPECIALTY OVEN CLEANER 2.5GL	KITCHEN DEGREASER	CAR	\$84.19	\$58.93	-30.00%
6100705	SPECIAL OVN RINSE RTU 2.5GL	KITCHEN DEGREASER	CAR	\$59.33	\$41.53	-30.00%
6100706	CLEAN N SMOOTH NX 6X750ML	HAND AND SKIN SOAP AND WASH LOTION	CAR	\$91.31	\$37.73	-58.68%
6100707	CLEAN N SMOOTH NX 4X1250ML	HAND AND SKIN SOAP AND WASH LOTION	CAR	\$101.47	\$71.03	-30.00%
6100708	FOAM HAND SOAP NX 6X750ML	HAND AND SKIN SOAP AND WASH LOTION	CAR	\$171.24	\$50.75	-70.36%
6100709	FOAM HAND SOAP NX 4-1250ML	HAND AND SKIN SOAP AND WASH LOTION	CAR	\$188.48	\$54.91	-70.87%
6100719	GENTLE AB FOAM HAND NX 6X750	HAND AND SKIN SOAP AND WASH LOTION	CAR	\$201.52	\$141.06	-30.00%
6100720	GENTLE AB FOAM HND NX 4X1250	HAND AND SKIN SOAP AND WASH LOTION	CAR	\$207.57	\$145.30	-30.00%
6100722	INST HAND SNITZER NX 6X750	HAND SANITIZER AND DISINFECTANT	CAR	\$115.28	\$49.95	-56.67%
6100723	INST HAND SNITZER NX 4X1200	HAND SANITIZER AND DISINFECTANT	CAR	\$115.28	\$44.72	-61.21%
6100729	FS FOAM HAND NX SNTZR 6X750	HAND SANITIZER AND DISINFECTANT	CAR	\$256.97	\$65.20	-74.63%
6100730	FS FOAM HND NX SNTZR 4X1250	HAND AND SKIN SOAP AND WASH LOTION	CAR	\$285.32	\$62.91	-77.95%
6100731	SANI WASH N WALK 2.5GL	FLOOR CARE	CAR	\$247.52	\$81.21	-67.19%
6100734	SANI WASH N WALK 15GL	FLOOR CARE	DR	\$1,492.61	\$1,044.83	-30.00%
6100740	NX CONC FOAM SOAP 2-2L	HAND AND SKIN SOAP AND WASH LOTION	CAR	\$742.02	\$263.11	-64.54%
6100743	AB MURIATIC ACID 15GL	POOL AND SPA CHEMICALS	DR	\$912.12	\$638.48	-30.00%
6100772	QF MAGNUM 35 MAXX DUAL 55GL	FLOOR CARE	DR	\$5,542.36	\$780.64	-85.92%
6100773	QC 89 INDUSTRIAL DGSR 2-1.3L	ALL-PURPOSE	CAR	\$63.12	\$44.18	-30.01%
6100776	QF 35 MAXX FLOOR CLNR 2.5GL	FLOOR CARE	CAR	\$248.88	\$174.22	-30.00%
6100823	LIME-A-WAY SELECT 4-1GL	DELIMER	CAR	\$161.01	\$52.42	-67.44%
6100832	QF PP 50 GLASS CLEAN 50X2OZ	GLASS	CAR	\$106.78	\$74.75	-30.00%
6100836	QF PP NEUT DISINFECT 50X1OZ	ALL-PURPOSE	CAR	\$85.71	\$60.00	-30.00%
6100838	QF PP 34 NEUTRL FLOR 50X2OZ	FLOOR CARE	CAR	\$83.75	\$58.63	-29.99%
6100839	QF PP 35 MAXX FLOOR 50X2OZ	FLOOR CARE	CAR	\$162.59	\$113.81	-30.00%
6100867	NX CONC AB FOAM 2-2L	HAND AND SKIN SOAP AND WASH LOTION	CAR	\$506.54	\$146.19	-71.14%
6100868	NX CONC SANI 2-2L	HAND SANITIZER AND DISINFECTANT	CAR	\$969.94	\$388.15	-59.98%
6100869	NX CONC FOAM SOAP 2-1.3L	HAND AND SKIN SOAP AND WASH LOTION	CAR	\$482.34	\$134.48	-72.12%
6100871	NX CONC AB FOAM 2-1.3L	HAND AND SKIN SOAP AND WASH LOTION	CAR	\$166.76	\$68.52	-58.91%
6100873	NX CONC SANI 2-1.3L	HAND SANITIZER AND DISINFECTANT	CAR	\$372.61	\$159.88	-57.09%
6100909	STAINBLASTR PP WHT 12-1.2LB	LAUNDRY STAIN REMOVER	CAR	\$162.42	\$72.85	-55.15%
6100910	STAINBLASTR PP CLR 12-1.0LB	LAUNDRY STAIN REMOVER	CAR	\$145.81	\$102.07	-30.00%
6100911	STAINBLASTR PP RUST 12-.5LB	LAUNDRY STAIN REMOVER	CAR	\$141.90	\$65.69	-53.71%

Product Number	Product name	Product Description	Unit of Measure	Ecolab List Price Eff. 1/1/2024	Case Price	Discount %
6100914	ENZYMATIC SPECIAL 5 GAL	LAUNDRY DETERGENT	BUC	\$560.92	\$171.55	-69.42%
6100915	ENZYMATIC SPECIAL 15 GAL	LAUNDRY DETERGENT	DR	\$1,661.28	\$1,162.90	-30.00%
6100916	HOMESTYLE LIQUID LDYR DETER	LAUNDRY DETERGENT	CAR	\$337.39	\$236.17	-30.00%
6100917	ROYAL BRITE PLUS 45 LB	LAUNDRY DETERGENT	CAR	\$350.25	\$130.71	-62.68%
6100925	PEROXIDE MULTI SURF CLN 2X2	ALL-PURPOSE	CAR	\$208.57	\$146.00	-30.00%
6100934	FRONT COURT 5GL	WOOD CARE	BUC	\$713.51	\$255.55	-64.18%
6100940	FRUIT VEGGIE TREAT 35X4OZ	FOOD TREATMENT	CAR	\$88.83	\$62.18	-30.00%
6100975	LT LAUND SOL CHLR SANT 2X4	Laundry Bleach	BUC	\$161.15	\$80.07	-50.31%
6100984	OP 55 ZEPHAIR MNT MIST 2-2L	AIR FRESHENER	CAR	\$525.64	\$367.95	-30.00%
6100985	OASIS 271 ZPHR MT MST 2.5GL	AIR FRESHENER	CAR	\$1,108.76	\$776.13	-30.00%
6100986	AQUAPERL 12.5 LB	POOL AND SPA CHEMICALS	BAG	\$61.41	\$42.99	-30.00%
6100988	OASIS 610 HD SURF SLP 2.5 G	ALL-PURPOSE	CAR	\$714.30	\$500.01	-30.00%
6101023	QC 77 BIO-ENZ ODR ELI 2X1.3	AIR FRESHENER	CAR	\$62.62	\$27.33	-56.36%
6101024	BIO-ENZYMA ODOR ELIM 2.5 GL	AIR FRESHENER	CAR	\$240.02	\$57.83	-75.91%
6101039	73 DISINFECT BTHRM 2X1.3L	BATHROOM	CAR	\$74.67	\$33.28	-55.43%
6101040	73 DISINFECT ACID BTHRM 2X2L	BATHROOM	CAR	\$173.31	\$86.55	-50.06%
6101041	73 DISINFECT BTHRM 2.5 GAL	BATHROOM	CAR	\$301.93	\$124.91	-58.63%
6101068	STAINBLST EZYME BST 4X22 OZ	LAUNDRY STAIN REMOVER	CAR	\$145.93	\$62.81	-56.96%
6101069	STAINBLAST EZYM BST 5 QT	LAUNDRY STAIN REMOVER	CAR	\$252.06	\$114.99	-54.38%
6101070	STNBLAST GRSE RMVR 4X22 OZ.	LAUNDRY STAIN REMOVER	CAR	\$145.93	\$102.15	-30.00%
6101071	STNBLAST GREASE REMOVE 5 QT	LAUNDRY STAIN REMOVER	CAR	\$252.06	\$114.99	-54.38%
6101072	STNBLST MAKEUP RMVE 4X22 OZ	LAUNDRY STAIN REMOVER	CAR	\$159.02	\$111.31	-30.00%
6101073	STAINBLAST MAKEUP RMVE 5 QT	LAUNDRY STAIN REMOVER	CAR	\$274.68	\$109.77	-60.04%
6101083	LIQUID ASSURE 4X1 GAL	MANUAL WW PRE-SOAK	CAR	\$242.85	\$105.84	-56.42%
6101086	ADV AB FOAM HAND 2X1600	HAND AND SKIN SOAP AND WASH LOTION	CAR	\$131.36	\$91.95	-30.00%
6101088	ADV NXA AB FOAM HAND 4X1250	HAND AND SKIN SOAP AND WASH LOTION	CAR	\$207.15	\$50.59	-75.58%
6101089	ADV AB DIGI FOAM HAND 6X750	HAND AND SKIN SOAP AND WASH LOTION	CAR	\$188.28	\$96.90	-48.53%
6101090	ADV NEXA AB FOAM HAND 6X750	HAND AND SKIN SOAP AND WASH LOTION	CAR	\$188.28	\$67.97	-63.90%
6101110	STNBLASTR LDYR STARTER KIT	LAUNDRY STAIN REMOVER	CAR	\$267.53	\$187.27	-30.00%
6101113	FLOOR CLEANER ULTRA 2X1 GAL	FLOOR CARE	CAR	\$92.79	\$64.95	-30.00%
6101120	IST IMP ORCH FD M AR 12X1.8	AIR FRESHENER	CAR	\$317.17	\$222.02	-30.00%
6101121	FRST IMPRES CUCM MEL 12X1.8	AIR FRESHENER	CAR	\$317.17	\$222.02	-30.00%
6101125	REVITALZ MIRCLE SPOT 4X22OZ	CARPET	CAR	\$136.44	\$63.15	-53.72%
6101141	PTHWYS BEV DRAIN 2X64OZ	KITCHEN SPECIALTY	CAR	\$194.99	\$68.10	-65.08%
6101144	REVITAL BIO SPOT/ODR 4X22OZ	CARPET	CAR	\$107.50	\$49.14	-54.29%
6101145	REVITLZ GRS OIL SPT 4X22 OZ	CARPET	CAR	\$103.91	\$72.74	-30.00%
6101151	MARKET STRIP LW ODR 5 GAL	FLOOR CARE	CAR	\$65.94	\$46.16	-30.00%
6101153	BRT BLST LW ODR ST 5 GL BIB	FLOOR CARE	CAR	\$149.69	\$104.78	-30.00%
6101154	BRT BLST LW ODR STRP 5 GAL	FLOOR CARE	BUC	\$185.55	\$79.62	-57.09%
6101157	REVIT CARPET SPOTTING KIT	CARPET	CAR	\$374.79	\$262.35	-30.00%
6101161	REVIT CHEW GUM REMVR 12-5OZ	CARPET	CAR	\$186.28	\$130.40	-30.00%
6101167	OPX WATER TREATMENT 2 15GL	LAUNDRY SPECIALTY	DR	\$360.20	\$252.14	-30.00%
6101171	FIRST IMPR VARIETY 12-1.8OZ	AIR FRESHENER	CAR	\$311.20	\$217.84	-30.00%
6101178	AQN2 LTL LIQ CL SFT PL 15GL	LAUNDRY SOFT	DR	\$852.09	\$596.46	-30.00%
6101179	AQN2 LTL LIQ CL SFT PL 55GL	LAUNDRY SOFT	DR	\$2,967.79	\$2,077.45	-30.00%
6101180	AQN2 LTL LIQ SOUR 15GL	LAUNDRY SOUR	DR	\$700.42	\$490.29	-30.00%
6101182	AQN2 LTL LIQ DESTAINER 15GL	Laundry Bleach	DR	\$680.30	\$476.21	-30.00%
6101183	AQN2 LTL LIQ DESTAINER 55GL	Laundry Bleach	DR	\$2,499.09	\$1,749.36	-30.00%
6101184	AQN2 LTL LIQ BUILDER 15GL	LAUNDRY BREAK	DR	\$947.50	\$663.25	-30.00%
6101185	AQN2 LTL LIQ BUILDER 55GL	LAUNDRY BREAK	DR	\$3,221.50	\$2,255.05	-30.00%
6101186	AQN2 LTL LIQ DETERGENT 15GL	LAUNDRY DETERGENT	DR	\$1,421.86	\$995.30	-30.00%
6101187	AQN2 LTL LIQ DETERGENT 55GL	LAUNDRY DETERGENT	DR	\$5,172.59	\$3,620.81	-30.00%
6101188	AQN2 LTL LIQ IC SOUR 15GL	LAUNDRY SOUR	DR	\$917.04	\$641.93	-30.00%
6101189	AQN2 LTL LIQ IC SOUR 55GL	LAUNDRY SOUR	DR	\$3,045.25	\$2,131.68	-30.00%
6101190	TS LNDY GRSY SOIL RMVR 5GL	LAUNDRY DETERGENT	BUC	\$1,290.54	\$903.38	-30.00%
6101193	MILD FOAM HAND SOAP 4X1250	HAND AND SKIN SOAP AND WASH LOTION	CAR	\$147.59	\$43.46	-70.55%
6101194	NEXA MILD FOAM HAND 6X750	HAND AND SKIN SOAP AND WASH LOTION	CAR	\$147.59	\$45.49	-69.18%
6101199	SMRTPWR RNSE HD 2X2.5	MACHINE WW RINSE ADDITIVE	CAR	\$716.79	\$501.75	-30.00%
6101200	SMARTPWR DISHMACH HD 4X6.75	MACHINE WW DETERGENT	CAR	\$343.89	\$106.60	-69.00%
6101201	SMARTPOWER DM DET 4X6.75 LB	MACHINE WW DETERGENT	CAR	\$230.08	\$101.58	-55.85%
6101202	SMARTPOWER DM DET 6X6.75 LB	MACHINE WW DETERGENT	CAR	\$287.53	\$163.32	-43.20%
6101205	NEUT DISINFECT CLNR 2.5GL	ALL-PURPOSE	CAR	\$317.22	\$111.89	-64.73%
6101298	SB SUNSCREEN REMOVER 45LB	LAUNDRY STAIN REMOVER	CAR	\$588.74	\$412.12	-30.00%
6101308	SMARTPWR DM DET SPEC 4X6.75	MACHINE WW DETERGENT	CAR	\$285.25	\$118.75	-58.37%
6101351	SMTTPWR SANITIZER CNDA 2X2LB	KITCHEN DISINFECTANT AND SANITIZER	CAR	\$124.46	\$87.12	-30.00%
6101352	SMRTPWR PRESOAK POT/PAN 6X5	MANUAL WW SOAK	CAR	\$319.55	\$180.59	-43.49%
6101353	SMRTPWR PRESOAK POT/PAN 3X5	MANUAL WW SOAK	CAR	\$166.21	\$95.01	-42.84%
6101355	SMARTPOWER SANITIZER 2-2LB	KITCHEN DISINFECTANT AND SANITIZER	CAR	\$237.56	\$92.47	-61.08%
6101357	SMTTPWR DM SANIT 4-1000 TAB	MACHINE WW SANITIZER	CAR	\$154.05	\$107.84	-30.00%
6101363	NEXA TOTAL BODY SHAMP 4X1250	HAND AND SKIN SOAP AND WASH LOTION	CAR	\$112.29	\$43.69	-61.09%
6101409	SURE-PAK 2X90 PKTS	FLOOR CARE	CAR	\$140.16	\$98.11	-30.00%
6101419	ADV AB CLEAN SMOOTH 4X1 GAL	HAND AND SKIN SOAP AND WASH LOTION	CAR	\$331.53	\$106.62	-67.84%
6101420	ADV AB CLEAN SMOOTH 4X1250	HAND AND SKIN SOAP AND WASH LOTION	CAR	\$109.39	\$76.57	-30.00%
6101421	ADV AB CLEAN SMOOTH 6X750	HAND AND SKIN SOAP AND WASH LOTION	CAR	\$98.48	\$68.94	-30.00%
6101422	BIO ENZ ODOR ELIMINATOR 2X2	AIR FRESHENER	CAR	\$274.43	\$192.10	-30.00%
6101659	HS SOLID LAUNDRY DETERGENT 4-3LB	LAUNDRY DETERGENT	CAR	\$294.67	\$97.34	-66.97%
6101752	AQUANOMIC BIOC SOLID DRGT	LAUNDRY DETERGENT	CAR	\$654.89	\$226.12	-65.47%
6101753	SOLID COLOR SAFE BLCH 2-3LB	Laundry Bleach	CAR	\$212.21	\$77.13	-63.65%
6101754	AQUANOMIC BIOC SOLID SR-SFT	LAUNDRY SOFT	CAR	\$316.13	\$109.48	-65.37%
6101756	AQN2 SOL CLY SFT PLS 2-6LB	LAUNDRY SOFT	CAR	\$186.11	\$97.12	-47.82%
6101757	AQN2 SOL IC SOUR 3RD 2-6LB	LAUNDRY SOUR	CAR	\$325.70	\$227.99	-30.00%

Product Number	Product name	Product Description	Unit of Measure	Ecolab List Price Eff. 1/1/2024	Case Price	Discount %
6101758	AQN2 SOL IC SOUR 4TH 2-6LB	LAUNDRY SOUR	CAR	\$319.57	\$273.28	-14.49%
6101759	AQN2 LO TMP SOLID BRK 2-6LB	LAUNDRY BREAK	CAR	\$166.85	\$116.80	-30.00%
6101766	AQN2 SOLID DETERGENT 4-9LB	LAUNDRY DETERGENT	CAR	\$399.03	\$203.51	-49.00%
6101787	MARKET STRIP MAXX 2.5GL	FLOOR CARE	CAR	\$165.31	\$115.72	-30.00%
6101797	SCRUB FREE BATHROOM - 2.5GL	BATHROOM	CAR	\$969.08	\$365.27	-62.31%
6101798	SCRUB FREE BATHROOM 2-2L	BATHROOM	CAR	\$455.14	\$318.60	-30.00%
6101799	SCRUB FREE BATHROOM 2-1.3L	BATHROOM	CAR	\$225.16	\$74.58	-66.88%
6101800	PATHWAYS BEV DRN CTRL KIT	KITCHEN SPECIALTY	CAR	\$20.22	\$14.15	-30.02%
6101805	TRIPLET PLUS (CNDA) 50-28GR	KITCHEN DISINFECTANT AND SANITIZER	CAR	\$40.23	\$28.16	-30.00%
6101807	ZEPHAIR CITRUS CU RTU - 6X32OZ	AIR FRESHENER	CAR	\$104.10	\$72.87	-30.00%
6101808	ZEPHAIR CITRUS CUCUMBER 2-2L	AIR FRESHENER	CAR	\$442.28	\$309.60	-30.00%
6101809	ZEPHAIR CITRUS CUCUMBER 1-2.5GL	AIR FRESHENER	CAR	\$1,050.76	\$735.53	-30.00%
6101829	MARKET SUPERIOR - 5 GAL	FLOOR CARE	CAR	\$328.16	\$229.71	-30.00%
6101844	ES LAUNDRY DET PLUS - 15GL	LAUNDRY DETERGENT	DR	\$1,033.18	\$374.09	-63.79%
6101846	ES LNDRY DET ULTRA - 15GL	LAUNDRY DETERGENT	DR	\$1,178.59	\$825.01	-30.00%
6101847	ES LNDRY DET ULTRA - 55GL	LAUNDRY DETERGENT	DR	\$2,976.66	\$2,083.66	-30.00%
6101848	TS LNDRY DET PLUS 1-2.5GL	LAUNDRY DETERGENT	CAR	\$200.00	\$99.36	-50.32%
6101850	TRI-STAR LNDRY ULTRA - 5GL	LAUNDRY DETERGENT	BUC	\$417.82	\$292.47	-30.00%
6101859	AIM URINAL SCREEN MANG 10CT	BATHROOM	CAR	\$86.72	\$60.70	-30.00%
6101875	CONC MILD FOAM HAND 2-1.3L	HAND AND SKIN SOAP AND WASH LOTION	CAR	\$297.06	\$134.48	-54.73%
6101882	CONCRETE DENSIFIER 5GL	STONE CARE	BUC	\$604.20	\$422.94	-30.00%
6101890	SMRTPWR PRESOAK FLTWR 3X4LB	MANUAL WW PRE-SOAK	CAR	\$299.08	\$95.01	-68.23%
6101907	SMRTPWR MANUAL DET 3X2LB	MANUAL WW DETERGENT	CAR	\$217.72	\$77.60	-64.36%
6101919	BIOENZYMATIC RTU 6-32OZ	AIR FRESHENER	CAR	\$126.66	\$88.66	-30.00%
6101922	AIR CARE DISPEN KIT 6-100ML	AIR FRESHENER	CAR	\$422.94	\$296.06	-30.00%
6101929	XPRS NOBOIL FRY CLNR 4X24OZ	KITCHEN DEGREASER	CAR	\$136.28	\$65.88	-51.66%
6101941	NO-LOW MAINT FLOORING 2.5GL	FLOOR CARE	CAR	\$286.85	\$200.80	-30.00%
6101943	NO-LOW MAINT FLOORING 2-2L	FLOOR CARE	CAR	\$175.27	\$122.69	-30.00%
6101945	QC 36 UC NO LO FL CLN 2-1.3L	FLOOR CARE	CAR	\$109.49	\$76.64	-30.00%
6101946	NO-LOW MAINT FLOOR 6-64OZ	FLOOR CARE	CAR	\$284.11	\$198.88	-30.00%
6101955	HS LND DET PK - 2-60-0.7 OZ	LAUNDRY DETERGENT	CAR	\$133.02	\$46.55	-65.01%
6101956	HS LND DET PK - 450-0.7 OZ	LAUNDRY DETERGENT	BUC	\$487.74	\$341.42	-30.00%
6101957	HS LND DET PK - 900-0.7 OZ	LAUNDRY DETERGENT	CAR	\$872.32	\$610.62	-30.00%
6101958	HS CHL BLE PK - 1-60-0.7 OZ	OXIDIZER	CAR	\$38.34	\$26.84	-29.99%
6101959	HS CS BLE PK - 1-60-0.7 OZ	Laundry Bleach	CAR	\$45.86	\$32.10	-30.00%
6101973	OASIS CLEAN ESCAPE 2.5G	AIR FRESHENER	CAR	\$311.87	\$218.31	-30.00%
6101974	OP CLEAN ESCAPE 2X2L	AIR FRESHENER	CAR	\$260.47	\$182.33	-30.00%
6101975	OASIS LAUNDRY FRESH 2.5G	AIR FRESHENER	CAR	\$311.87	\$218.31	-30.00%
6101976	OP LAUNDRY FRESH 2X2L	AIR FRESHENER	CAR	\$260.47	\$182.33	-30.00%
6101977	OASIS MORNING BREEZE 2.5G	AIR FRESHENER	CAR	\$311.87	\$129.83	-58.37%
6101978	OP MORNING BREEZE 2X2L	AIR FRESHENER	CAR	\$260.47	\$182.33	-30.00%
6101979	OASIS GARDEN SUNSHINE 2.5G	AIR FRESHENER	CAR	\$311.87	\$129.83	-58.37%
6101980	OP GARDEN SUNSHINE 2X2L	AIR FRESHENER	CAR	\$260.47	\$182.33	-30.00%
6101981	OASIS ISLAND WAVE 2.5G	AIR FRESHENER	CAR	\$311.87	\$218.31	-30.00%
6101982	OP ISLAND WAVE 2X2L	AIR FRESHENER	CAR	\$260.47	\$182.33	-30.00%
6101983	GARDEN SUNSHINE RR 6X32OZ	AIR FRESHENER	CAR	\$91.78	\$64.25	-30.00%
6101984	QC LAUNDRY FRESH 2X1.3L	AIR FRESHENER	CAR	\$150.80	\$65.34	-56.67%
6101989	LS AIR FRSHNR CUC MLN 4X100	AIR FRESHENER	CAR	\$370.85	\$259.60	-30.00%
6101990	LS FRSHNR OCN SPRY 4X100 ML	AIR FRESHENER	CAR	\$370.85	\$259.60	-30.00%
6101992	LRG SPC AF ST KT 1 KIT	AIR FRESHENER	CAR	\$474.65	\$332.26	-30.00%
6101993	LS FRSHNR SEASLT BMBO 4X100	AIR FRESHENER	CAR	\$370.85	\$259.60	-30.00%
6102018	HS SLD LNDR DT CS BLC 4-3LB	LAUNDRY DETERGENT	CAR	\$334.38	\$234.07	-30.00%
6102024	CRPT CLNR-SPT RMVR 2X1GL	CARPET	CAR	\$195.94	\$137.16	-30.00%
6102046	SP S&S CLNR SANT 1-2.5 GAL	KITCHEN DISINFECTANT AND SANITIZER	CAR	\$282.83	\$139.55	-50.66%
6102047	SP S&S CLNR SANT 4-1 GAL	KITCHEN DISINFECTANT AND SANITIZER	CAR	\$485.45	\$240.33	-50.49%
6102048	SP S&S CLNR SANT 2-2 L	KITCHEN DISINFECTANT AND SANITIZER	CAR	\$267.60	\$126.33	-52.79%
6102062	PRTCT FM HND SANIT 6-750ML	HAND SANITIZER AND DISINFECTANT	CAR	\$145.18	\$74.40	-48.75%
6102063	PRTCT FM HND SANIT 4-1200ML	HAND SANITIZER AND DISINFECTANT	CAR	\$145.70	\$74.40	-48.94%
6102078	CONC FOAM BODY WASH 2-1.3L	HAND AND SKIN SOAP AND WASH LOTION	CAR	\$169.61	\$118.73	-30.00%
6102093	SOAK & SCRUB PP DET 2-2 GAL	MANUAL WW DETERGENT	CAR	\$1,933.43	\$1,353.40	-30.00%
6102106	NO-RINSE ALK FLR CLNR 2.5GL	FLOOR CARE	CAR	\$200.76	\$75.54	-62.37%
6102139	GEMINI PRO 25_5 GAL	FLOOR CARE	BUC	\$117.96	\$84.89	-28.03%
6102141	RIVET 5 GAL	FLOOR CARE	BUC	\$129.02	\$90.31	-30.00%
6102142	LASER 5 GAL	FLOOR CARE	BUC	\$131.57	\$71.68	-45.52%
6102143	POLARIS 5 GA	FLOOR CARE	BUC	\$137.77	\$96.44	-30.00%
6102144	MATTE FLOOR FINISH 5 GAL	FLOOR CARE	BUC	\$176.46	\$123.52	-30.00%
6102145	TAJ MAHAL 5 GAL	FLOOR CARE	BUC	\$145.15	\$101.61	-30.00%
6102151	LIQUID LAUNDRY BUILDER - 5 GAL	LIQUID LAUNDRY BREAK	BUC	\$440.37	\$308.26	-30.00%
6102152	LIQUID LAUNDRY BUILDER - 15 GAL	LIQUID LAUNDRY BREAK	DR	\$1,294.27	\$905.99	-30.00%
6102161	LIQUID LAUNDRY NEUTRAL DETERGENT_5 GAL	LIQUID LAUNDRY DETERGENT	BUC	\$485.03	\$339.52	-30.00%
6102162	LIQUID LAUNDRY NEUTRAL DETERGENT_15 GAL	LIQUID LAUNDRY DETERGENT	DR	\$1,365.48	\$955.84	-30.00%
6102172	LIQ LDYR PREM SOFT 5 GAL	LIQUID LAUNDRY SOFT	BUC	\$338.93	\$138.99	-58.99%
6102173	LIQ LDYR PREM SFT 15 GAL	LIQUID LAUNDRY SOFT	DR	\$884.25	\$618.98	-30.00%
6102174	LIQUID LANDRY SOUR W-IRON CONTROL_5 GAL	LIQUID LAUNDRY SOUR	BUC	\$400.84	\$280.59	-30.00%
6102175	LIQUID LAUNDRY SOUR W-IRON CNTRL_15 GAL	LIQUID LAUNDRY SOUR	DR	\$882.08	\$617.46	-30.00%
6102228	SURF CLNR SANI RTU 6-32 OZ	KITCHEN DISINFECTANT AND SANITIZER	CAR	\$59.01	\$27.04	-54.18%
6102257	RAPID MS DISINFECTANT CLEANER 1-2.5 GAL	ALL PURPOSE DISINFECTANT DISPENSED	CAR	\$183.03	\$82.57	-54.89%
6102258	RAPID MS DISINF CLEANER (QC 42) 2-1.3 L	ALL PURPOSE DISINFECTANT DISPENSED	CAR	\$61.86	\$32.87	-46.86%
6102259	RAPID MS DISINFECTANT CLEANER_2-2 L	ALL PURPOSE DISINFECTANT DISPENSED	CAR	\$151.47	\$77.24	-49.01%
6102267	RAPID MS DISINFECTANT CLEANER RTU_6-32OZ	ALL PURPOSE DISINFECTANT RTU	CAR	\$100.30	\$53.10	-47.06%
6102273	GEL HAND SANITIZER_4-1 GAL	HAND SANITIZER AND DISINFECTANT	CAR	\$273.23	\$102.96	-62.32%

Product Number	Product name	Product Description	Unit of Measure	Ecolab List Price Eff. 1/1/2024	Case Price	Discount %
6102274	DRY WIPES ROLL 12-56 COUNT	SURFACE DISINFECTANT	CAR	\$105.58	\$73.91	-30.00%
6102287	DAILY DISINFECTANT CLEANER - 2.5 GAL	ALL PURPOSE DISINFECTANT DISPENSED	CAR	\$377.15	\$220.12	-41.64%
6102289	DAILY DISINFECTANT CLEANER - 2-2 L	ALL PURPOSE DISINFECTANT DISPENSED	CAR	\$227.39	\$131.33	-42.24%
6102290	DAILY DISINFECTANT CLEANER - 2-1.3 L	ALL PURPOSE DISINFECTANT DISPENSED	CAR	\$79.70	\$46.52	-41.63%
6102291	DAILY DISINFECTANT CLEANER 4-1 GAL	ALL PURPOSE DISINFECTANT DISPENSED	CAR	\$563.31	\$316.59	-43.80%
6102306	LIQUID LAUNDRY DETERGENT BOOSTER 2.5 GAL	LAUNDRY SPECIALTY	CAR	\$806.03	\$564.22	-30.00%
6102307	LIQ LDYR PREM SOFT 1-2.5 GAL	LIQUID LAUNDRY SOFT	CAR	\$230.30	\$161.21	-30.00%
6102427	TP DM DET HD 5 GAL	DISHMACHINE DETERGENT LIQUID	BUC	\$396.06	\$277.24	-30.00%
6102428	TP DISHM DET HD 4-1 GAL	DISHMACHINE DETERGENT LIQUID	CAR	\$327.87	\$229.51	-30.00%
6102448	TP DM RINSE ADD HD 4-1 GAL	MACHINE WW RINSE ADDITIVE	CAR	\$570.61	\$227.94	-60.05%
6102449	TP DM RINSE ADD HD 5 GAL	MACHINE WW RINSE ADDITIVE	BUC	\$546.66	\$382.66	-30.00%
6102470	DIP IT XP 6-2.33 LBS	MANUAL WW PRE-SOAK	CAR	\$173.35	\$121.35	-30.00%
6102525	ECO AIR CUCUMBER MELON 6 COUNT	AIR FRESHENER	CAR	\$1,703.99	\$1,192.79	-30.00%
6105330	QF MAG 34 NET FLR 55 GAL	FLOOR CARE	DR	\$3,401.65	\$2,381.16	-30.00%
6107334	CLEAN TOUCH PRO 400 4-1GL	HAND AND SKIN SOAP AND WASH LOTION	CAR	\$301.84	\$211.29	-30.00%
6107580	QF MAGNUM 89 DEGREASER 55GL	FLOOR CARE	DR	\$1,816.43	\$861.04	-52.60%
6110022	BRT BLAST FLR STRIP US 5GL	FLOOR CARE	BUC	\$205.43	\$143.80	-30.00%
6110112	TITAN 2-2GL	KITCHEN DEGREASER	CAR	\$35.94	\$25.16	-29.99%
6110123	GREASE EXPRESS FF 4-1GL	KITCHEN DEGREASER	CAR	\$231.85	\$162.30	-30.00%
6110126	GREASE EXPRESS FF 6-32OZ	KITCHEN DEGREASER	CAR	\$145.24	\$65.16	-55.14%
6110127	GREASE EXPRESS HTGC 6-32OZ	KITCHEN DEGREASER	CAR	\$175.87	\$65.16	-62.95%
6110154	OAS PRO 66 HD ALK BA56L	BATHROOM	DR	\$2,012.15	\$1,408.51	-30.00%
6110158	OASIS PRO 66 HD BTH 2-2L	BATHROOM	CAR	\$227.56	\$72.86	-67.98%
6110216	ECOTEMP PHASE I DET 4-1GL	MACHINE WW DETERGENT	CAR	\$255.20	\$178.64	-30.00%
6110217	ET PH I RINSE 4X1 GAL	MACHINE WW RINSE ADDITIVE	CAR	\$469.97	\$328.98	-30.00%
6110218	PHASE 1 SANITIZER ET 4-1GL	MACHINE WW SANITIZER	CAR	\$138.21	\$96.75	-30.00%
6110251	GREASE EXPRESS HTGR 60-3.6OZ	KITCHEN DEGREASER	CAR	\$178.27	\$82.04	-53.98%
6110256	SOLID SUPER IMPACT 4-9LB	MACHINE WW DETERGENT	CAR	\$429.59	\$97.42	-77.32%
6110261	TRISTAR CHLORLITE 2.5GL	Laundry Bleach	CAR	\$113.44	\$53.98	-52.42%
6110307	GREASE EXPRESS FC 26-8OZ	KITCHEN DEGREASER	CAR	\$124.76	\$52.16	-58.19%
6110309	X-STATIC MTN FRESH 6-150G	LAUNDRY SPECIALTY	CAR	\$302.99	\$212.09	-30.00%
6110311	X-STATIC MTN FRESH 12-150G	LAUNDRY SPECIALTY	CAR	\$605.96	\$204.78	-66.21%
6110312	X-STATIC NEUT SCENT 6-150G	LAUNDRY SPECIALTY	CAR	\$302.99	\$212.09	-30.00%
6110313	X-STATIC NEUT SCENT 12-150G	LAUNDRY SPECIALTY	CAR	\$605.96	\$424.17	-30.00%
6110316	XSTATIC WOODY FLORAL6-150G	LAUNDRY SPECIALTY	CAR	\$302.99	\$212.09	-30.00%
6110317	XSTATIC WOODY FLORAL12-150G	LAUNDRY SPECIALTY	CAR	\$605.96	\$251.56	-58.49%
6110378	GREASE EXPRESS HTGR STRKT	KITCHEN DEGREASER	CAR	\$89.40	\$62.58	-30.00%
6110387	PAN DANDY 15GL	MANUAL WW DETERGENT	DR	\$565.88	\$396.12	-30.00%
6110391	LAUNDRI PERMA-BRITE 45LB	Laundry Bleach	CAR	\$171.74	\$59.59	-65.30%
6110400	WATER CONDITIONER 5GL	LAUNDRY SPECIALTY	DR	\$176.59	\$123.61	-30.00%
6110884	SOLITAIRE 2-5LB	MANUAL WW DETERGENT	CAR	\$324.74	\$129.63	-60.08%
6110906	SCOUT 2-2 GAL	MANUAL WW DETERGENT	CAR	\$276.30	\$96.90	-64.93%
6111262	PAN DANDY 4-1GL	MANUAL WW DETERGENT	CAR	\$339.70	\$237.79	-30.00%
6111288	PAN DANDY 5GL	MANUAL WW DETERGENT	BUC	\$397.19	\$278.03	-30.00%
6111490	LEMON LIFT 12-20 OZ	BATHROOM	CAR	\$153.94	\$57.19	-62.85%
6112043	ZEPHAIR MNTAIN MIST 6-32OZ	AIR FRESHENER	CAR	\$114.92	\$50.84	-55.76%
6112083	TRI-STAR NEUTRAL NP 5GL	LAUNDRY SOUR	BUC	\$332.61	\$94.07	-71.72%
6112123	SEAL-O-SOLV CLN 5GL	WOOD CARE	BUC	\$216.01	\$120.71	-44.12%
6112260	GENIE SOILMASTER RFL150-70OZ	MANUAL WW PRE-SOAK	CAR	\$612.02	\$39.31	-93.58%
6112294	GENIE PAC PANTASTIC - 2-90-0.7 OZ	MANUAL WW DETERGENT	CAR	\$229.88	\$160.92	-30.00%
6112364	ECOSPHERE SUM LIN SK24-30GR	AIR FRESHENER	CAR	\$546.16	\$382.31	-30.00%
6112365	ECOSPHERE SUM LIN RF24-30GR	AIR FRESHENER	CAR	\$516.23	\$361.36	-30.00%
6112366	ECOSPHERE SMOKE G SK24-30GR	AIR FRESHENER	CAR	\$546.16	\$382.31	-30.00%
6112922	SOLID SILVER POWER 2-8LB	MANUAL WW PRE-SOAK	CAR	\$366.27	\$75.05	-79.51%
6112971	PANTASTIC 5GL	MANUAL WW DETERGENT	BUC	\$317.00	\$90.49	-71.45%
6113003	PANTASTIC 9-32OZ	MANUAL WW DETERGENT	CAR	\$194.92	\$136.44	-30.00%
6113094	LEMON-EZE 12-32OZ	BATHROOM	CAR	\$201.18	\$55.96	-72.18%
6113326	ET ULTRA KLENE 4-1GL	MACHINE WW DETERGENT	CAR	\$252.71	\$84.61	-66.52%
6113722	ET ULTRA DRY 4X1 GAL	MACHINE WW RINSE ADDITIVE	CAR	\$402.90	\$129.27	-67.92%
6113920	ET PH I RINSE ADD 5 GAL	MACHINE WW RINSE ADDITIVE	BUC	\$587.46	\$411.22	-30.00%
6113953	ET PHASE I DETERG 5GL	MACHINE WW DETERGENT	BUC	\$665.18	\$465.63	-30.00%
6113961	ULTRA SAN (ECOTEMP) 5GL	MACHINE WW SANITIZER	BUC	\$227.22	\$58.68	-74.17%
6113979	ECO SAN 4-1GL	MACHINE WW SANITIZER	CAR	\$139.55	\$28.97	-79.24%
6114050	BAR DANDY 4-1GL	MANUAL WW BAR	CAR	\$297.78	\$208.45	-30.00%
6114070	PHASE 1 SANITIZER ET 5GL	MACHINE WW SANITIZER	BUC	\$222.78	\$155.95	-30.00%
6114126	KLENZ-GLIDE 10 5GL	KITCHEN SPECIALTY	BUC	\$379.21	\$86.67	-77.14%
6114253	SYNTHA-SEAL 5GL	WOOD CARE	BUC	\$217.11	\$105.01	-51.63%
6114299	ADVACARE 120(TRISTAR4GL	LAUNDRY SOUR	BUC	\$373.68	\$261.58	-30.00%
6114320	TRI STAR SO FRESH 15GL	LAUNDRY SOFT	DR	\$647.74	\$209.12	-67.72%
6114411	POLYCRISP 5GL	LAUNDRY SPECIALTY	BUC	\$428.67	\$300.07	-30.00%
6114415	DECARBONIZER MXP 2-8 LB	MANUAL WW SOAK	CAR	\$272.44	\$165.64	-39.20%
6114522	OAS 100 NEUT FLR CLN2.5GL	FLOOR CARE	CAR	\$235.10	\$101.95	-56.64%
6114544	POWER FORCE PREM CLN6-32OZ	ALL-PURPOSE	CAR	\$119.68	\$83.78	-30.00%
6114558	OASIS 135 PF PRE CL 2.5GL	ALL-PURPOSE	CAR	\$330.91	\$154.42	-53.33%
6114696	OASIS ENFORCE 2.5GL	FLOOR CARE	CAR	\$151.98	\$106.39	-30.00%
6114889	ECOSTAR NEUTRALIZER NP 15GL	LAUNDRY SOUR	DR	\$986.66	\$690.66	-30.00%
6114893	TRI-STAR NEUTRAL NP 2.5GL	LAUNDRY SOUR	CAR	\$171.22	\$70.11	-59.05%
6114914	66 HD ALK BTH CLNR 2.5GL	BATHROOM	CAR	\$304.85	\$130.97	-57.04%
6115172	ET ULTRA DRY 4.5 GALLON	MACHINE WW RINSE ADDITIVE	BUC	\$423.83	\$102.65	-75.78%
6115210	CLINGING LIME-AWAY 6-32OZ	DELIMER	CAR	\$171.81	\$95.49	-44.42%
6115461	KOOL KLENE 4-1GL	KITCHEN SPECIALTY	CAR	\$274.43	\$98.74	-64.02%

Product Number	Product name	Product Description	Unit of Measure	Ecolab List Price Eff. 1/1/2024	Case Price	Discount %
6115651	ENCOMPASS 4-1GL	ALL-PURPOSE	CAR	\$167.48	\$49.92	-70.19%
6115875	CLEAN N SMOOTH 4-1GL	HAND AND SKIN SOAP AND WASH LOTION	CAR	\$301.64	\$211.15	-30.00%
6115905	SOLID LIME-A-WAY 6-1.33LB	DELIMER	CAR	\$219.85	\$96.97	-55.89%
6116001	SOLID NAVISOFT 2-6LB	LAUNDRY SOFT	CAR	\$479.93	\$139.83	-70.86%
6116006	OXY BRITE 15GL	Laundry Bleach	DR	\$872.62	\$250.54	-71.29%
6116104	ADVACARE 120(ECO) 12GL	LAUNDRY SOUR	DR	\$1,129.21	\$790.45	-30.00%
6116146	ECO-STAR DESTAINER 15GL	Laundry Bleach	DR	\$680.30	\$113.45	-83.32%
6116527	TRI-STAR OXY BRITE 5GL	Laundry Bleach	BUC	\$349.04	\$121.99	-65.05%
6117035	HUNTOLENE 5GL	WOOD CARE	BUC	\$275.36	\$192.75	-30.00%
6117380	TRIPLET PLUS 50-10Z	KITCHEN DISINFECTANT AND SANITIZER	CAR	\$200.08	\$48.86	-75.58%
6117402	AQUA BALANCE PH PLUS3-10LB	POOL AND SPA CHEMICALS	CAR	\$107.55	\$75.29	-30.00%
6117406	AQUA B CONQUEST STN 4-1QT	POOL AND SPA CHEMICALS	CAR	\$176.68	\$123.68	-30.00%
6117407	AQUA BAL TINYL FOAM 4-1QT	POOL AND SPA CHEMICALS	CAR	\$112.24	\$78.57	-30.00%
6117409	AQUA BAL BASIC HARD 3-10LB	POOL AND SPA CHEMICALS	CAR	\$112.92	\$79.04	-30.00%
6117411	AQUA BAL DECHLOR 6-3LB	POOL AND SPA CHEMICALS	CAR	\$277.44	\$194.21	-30.00%
6117412	AQUA BAL DECHLOR 3-10LB	POOL AND SPA CHEMICALS	CAR	\$283.75	\$198.63	-30.00%
6117413	AQUA BAL CALHYPO SH 30-1LB	POOL AND SPA CHEMICALS	CAR	\$239.19	\$167.43	-30.00%
6117414	AQUA BAL CHLOR FREE 12-1LB	POOL AND SPA CHEMICALS	CAR	\$133.93	\$93.75	-30.00%
6117415	AQUA BAL TOTAL ALK 3-10LB	POOL AND SPA CHEMICALS	CAR	\$112.39	\$78.67	-30.00%
6117416	AQUA BAL TOTAL ALK 25LB	POOL AND SPA CHEMICALS	BUC	\$90.18	\$63.13	-30.00%
6117418	BACSTAT LIQ SOFT 5GL	LAUNDRY SOFT	BUC	\$270.69	\$189.48	-30.00%
6117561	SEA-KLEAR CLNR&DEG 4-1QT	POOL AND SPA CHEMICALS	CAR	\$253.97	\$177.78	-30.00%
6117571	SEA-KLEAR PHOS REM CR 4-1QT	POOL AND SPA CHEMICALS	CAR	\$350.77	\$245.54	-30.00%
6117572	SEA-KLEAR NAT CLARI 4-1QT	POOL AND SPA CHEMICALS	CAR	\$142.13	\$99.49	-30.00%
6117573	SEA-KLEAR ALGAE REM 4-1QT	POOL AND SPA CHEMICALS	CAR	\$193.52	\$135.46	-30.00%
6117585	JAVA KLENZ 100 X 0.25 OZ	HOUSEKEEPING SPECIALTY	CAR	\$111.48	\$78.04	-30.00%
6117718	OASIS 146 MULTIQUAT 15GL	KITCHEN DISINFECTANT AND SANITIZER	DR	\$1,086.81	\$443.52	-59.19%
6117781	OASIS 146 MULTIQUAT 4-1GL	KITCHEN DISINFECTANT AND SANITIZER	CAR	\$303.72	\$57.92	-80.93%
6117905	SOLID SURGE PLUS NP 4-9LB	LAUNDRY DETERGENT	CAR	\$616.19	\$189.60	-69.23%
6118077	SPEARHEAD 30GL	MACHINE WW DETERGENT	DR	\$2,495.98	\$1,747.19	-30.00%
6118111	AB MURIATIC ACID 4-1GL	POOL AND SPA CHEMICALS	CAR	\$101.25	\$70.88	-30.00%
6118145	BLUE SI CA HYPOCHLO55LB	POOL AND SPA CHEMICALS	BUC	\$961.76	\$673.23	-30.00%
6118170	AQUA BALANCE POOL 100LB	POOL AND SPA CHEMICALS	BUC	\$737.61	\$516.33	-30.00%
6118180	AQUA BALANCE POOL 8-5LB	POOL AND SPA CHEMICALS	CAR	\$532.60	\$372.82	-30.00%
6118189	AQUA BAL SPF-3050 8-5LB	POOL AND SPA CHEMICALS	CAR	\$663.40	\$464.38	-30.00%
6118405	OASIS 902 2.5GL	ALL-PURPOSE	CAR	\$203.26	\$142.28	-30.00%
6118411	OASIS 904 2.5GL	ALL-PURPOSE	CAR	\$291.84	\$204.29	-30.00%
6118424	MEDALLION 6-32OZ	KITCHEN POLISH	CAR	\$213.55	\$63.75	-70.15%
6118440	ECO SHINE 6-32OZ	KITCHEN POLISH	CAR	\$216.40	\$151.48	-30.00%
6118838	NATURAL SATIN 5GL	LAUNDRY SPECIALTY	BUC	\$284.79	\$199.35	-30.00%
6119460	SOLID SOILITE 6-9LB	MACHINE WW DETERGENT	CAR	\$796.83	\$557.78	-30.00%
6119505	GREASESTRIP PLUS 4-1 GAL	KITCHEN DEGREASER	CAR	\$314.88	\$64.83	-79.41%
6119990	AB MURIATIC ACID 4GL	POOL AND SPA CHEMICALS	BUC	\$225.84	\$158.09	-30.00%
6120108	PATHWAYS SOLID DRAIN12-4IN	DRAIN	CAR	\$296.43	\$207.50	-30.00%
6120587	66 HD ALK BATH CL&DI2-2L	BATHROOM	CAR	\$136.34	\$95.44	-30.00%
6121032	OASIS PRO 70 MARBLE 2-2L	BATHROOM	CAR	\$161.37	\$112.96	-30.00%
6121038	OASIS PRO 16 ORANGE 2-2L	ALL-PURPOSE	CAR	\$203.69	\$96.09	-52.83%
6121672	AB POOL & SPA DISINF5GL	POOL AND SPA CHEMICALS	BUC	\$238.70	\$167.09	-30.00%
6121685	AB POOL & SPA DISINF15GL	POOL AND SPA CHEMICALS	DR	\$726.30	\$508.41	-30.00%
6123671	DIGICLEAN MILD FOAM 6-750ML	HAND AND SKIN SOAP AND WASH LOTION	CAR	\$171.58	\$64.63	-62.33%
6124177	EASY GLOW DAILY FLR 2.5GL	FLOOR CARE	CAR	\$158.91	\$111.24	-30.00%
6124752	INST FINISH 200-1.5	MACHINE WW DETERGENT	CAR	\$288.23	\$201.76	-30.00%
6125798	GLASS FORCE PROFSNL 6-32OZ	GLASS	CAR	\$90.10	\$42.75	-52.55%
6126444	LIQUID CHAMP 4-1GL	MACHINE WW DETERGENT	CAR	\$414.90	\$290.43	-30.00%
6127049	FC WOOD FLR 4-1GL	WOOD CARE	CAR	\$136.09	\$53.00	-61.06%
6129777	GREASESTRIP PLUS 6-32OZ	KITCHEN DEGREASER	CAR	\$183.11	\$44.49	-75.70%
6129810	PATHWAYS DRAIN TREAT2.5GL	DRAIN	CAR	\$655.20	\$231.31	-64.70%
6130076	FIRST IMPR SUM LIN 12-1.80	AIR FRESHENER	CAR	\$317.17	\$222.02	-30.00%
6130078	FIRST IMPR MAN BUR 12-1.80	AIR FRESHENER	CAR	\$317.17	\$222.02	-30.00%
6132200	HOSHIZAKI SCALE AWAY4-1GL	DELIMER	CAR	\$135.13	\$94.59	-30.00%
6135112	LIQUID BINGO 12-32OZ	ALL-PURPOSE	CAR	\$207.45	\$96.69	-53.39%
6143556	TB DISINF CLNR RTU 12-32OZ	ALL-PURPOSE	CAR	\$266.63	\$102.88	-61.41%
6143665	NON ACID BOWL CLNR 12-32OZ	BATHROOM	CAR	\$98.24	\$34.23	-65.16%
6148561	MARKET CLEAN 6X64OZ	FLOOR CARE	CAR	\$116.18	\$81.33	-30.00%
6149461	MARKET CLEAN 1X2.5GL	FLOOR CARE	CAR	\$251.22	\$175.85	-30.00%
6150867	FM LUX HAND SOAP 4X1000ML	HAND AND SKIN SOAP AND WASH LOTION	CAR	\$56.73	\$39.71	-30.00%
6165300	MARKET NEUTRAL 2.5GL	FLOOR CARE	CAR	\$157.96	\$110.57	-30.00%
6169504	LIFT OFF STRIP AERO 12-18.5OZ	FLOOR CARE	CAR	\$145.73	\$102.01	-30.00%
6170211	PIN INTENS TILE CL 4-1GL	STONE CARE	CAR	\$672.68	\$274.44	-59.20%
6170217	PIN FLR CLN/CND 4-1GL	STONE CARE	CAR	\$522.66	\$365.86	-30.00%
6170411	PIN TILE POLISH 1 10LB	STONE CARE	CAR	\$605.56	\$423.89	-30.00%
6170413	PIN TILE POL 2 10LB	STONE CARE	CAR	\$579.53	\$405.67	-30.00%
6170418	PIN MARBLE POL PASTE 10LB	STONE CARE	CAR	\$458.28	\$320.80	-30.00%
6170420	PIN MARBLE POL PREP 2-5LB	STONE CARE	CAR	\$290.37	\$203.26	-30.00%
6171300	PINNACLE M&TERR CRY 4-1QT	STONE CARE	CAR	\$342.66	\$239.86	-30.00%
6171433	PINNACLE GRAN POL 4-1QT	STONE CARE	CAR	\$633.25	\$443.28	-30.00%
6181087	A-125 DRY 2X90 PKTS	FLOOR CARE	CAR	\$90.79	\$63.55	-30.00%
6184470	DRAIN PAN TRT & MIC 72CT	HARD SURFACE ANTIMICROBIAL	CAR	\$950.93	\$665.65	-30.00%
6185104	QF 33 FLR FINISH RS 2.5 GAL	FLOOR CARE	CAR	\$181.16	\$77.32	-57.32%
6185305	QF 34 NEUT FLR 2.5 GAL	FLOOR CARE	CAR	\$262.23	\$183.56	-30.00%
6185401	QF 32 FLR STRIP 2.5 GAL	FLOOR CARE	CAR	\$125.74	\$88.02	-30.00%

Product Number	Product name	Product Description	Unit of Measure	Ecolab List Price Eff. 1/1/2024	Case Price	Discount %
6187414	QF 89 IND DEG 2.5GL	FLOOR CARE	CAR	\$188.10	\$68.63	-63.51%
6189963	GEMSTAR STRATUS 5GL	FLOOR CARE	BUC	\$199.61	\$78.92	-60.46%
6191402	PREP PAK 2X90 PKTS	FLOOR CARE	CAR	\$152.26	\$66.19	-56.53%
6195036	REVITALIZE NONBRN TX4-1GL	CARPET	CAR	\$134.43	\$94.10	-30.00%
6195060	REVIT C&U PRESPRAY 4-1GL	CARPET	CAR	\$222.45	\$155.72	-30.00%
6195074	REVIT C&U EXT CLNR 4-1GL	CARPET	CAR	\$222.85	\$156.00	-30.00%
6195099	REVIT ENCAP CC 4-1GL	CARPET	CAR	\$202.69	\$141.88	-30.00%
6195113	REVITALIZE DEFOAMER 4-1GL	CARPET	CAR	\$150.57	\$79.44	-47.24%
6195513	MONOSTAR PHAZER 2-2 GL	FLOOR CARE	CAR	\$355.74	\$145.10	-59.21%
6195701	POLARIS - PHAZER 2-2 GAL	FLOOR CARE	CAR	\$204.31	\$143.02	-30.00%
6195708	PHAZER MARKETSTAR 2X2GL	FLOOR CARE	CAR	\$242.66	\$169.86	-30.00%
6195733	LASER - PHAZER 2-2 GL	FLOOR CARE	CAR	\$214.49	\$70.36	-67.20%
6195757	TAJ MAHAL - PHAZER 2X2 GAL	FLOOR CARE	CAR	\$209.51	\$146.66	-30.00%
6195911	STRATUS - PHAZER 2-2 GL	FLOOR CARE	CAR	\$198.71	\$83.27	-58.09%

Solid Power XL

CLASSIFICATION

Extended Life Dishmachine Detergent

PRODUCT DESCRIPTION

50% More Concentrated for More Clean Dishes
99.7% Phosphate & Phosphorus Free

USE

**FOR FOOD PLANT AND INDUSTRIAL USE ONLY - NOT FOR HOUSEHOLD USE
DO NOT MIX WITH ANYTHING BUT WATER**

This product is not for use as a machine warewashing sanitizer. Equipment, utensils or surfaces subject to direct food contact are to be thoroughly rinsed with potable water after treatment.

Use only in an Ecolab dispenser.

- Carefully lift empty container from dispenser and turn upright to avoid spills.
- Remove cap from full container and use it to seal the empty container.
- Dispose of empty container immediately. Do not reuse.
- Use handle to place full container in the dispenser with the open end down.

Recommended Usage (Maximum):

High: 2.0 oz. / 10 US Gal (25 Drops)

**Consult your Ecolab Specialist for specific use directions.
For service or additional information, call 1-800-35-CLEAN (352-5326)**

PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Solid. [Cast Solid]
Color	White
Odor	Odorless
pH	12.5 to 12.8 [Conc. (% w/w): 1%]

Ingredients:

Sodium Hydroxide	1310-73-2
Water	7732-18-5
Sodium Carbonate	497-19-8
Sodium Polyacrylate	9003-04-7
Poloxamer	9003-11-6
Polyacrylic-Maleic Sodium Salt	52255-49-9

% P Formula ingredients contain not more than 0.2% phosphorus, 0.1 g per gal of recommended use concentration.

PACKAGING / PRODUCT NUMBERS

Size Available	Product Number
2 - 9 lb (4.1 kg)	6100183
4 - 9 lb (4.1 kg)	6100185

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

- Product name SOLID POWER XL
- Other means of identification Not applicable
- Recommended use Machine warewashing Detergent
- Restrictions on use Reserved for industrial and professional use.

Product dilution information 0.06% - 0.15%

Company Ecolab Inc.
1 Ecolab Place
St. Paul, Minnesota US 55102
1-800-352-5326

Emergency health information 1-800-328-0026 US/Canada 1-651-222-5352 outside US

Issuing date 05/25/2023

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Product AS SOLD

- Skin corrosion Category 1
- Serious eye damage Category 1

Product AT USE DILUTION

Not a hazardous substance or mixture.

GHS label elements

Product AS SOLD

Hazard pictograms



Signal word Danger

Hazard Statements Causes severe skin burns and eye damage.

Precautionary Statements **Prevention:**
 Wash thoroughly after handling.
Response:
 SKIN/ EYES: Rinse mouth. Do NOT induce vomiting. **ON SKIN**
 or **hair:** Take off immediately all contaminated clothing. Rinse skin
 with water copiously. **INHALED:** Remove person to fresh air and
 feel comfortable for breathing. Immediately call a POISON CENTER
 doctor. **IN EYES:** Rinse cautiously with water for several minutes.
 Remove contact lenses, if present and easy to do. Continue rinsing.
 Immediately call a POISON CENTER/doctor. **As contaminated**
 clothing before reuse.
Storage:
 Store locked up

SAFETY DATA SHEET

SOLID POWER XL

Disposal:

Dispose of contents/container to an approved waste disposal plant.

Product AT USE DILUTION

Precautionary Statements

Prevention:

Wash hands thoroughly after handling.

Response:

Get medical advice/attention if you feel unwell.

Storage:

Store in accordance with local regulations.

Product AS SOLD

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Product AS SOLD

Pure substance/mixture

Mixture

Chemical name

Sodium hydroxide

CAS-No.

1310-73-2

Concentration (%)

60 - 100

Product AT USE DILUTION

No hazardous ingredients

SECTION 4. FIRST AID MEASURES

Product AS SOLD

In case of eye contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.

In case of skin contact

Wash immediately with plenty of water for at least 15 minutes. Use a mild soap if available. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.

If swallowed

Rinse mouth with water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.

Inhaled

Remove to fresh air. Treat symptomatically. Get medical attention if symptoms occur.

Protection of first-aiders

If potential for exposure exists refer to Section 8 for specific personal protective equipment.

Notes to physician

Treat symptomatically.

Most important symptoms and effects, both acute and delayed

See Section 11 for more detailed information on health effects and symptoms.

Product AT USE DILUTION

In case of eye contact

Rinse with plenty of water.

In case of skin contact

Rinse with plenty of water.

SAFETY DATA SHEET

SOLID POWER XL

Not allowed

Do not rinse mouth. Get medical attention if symptoms occur.

Not allowed

Get medical attention if symptoms occur.

SECTION 5. FIRE-FIGHTING MEASURES

Product AS SOLD

Suitable extinguishing media Do not use extinguishing measures that are inappropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media None known.

Specific hazards during fire fighting Not flammable or combustible.

Hazardous combustion products Decomposition products may include the following materials:
Carbon oxides
Sulfur oxides
Oxides of hydrogen

Special protective equipment for fire-fighters Use personal protective equipment.

Specific extinguishing methods Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire and/or explosion do not breathe fumes.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Product AS SOLD

Personal precautions, protective equipment and emergency procedures Ensure adequate ventilation. See label for a safe room and avoid of spillage. Avoid inhalation, ingestion and contact with skin and eyes. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed in sections 7 and 8.

Environmental precautions Do not allow contact with soil, surface or ground water.

Methods and materials for containment and cleaning up Sweep up and shovel into suitable containers for disposal.

Product AT USE DILUTION

Personal precautions, protective equipment and emergency procedures Refer to protective measures listed in sections 7 and 8.

Environmental precautions No special environmental precautions required.

Methods and materials for containment and cleaning up Stop leakage if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, e.g. sand, earth, diatomaceous earth, vermiculite and place in container for disposal according to local/national regulations (see section 13) or large spills, dilute spilled material or otherwise contain material to ensure runoff does not reach a waterway.

SECTION 7. HANDLING AND STORAGE

SAFETY DATA SHEET

SOLID POWER XL

Product AS SOLD

Advice on safe handling Do not ingest. Do not get in eyes, on skin, or on clothing. Do not breathe dust/vapour/gas/mist/aerosols. Use only with adequate ventilation. Wash hands thoroughly after handling. In case of mechanical malfunction, or skin contact it is unadvisable to dilute product, wear full Personal Protective Equipment (PPE)

Conditions for safe storage Do not store near acids. Keep out of reach of children. Store in suitable labeled containers.

Storage temperature -10 °C to 50 °C

Product AT USE DILUTION

Advice on safe handling Wash hands after handling. In case of mechanical malfunction, or skin contact it is unadvisable to dilute product, wear full Personal Protective Equipment (PPE) or personal protection see section 8.

Conditions for safe storage Keep out of reach of children. Store in suitable labeled containers.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Product AS SOLD

Ingredients with workplace control parameters

Components	COS-No.	Form of exposure	Permissible concentration	Basis
sodium hydroxide	1310-73-2	C	2 mg/m ³	CGI
		C	2 mg/m ³	NIOSH REL
		C	2 mg/m ³	OSHA P0

Engineering measures Effective exhaust ventilation system. Maintain air concentrations below occupational exposure standards.

Personal protective equipment

Eye protection Due to the form and packaging of the product, no protective equipment is needed under normal use conditions.

Hand protection Due to the form and packaging of the product, no protective equipment is needed under normal use conditions.

Skin protection Due to the form and packaging of the product, no protective equipment is needed under normal use conditions.

Respirator protection Due to the form and packaging of the product, no protective equipment is needed under normal use conditions.

Hygiene measures Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Wash face, hands and any exposed skin thoroughly after handling. Provide suitable facilities for quick drenching or flushing of the eyes and body in case of contact or splash hazard.

Product AT USE DILUTION

Engineering measures Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

SAFETY DATA SHEET

SOLID POWER XL

Personal protective equipment

- Eye protection No special protective equipment required.
- Hand protection No special protective equipment required.
- Skin protection No special protective equipment required.
- Respirator protection No personal respiratory protective equipment normally required.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

	Product AS SOLD	Product AT USE DILUTION
Appearance	<input type="checkbox"/> Cast Solid	liquid
Color	<input type="checkbox"/> opaque, white	colorless
Odor	<input type="checkbox"/> odorless	odorless
ppm	<input type="checkbox"/> 12.5 - 12.8, 100	10.11 - 10.91
Classification	<input type="checkbox"/> Not applicable	
Odor Threshold	<input type="checkbox"/> No data available	
Melting point/freezing point	<input type="checkbox"/> No data available	
Initial boiling point and boiling range	<input type="checkbox"/> No data available	
Evaporation rate	<input type="checkbox"/> No data available	
Flammability (solid, gas)	<input type="checkbox"/> Not applicable	
Upper explosion limit	<input type="checkbox"/> No data available	
Lower explosion limit	<input type="checkbox"/> No data available	
Vapor pressure	<input type="checkbox"/> No data available	
Relative vapor density	<input type="checkbox"/> No data available	
Relative density	<input type="checkbox"/> No data available	
Water solubility	<input type="checkbox"/> No data available	
Solubility in other solvents	<input type="checkbox"/> No data available	
Partition coefficient n-octanol/water	<input type="checkbox"/> No data available	
Autoignition temperature	<input type="checkbox"/> No data available	
Thermal decomposition	<input type="checkbox"/> No data available	
Viscosity (kinematic)	<input type="checkbox"/> No data available	
Explosive properties	<input type="checkbox"/> No data available	
Oxidizing properties	<input type="checkbox"/> No data available	
Molecular weight	<input type="checkbox"/> No data available	
VOC	<input type="checkbox"/> No data available	

SECTION 10. STABILITY AND REACTIVITY

Product AS SOLD

- Reactivity No dangerous reaction known under conditions of normal use.

SAFETY DATA SHEET

SOLID POWER XL

- | | |
|------------------------------------|---|
| Chemical stability | <input type="checkbox"/> Stable under normal conditions. |
| Possibility of hazardous reactions | <input type="checkbox"/> No dangerous reaction known under conditions of normal use. |
| Conditions to avoid | <input type="checkbox"/> None known. |
| Incompatible materials | <input type="checkbox"/> Acids
Metals
Organic materials |
| Hazardous decomposition products | <input type="checkbox"/> In case of fire hazardous decomposition products may be produced such as
Carbon oxides
Sulfur oxides
Oxides of phosphorus |

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of Eye contact, Skin contact
exposure

Potential Health Effects

Product AS SOLD

- | | |
|------------------|--|
| Eye | <input type="checkbox"/> Causes serious eye damage. |
| Ingestion | <input type="checkbox"/> Causes digestive tract burns. |
| Inhalation | <input type="checkbox"/> May cause nose, throat, and lung irritation. |
| Chronic Exposure | <input type="checkbox"/> Health injuries are not known or expected under normal use. |

Product AT USE DILUTION

- | | |
|------------------|--|
| Eye | <input type="checkbox"/> Health injuries are not known or expected under normal use. |
| Skin | <input type="checkbox"/> Health injuries are not known or expected under normal use. |
| Ingestion | <input type="checkbox"/> Health injuries are not known or expected under normal use. |
| Inhalation | <input type="checkbox"/> Health injuries are not known or expected under normal use. |
| Chronic Exposure | <input type="checkbox"/> Health injuries are not known or expected under normal use. |

Experience with human exposure

Product AS SOLD

- | | |
|--------------|--|
| Eye contact | <input type="checkbox"/> Redness, Pain, Corrosion |
| Skin contact | <input type="checkbox"/> Redness, Pain, Corrosion |
| Ingestion | <input type="checkbox"/> Corrosion, abdominal pain |
| Inhalation | <input type="checkbox"/> Respiratory irritation, Cough |

Product AT USE DILUTION

- | | |
|--------------|---|
| Eye contact | <input type="checkbox"/> No symptoms known or expected. |
| Skin contact | <input type="checkbox"/> No symptoms known or expected. |

SAFETY DATA SHEET

SOLID POWER XL

Ingestion No symptoms known or expected.

Inhalation No symptoms known or expected.

Toxicity

Product AS SOLD Product

Acute oral toxicity Acute toxicity estimate 5,000 mg/kg

Acute inhalation toxicity No data available

Acute dermal toxicity Acute toxicity estimate 5,000 mg/kg

Skin corrosion/irritation No data available

Serious eye damage/eye irritation No data available

Respiratory or skin sensitization No data available

Carcinogenicity No data available

Reproductive effects No data available

Germ cell mutagenicity No data available

Teratogenicity No data available

STOT-single exposure No data available

STOT-repeated exposure No data available

Aspiration toxicity No data available

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Product AS SOLD

Environmental Effects Harmful to aquatic life.

Product AT USE DILUTION

Environmental Effects This product has no known ecotoxicological effects.

Product AS SOLD Product

Toxicity to fish 96 h LC50 Pimephales promelas 137.6 mg/l
Test substance: Product

Toxicity to daphnia and other aquatic invertebrates 48 h LC50 Ceriodaphnia dubia water 135.7 mg/l
Test substance: Product

Toxicity to algae No data available

Persistence and degradability

Product AT USE DILUTION

No data available

Bioaccumulative potential

No data available

Mobility in soil

SAFETY DATA SHEET

SOLID POWER XL

No data available

Other adverse effects

No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Product AS SOLD

Disposal methods

- Do not contaminate ponds, waterways or ditches with chemical or used container. Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose in compliance with local regulations. Dispose of wastes in an approved waste disposal facility.

Disposal considerations

- Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not reuse empty containers. Dispose in accordance with local, state, and federal regulations.

Product AT USE DILUTION

Disposal methods

- Diluted product can be flushed to sanitary sewer.

Disposal considerations

- Dispose in accordance with local, state, and federal regulations.

SECTION 14. TRANSPORT INFORMATION

Product AS SOLD

The shipper/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

Land transport (DOT)

- UN number: 1823
- Description of the goods: Sodium hydroxide, solid, mixture
- Class: 8
- Packing group: II
- Environmentally hazardous: no

Sea transport (IMDG/IMO)

- UN number: 1823
- Proper shipping name: SODIUM HYDROXIDE, SOLID, MIXTURE
- Class: 8
- Packing group: II
- Marine pollutant: no

SECTION 15. REGULATORY INFORMATION

Product AS SOLD

EPCRA - Emergency Planning and Community Right-to-Know

CERCLA Reportable Quantity

Components	COS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
Sodium hydroxide	1310-73-2	1000	1656

SAFETY DATA SHEET

SOLID POWER XL

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components that are a section 304 EHS R.

SARA 311/312 Hazards

Skin corrosion or irritation
Serious eye damage or eye irritation

SARA 302

This material does not contain any components that are a section 302 EHS TP.

SARA 313

This material does not contain any chemical components that have no CAS numbers that exceed the threshold De Minimis Reporting levels established by SOR Title III, Section 313.

California Prop. 65

This product does not contain any chemicals known to the State of California to cause cancer, birth, or another reproductive defects.

California Cleaning Product Right to Know Act of 2017 (SB 258)

This regulation applies to this product.

Hazardous ingredients	COS-No.	Function	List#
Sodium hydroxide	1310-73-2	Cleaning agent	20
Water	7732-18-5	Processing aid	Not applicable
Gluconates	527-07-1	Cleaning agent	Not applicable
sodium sulfate	7757-82-6	Cleaning agent	20
Salt of Carboxylic acid derivative	Not listed	Cleaning agent	Not applicable
Nonionic surfactant	Not listed	Cleaning agent	Not applicable
Alkylene glycol	Not listed	Processing aid	Not applicable
sodium aluminate, solid	11138-49-1	Cleaning agent	10

Refer to ecolab.com/sds or electronic links to designated lists

The ingredients of this product are reported in the following inventories:

Switzerland. New notified substances and declared preparations

not determined

United States TSCA Inventory

All substances listed as active on the TSCA inventory

Canadian Domestic Substances List (DSL)

All components of this product are on the Canadian DSL

Australia. Australian Industrial Chemicals Introduction Scheme (AICIS)

not determined

New Zealand. Inventory of Chemical Substances

On the inventory or in compliance with the inventory

Japan. ENCS - Existing and New Chemical Substances Inventory

not determined

Korea. Korean Existing Chemicals Inventory (KECI)

On the inventory or in compliance with the inventory

Philippines Inventory of Chemicals and Chemical Substances (PICCS)

On the inventory or in compliance with the inventory

China. Inventory of Existing Chemical Substances in China (IECSC)

SAFETY DATA SHEET

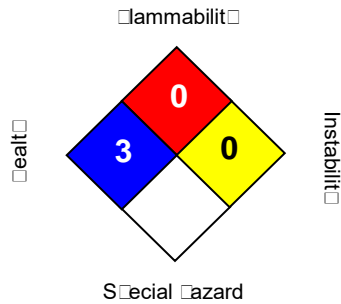
SOLID POWER XL

not determined

Taiwan Chemical Substance Inventory (TCSI)
On the inventor or in compliance with the inventor

SECTION 16. OTHER INFORMATION

Product AS SOLD NFPA:

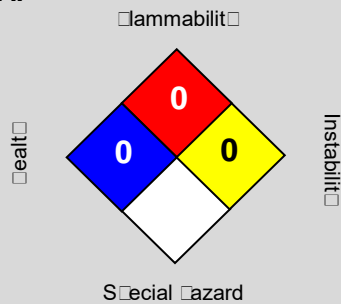


HMIS III:

HEALTH	3
FLAMMABILITY	0
PHYSICAL HAZARD	0

0 = not significant, 1 = Slight,
2 = Moderate, 3 = Significant
4 = Extreme, ☐☐ Chronic

Product AT USE DILUTION NFPA:



HMIS III:

HEALTH	0
FLAMMABILITY	0
PHYSICAL HAZARD	0

0 = not significant, 1 = Slight,
2 = Moderate, 3 = Significant
4 = Extreme, ☐☐ Chronic

Issuing date 05/25/2023
Version 1.6
Prepared by Regulator Affairs

REVISED INFORMATION Significant changes to regulator or health information or this revision is indicated by a bar in the left-hand margin of the SDS.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warrant or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with other materials or in an process, unless specified in the text.

Super Trump

CLASSIFICATION

Detergent For Machine Warewashing

PRODUCT DESCRIPTION

High performance detergent for use in water up to 10 grains per gallon hardness. Can be automatically dispensed directly from shipping container to dishmachine.

USE

FOR INDUSTRIAL USE ONLY - NOT FOR HOUSEHOLD USE

When used as directed, this product can be used on institutional china, glassware, stainless steel and silver flatware and plasticware.

Use on institutional china, glassware, stainless steel and silver flatware and plasticware.

Super Trump is NOT recommended for use on aluminum and other soft metals.

Be sure the final water rinse is functioning.

Consult your Ecolab Specialist for specific use directions.

For service or additional information, call 1-800-35-CLEAN (352-5326)

PHYSICAL AND CHEMICAL PROPERTIES

PhysicalState	Liquid. [Liquid.]
Color	Tan. [Light]
Odor	Odorless
pH	13 to 14 [Conc. (% w/w): 100%]

Compositional information:

Sodium Hydroxide	1310-73-2
Sodium Polyacrylate	9003-04-7
Water	7732-18-5
2-Phosphono-Butane-Tricarboxylic Acid	37971-36-1

% P Formula contains not more than 0.2% Phosphorus, 0.1 g per gallon of average recommended use concentration

PACKAGING / PRODUCT NUMBERS

Size Available	Product Number
4 - 1 U.S. gal/3.78 L	12740

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

- Product name SUPER TRUMP
- Other means of identification Not applicable
- Recommended use Detergent
- Restrictions on use Reserved for industrial and professional use.

Product dilution information 0.164

Company Ecolab Inc.
1 Ecolab Place
St. Paul, Minnesota US 55102
1-800-352-5326

Emergency contact information 1-800-328-0026 US/Canada 1-651-222-5352 outside US

Issuing date 05/31/2023

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Product AS SOLD

- Skin corrosion Category 1
- Serious eye damage Category 1

Product AT USE DILUTION

- Skin corrosion Category 1
- Serious eye damage Category 1

GHS label elements

Product AS SOLD

Hazard pictograms



Signal word Danger

Hazard Statements Causes severe skin burns and eye damage.

Precautionary Statements **Prevention:**

- Use only in a well-ventilated area.
- Wear eye protection, gloves and protective clothing.

Response:

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN or hair: Take off immediately all contaminated clothing. Rinse skin with water. IF IN EYES: Remove person to fresh air and see comfortable for breathing. Immediately call a POISON CENTER or doctor. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor. Use only contaminated clothing before reuse.

SAFETY DATA SHEET

SUPER TRUMP

Storage:

Store locked up.

Disposal:

Dispose of contents/container to an approved waste disposal plant.

Product AT USE DILUTION

Hazard pictograms



Signal word

Danger

Hazard Statements

Causes severe skin burns and eye damage.

Precautionary Statements

Prevention:

Wash hands thoroughly after handling. Wear protective gloves, protective clothing, eye protection, face protection.

Response:

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. **IF ON SKIN OR CLOTHING:** Take off immediately all contaminated clothing. Rinse skin with water or soap. **IF IN EYES:** Remove person to fresh air and see a doctor if necessary. **IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. **IF ON SKIN:** Immediately call a POISON CENTER or doctor. If on contaminated clothing before reuse.

Storage:

Store locked up.

Disposal:

Dispose of contents/container to an approved waste disposal plant.

Product AS SOLD

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Product AS SOLD

Pure substance/mixture

Mixture

Chemical name

Sodium hydroxide

CAS-No.

1310-73-2

Concentration (%)

10 - 30

Product AT USE DILUTION

No hazardous ingredients

SECTION 4. FIRST AID MEASURES

Product AS SOLD

In case of eye contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.

In case of skin contact

Wash immediately with plenty of water for at least 15 minutes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.

If swallowed

Rinse mouth with water. Do NOT induce vomiting. Never give

SAFETY DATA SHEET

SUPER TRUMP

	an artificial breathing device to an unconscious person. Get medical attention immediately.
Inhaled	Remove to fresh air. Treat symptomatically. Get medical attention if symptoms occur.
Protection of first-aiders	Individual exposure exists refer to Section 8 for specific personal protective equipment.
Notes to physician	Treat symptomatically.
Most important symptoms and effects, both acute and delayed	See Section 11 for more detailed information on health effects and symptoms.

Product AT USE DILUTION

In case of eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.
In case of skin contact	Wash off immediately with plenty of water for at least 15 minutes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.
In case of inhalation	Rinse mouth with water. Do NOT induce vomiting. Never give an artificial breathing device to an unconscious person. Get medical attention immediately.
Inhaled	Remove to fresh air. Treat symptomatically. Get medical attention if symptoms occur.

SECTION 5. FIRE-FIGHTING MEASURES

Product AS SOLD

Suitable extinguishing media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable extinguishing media	None known.
Specific hazards during firefighting	Not flammable or combustible.
Hazardous combustion products	Decomposition products may include the following materials: Carbon oxides
Special protective equipment for firefighters	Use personal protective equipment.
Specific extinguishing methods	Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire and/or explosion do not breathe fumes.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Product AS SOLD

Personal precautions, protective equipment and	Ensure adequate ventilation. See label for removal and avoid inhalation, ingestion and contact with skin and eyes.
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SAFETY DATA SHEET

SUPER TRUMP

- emergencypcedures When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed in sections 7 and 8.
- Environmental precautions Do not allow contact with soil, surface or ground water.
- Methods and materials for containment and cleaning up Stop leakage to do so. Contain spillage, and then collect with non-combustible absorbent material, e.g. sand, earth, diatomaceous earth, vermiculite and place in container for disposal according to local national regulations (see section 13) unless a trace of water. For large spills, die spilled material or otherwise contain material to ensure runoff does not reach a waterway.

Product AT USE DILUTION

- Personal precautions, protective equipment and emergency procedures Ensure adequate ventilation. See label for amount from and avoid of spillage. Avoid inhalation, ingestion and contact with skin and eyes. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed in sections 7 and 8.
- Environmental precautions Do not allow contact with soil, surface or ground water.
- Methods and materials for containment and cleaning up Stop leakage to do so. Contain spillage, and then collect with non-combustible absorbent material, e.g. sand, earth, diatomaceous earth, vermiculite and place in container for disposal according to local national regulations (see section 13) unless a trace of water. For large spills, die spilled material or otherwise contain material to ensure runoff does not reach a waterway.

SECTION 7. HANDLING AND STORAGE

Product AS SOLD

- Advice on safe handling Do not ingest. Do not get in eyes, on skin, or on clothing. Do not breathe dust, fume, gas, mist, vapors or spray. Use only with adequate ventilation. Wash hands thoroughly after handling. In case of mechanical malfunction, or in contact with unknown dilution of product, wear full Personal Protective Equipment (PPE).
- Conditions for safe storage Do not store near acids. Keep out of reach of children. Store in suitable labeled containers.
- Storage temperature 0 °C to 50 °C

Product AT USE DILUTION

- Advice on safe handling Do not ingest. Do not get in eyes, on skin, or on clothing. Do not breathe dust, fume, gas, mist, vapors or spray. Use only with adequate ventilation. Wash hands thoroughly after handling. In case of mechanical malfunction, or in contact with unknown dilution of product, wear full Personal Protective Equipment (PPE).
- Conditions for safe storage Keep out of reach of children. Store in suitable labeled containers.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Product AS SOLD

Ingredients with workplace control parameters

SAFETY DATA SHEET

SUPER TRUMP

Components	COS-No.	Form of exposure	Permissible concentration	Basis
sodium hydroxide	1310-73-2	C	2 mg/m ³	CGI
		C	2 mg/m ³	NIOSH REL
		C	2 mg/m ³	OSHA P0

Engineering measures Effective exhaust ventilation system. Maintain air concentrations below occupational exposure standards.

Personal protective equipment

Eye protection Ear eye protection and/or face protection.

Hand protection Ear the following personal protective equipment
Standard glove type.
Gloves should be discarded and replaced if there is an indication of degradation or chemical breakthrough.

Skin protection Personal protective equipment comprising suitable protective gloves, safety goggles and protective clothing

Respirator protection When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Hygiene measures Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use.
Wash face, hands and any exposed skin thoroughly after handling.
Provide suitable facilities for quick drenching or flushing of the eyes and body in case of contact or splash hazard.

Product AT USE DILUTION

Engineering measures Effective exhaust ventilation system. Maintain air concentrations below occupational exposure standards.

Personal protective equipment

Eye protection Ear eye protection and/or face protection.

Hand protection Ear the following personal protective equipment
Standard glove type.
Gloves should be discarded and replaced if there is an indication of degradation or chemical breakthrough.

Skin protection Personal protective equipment comprising suitable protective gloves, safety goggles and protective clothing

Respirator protection When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

	Product AS SOLD	Product AT USE DILUTION
Appearance	liquid	liquid
Color	clear, tan	colorless
Odor	odorless	odorless

SAFETY DATA SHEET

SUPER TRUMP

Flash point	13.0 - 14.0, ≤ 100 °C	10.5 - 12.0
Odor Threshold	Not applicable	
Melting point/freezing point	No data available	
Initial boiling point and boiling range	No data available	
Evaporation rate	No data available	
Flammability (solid, gas)	Not applicable	
Upper explosion limit	No data available	
Lower explosion limit	No data available	
Vapor pressure	No data available	
Relative vapor density	No data available	
Relative density	1.24 - 1.28	
Water solubility	soluble	
Solubility in other solvents	No data available	
Partition coefficient n-octanol/water	No data available	
Autoignition temperature	No data available	
Thermal decomposition	No data available	
Viscosity (kinematic)	No data available	
Explosive properties	No data available	
Oxidizing properties	No data available	
Molecular weight	No data available	
VOC	No data available	

SECTION 10. STABILITY AND REACTIVITY

Product AS SOLD

Reactivity	No dangerous reaction ≤ 100 under conditions of normal use.
Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	No dangerous reaction ≤ 100 under conditions of normal use.
Conditions to avoid	None ≤ 100 .
Incompatible materials	Acids Bases Metals Organic materials
Hazardous decomposition products	In case of fire hazardous decomposition products may be produced such as: Carbon oxides

SECTION 11. TOXICOLOGICAL INFORMATION

SAFETY DATA SHEET

SUPER TRUMP

Information on likely routes of exposure: Inhalation, Eye contact, Skin contact

Potential Health Effects

Product AS SOLD

- Eye contact Causes serious eye damage.
- Skin contact Causes severe skin burns.
- Ingestion Causes digestive tract burns.
- Inhalation May cause nose, throat, and lung irritation.
- Chronic Exposure Health injuries are not known or expected under normal use.

Product AT USE DILUTION

- Eye contact Causes serious eye damage.
- Skin contact Causes severe skin burns.
- Ingestion Causes digestive tract burns.
- Inhalation May cause nose, throat, and lung irritation.
- Chronic Exposure Health injuries are not known or expected under normal use.

Experience with human exposure

Product AS SOLD

- Eye contact Redness, Pain, Corrosion
- Skin contact Redness, Pain, Corrosion
- Ingestion Corrosion, abdominal pain
- Inhalation Respiratory irritation, Cough

Product AT USE DILUTION

- Eye contact Redness, Pain, Corrosion
- Skin contact Redness, Pain, Corrosion
- Ingestion Corrosion, abdominal pain
- Inhalation Respiratory irritation, Cough

Toxicity

Product AS SOLD

Product

- Acute oral toxicity No data available
- Acute inhalation toxicity No data available
- Acute dermal toxicity Acute toxicity estimate 5,000 mg/kg
- Skin corrosion/irritation No data available

SAFETY DATA SHEET

SUPER TRUMP

- | | |
|-----------------------------------|--|
| Serious eye damage/eye irritation | <input type="checkbox"/> No data available |
| Respirator or skin sensitization | <input type="checkbox"/> No data available |
| Carcinogenicity | <input type="checkbox"/> No data available |
| Reproductive effects | <input type="checkbox"/> No data available |
| Germ cell mutagenicity | <input type="checkbox"/> No data available |
| Teratogenicity | <input type="checkbox"/> No data available |
| STOT-single exposure | <input type="checkbox"/> No data available |
| STOT-repeated exposure | <input type="checkbox"/> No data available |
| Aspiration toxicity | <input type="checkbox"/> No data available |

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Product AS SOLD

Environmental Effects This product has no known ecotoxicological effects.

Product AT USE DILUTION

Environmental Effects This product has no known ecotoxicological effects.

Product AS SOLD

Product

- | | |
|---|--|
| Toxicity to fish | <input type="checkbox"/> No data available |
| Toxicity to daphnia and other aquatic invertebrates | <input type="checkbox"/> No data available |
| Toxicity to algae | <input type="checkbox"/> No data available |

Components

Toxicity to daphnia and other aquatic invertebrates Sodium hydroxide
48 % EC50 Daphnia magna 48 hr test 40 mg/l

Persistence and degradability

Product AT USE DILUTION

Not applicable - inorganic

Bioaccumulative potential

No data available

Mobility in soil

No data available

Other adverse effects

No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Product AS SOLD

Disposal methods Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose in compliance with local regulations. Dispose of wastes in an approved waste disposal facility.

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SUPER TRUMP

Disposal considerations Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not reuse empty containers. Dispose of in accordance with local, state, and federal regulations.

Product AT USE DILUTION

Disposal methods Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Dispose of wastes in an approved waste disposal facility.

Disposal considerations Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not reuse empty containers. Dispose of in accordance with local, state, and federal regulations.

SECTION 14. TRANSPORT INFORMATION

Product AS SOLD

The shipper/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

Land transport (DOT)

UN number 1824
Description of the goods Sodium hydroxide solution
Class 8
Packaging group II
Environmentally hazardous no

Sea transport (IMDG/IMO)

UN number 1824
Proper shipping name SODIUM HYDROXIDE SOLUTION
Class 8
Packaging group II
Marine pollutant no

SECTION 15. REGULATORY INFORMATION

Product AS SOLD

EPCRA - Emergency Planning and Community Right-to-Know

CERCLA Reportable Quantity

Components	CIS-No.	Component RQ (lbs)	Calculated Product RQ (lbs)
Sodium hydroxide	1310-73-2	1000	4557

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards

Skin corrosion or irritation
Serious eye damage or eye irritation

SAFETY DATA SHEET

SUPER TRUMP

SARA 302

This material does not contain any components that are a section 302 EHS TP.

SARA 313

This material does not contain any chemical components that are on the CDS numbers that exceed the threshold De Minimis reporting levels established by SOR Title III, Section 313.

California Prop. 65

This product does not contain any chemicals known to the State of California to cause cancer, birth, or another reproductive defects.

California Cleaning Product Right to Know Act of 2017 (SB 258)

This regulation applies to this product.

Hazardous ingredients	CDS-No.	Function	Lists
Water	7732-18-5	Diluent	Not applicable
Sodium Hydroxide	1310-73-2	Cleaning agent	20
Sodium Polycrylate	9003-04-7	Cleaning agent	Not applicable
2-Posono-1,2,4-Butanetricarboxylic acid, Sodium Salt	40372-66-5	Cleaning agent	Not applicable

Refer to ecolab.com/sds or electronic links to designated lists

The ingredients of this product are reported in the following inventories:

United States TSCA Inventory

All substances listed as active on the TSCA inventor

Canadian Domestic Substances List (DSL)

All components of this product are on the Canadian DSL

Australia. Australian Industrial Chemicals Introduction Scheme (AICIS)

not determined

New Zealand. Inventory of Chemical Substances

not determined

Japan. ENCS - Existing and New Chemical Substances Inventory

On the inventor, or in compliance with the inventor

Korea. Korean Existing Chemicals Inventory (KECI)

On the inventor, or in compliance with the inventor

Philippines Inventory of Chemicals and Chemical Substances (PICCS)

not determined

China. Inventory of Existing Chemical Substances in China (IECSC)

On the inventor, or in compliance with the inventor

Taiwan Chemical Substance Inventory (TCSI)

On the inventor, or in compliance with the inventor

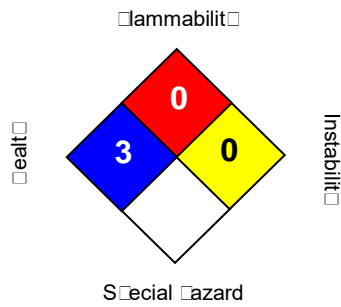
SECTION 16. OTHER INFORMATION

Product AS SOLD

SAFETY DATA SHEET

SUPER TRUMP

NFPA:



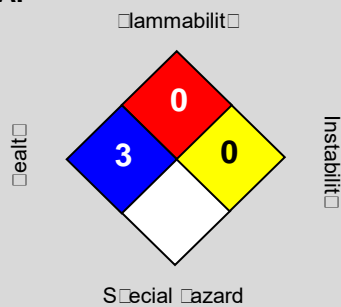
HMIS III:

HEALTH	3
FLAMMABILITY	0
PHYSICAL HAZARD	0

0 = not significant, 1 = Slight, 2 = Moderate, 3 = Significant, 4 = Extreme, 0 = Chronic

Product AT USE DILUTION

NFPA:



HMIS III:

HEALTH	3
FLAMMABILITY	0
PHYSICAL HAZARD	0

0 = not significant, 1 = Slight, 2 = Moderate, 3 = Significant, 4 = Extreme, 0 = Chronic

Issuing date: 05/31/2023
Version: 1.1
Prepared by: Regulator Affairs

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Solid Metal Pro

CLASSIFICATION

Solid Metal Sa[®] Machine Care[™] Detergent

PRODUCT DESCRIPTION

Protects your pots and pans while delivering high-quality cleaning, destaining and water conditioning. Specially formulated to prevent corrosion of aluminum, copper, brass and other soft metals.

USE

**FOR FOOD PLANT AND INDUSTRIAL USE ONLY - NOT FOR HOUSEHOLD USE
DO NOT MIX WITH ANYTHING BUT WATER.**

Equipment, utensils or surfaces subject to direct food contact are to be thoroughly rinsed with potable water after treatment.

DIRECTIONS FOR USE

Use only in an Ecolab dispenser.

Carefully lift empty container from dispenser and turn upright to avoid spills.

Remove cap from all container and use it to seal the empty container. Dispose of empty container immediately. Do not reuse.

Use handle to place full container in the dispenser without the open end down.

Usage (Maximum):

Up to 3.8 oz. / 10 US Gal / 0.29 Concentration

For Complete Metal Protection, 0.20 Concentration must be used

Consult your Ecolab Specialist or call 1-800-35 CLEAN (352-5326) for specific use directions, service, or additional information.

PHYSICAL & CHEMICAL PROPERTIES

Appearance: Cast solid
Color: Off-white
Odor: Not significant
pH: 11.5 - 12.5, 10

Ingredients:

Sodium metasilicate	6834-92-0
Water	7732-18-5
Sodium carbonate (soda ash)	497-19-8
Sodium polyacrylate	9003-04-7
2-butenedioic acid (Z), homopolymer	30915-61-8
Sodium bicarbonate	144-55-8

%P: Formula ingredients contain no phosphorus

PACKAGING & PRODUCT NUMBERS

Size	Product Number
4 - 3.6 G 8 LB	10751
4 - 3.6 G 8 LB	6110751

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : SOLID METAL PRO

Other means of identification : Not applicable

Recommended use : Machine Warewashing Detergent

Restrictions on use : Reserved for industrial and professional use.

Product dilution information : 0.1 % - 0.29 %

Company : Ecolab Inc.
1 Ecolab Place
St. Paul, Minnesota USA 55102
1-800-352-5326

Emergency health information : 1-800-328-0026 (US/Canada), 1-651-222-5352 (outside US)

Issuing date : 01/13/2021

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Product AS SOLD

Acute toxicity (Oral) : Category 4
Skin corrosion : Category 1A
Serious eye damage : Category 1

Product AT USE DILUTION

Skin corrosion : Category 1A
Serious eye damage : Category 1

GHS label elements

Product AS SOLD

Hazard pictograms :



Signal Word : Danger

Hazard Statements : Harmful if swallowed.
Causes severe skin burns and eye damage.

Precautionary Statements : **Prevention:**
Wash skin thoroughly after handling. Do not eat, drink or smoke when using this product.
Response:
IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. Rinse mouth. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor. IF IN EYES: Rinse cautiously with water

SAFETY DATA SHEET

SOLID METAL PRO

for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor. Wash contaminated clothing before reuse.

Storage:

Store locked up.

Disposal:

Dispose of contents/ container to an approved waste disposal plant.

Product AT USE DILUTION

Hazard pictograms :



Signal Word : Danger

Hazard Statements : Causes severe skin burns and eye damage.

Precautionary Statements : **Prevention:**

Wash skin thoroughly after handling. Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response:

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor. Wash contaminated clothing before reuse.

Storage:

Store locked up.

Disposal:

Dispose of contents/ container to an approved waste disposal plant.

Product AS SOLD

Other hazards : None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Product AS SOLD

Pure substance/mixture : Mixture

Chemical name	CAS-No.	Concentration (%)
disodium metasilicate	6834-92-0	30 - 60
Sodium Carbonate	497-19-8	10 - 30

Product AT USE DILUTION

No hazardous ingredients

SECTION 4. FIRST AID MEASURES

Product AS SOLD

In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.

SAFETY DATA SHEET

SOLID METAL PRO

In case of skin contact	: Wash off immediately with plenty of water for at least 15 minutes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.
If swallowed	: Rinse mouth with water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.
If inhaled	: Remove to fresh air. Treat symptomatically. Get medical attention if symptoms occur.
Protection of first-aiders	: If potential for exposure exists refer to Section 8 for specific personal protective equipment.
Notes to physician	: Treat symptomatically.
Most important symptoms and effects, both acute and delayed	: See Section 11 for more detailed information on health effects and symptoms.

Product AT USE DILUTION

In case of eye contact	: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.
In case of skin contact	: Wash off immediately with plenty of water for at least 15 minutes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.
If swallowed	: Rinse mouth with water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.
If inhaled	: Remove to fresh air. Treat symptomatically. Get medical attention if symptoms occur.

SECTION 5. FIRE-FIGHTING MEASURES

Product AS SOLD

Suitable extinguishing media	: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable extinguishing media	: None known.
Specific hazards during fire fighting	: Not flammable or combustible.
Hazardous combustion products	: Decomposition products may include the following materials: Carbon oxides
Special protective equipment for fire-fighters	: Use personal protective equipment.
Specific extinguishing methods	: Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire and/or explosion do not breathe fumes.

SAFETY DATA SHEET

SOLID METAL PRO

SECTION 6. ACCIDENTAL RELEASE MEASURES

Product AS SOLD

Personal precautions, protective equipment and emergency procedures : Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Avoid inhalation, ingestion and contact with skin and eyes. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed in sections 7 and 8.

Environmental precautions : Do not allow contact with soil, surface or ground water.

Methods and materials for containment and cleaning up : Sweep up and shovel into suitable containers for disposal.

Product AT USE DILUTION

Personal precautions, protective equipment and emergency procedures : Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Avoid inhalation, ingestion and contact with skin and eyes. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed in sections 7 and 8.

Environmental precautions : Do not allow contact with soil, surface or ground water.

Methods and materials for containment and cleaning up : Stop leak if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Flush away traces with water. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

SECTION 7. HANDLING AND STORAGE

Product AS SOLD

Advice on safe handling : Do not ingest. Do not get in eyes, on skin, or on clothing. Do not breathe dust/ fume/ gas/ mist/ vapors/ spray. Use only with adequate ventilation. Wash hands thoroughly after handling. In case of mechanical malfunction, or if in contact with unknown dilution of product, wear full Personal Protective Equipment (PPE).

Conditions for safe storage : Keep out of reach of children. Store in suitable labeled containers.

Storage temperature : 0 °C to 40 °C

Product AT USE DILUTION

Advice on safe handling : Do not ingest. Do not get in eyes, on skin, or on clothing. Do not breathe dust/ fume/ gas/ mist/ vapors/ spray. Use only with adequate ventilation. Wash hands thoroughly after handling. In case of mechanical malfunction, or if in contact with unknown dilution of product, wear full Personal Protective Equipment (PPE).

Conditions for safe storage : Keep out of reach of children. Store in suitable labeled containers.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Product AS SOLD

Ingredients with workplace control parameters

SAFETY DATA SHEET

SOLID METAL PRO

Contains no substances with occupational exposure limit values.

Engineering measures : Effective exhaust ventilation system. Maintain air concentrations below occupational exposure standards.

Personal protective equipment

Eye protection : Due to the form and packaging of the product, no protective equipment is needed under normal use conditions.

Hand protection : Due to the form and packaging of the product, no protective equipment is needed under normal use conditions.

Skin protection : Due to the form and packaging of the product, no protective equipment is needed under normal use conditions.

Respiratory protection : When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Wash face, hands and any exposed skin thoroughly after handling. Provide suitable facilities for quick drenching or flushing of the eyes and body in case of contact or splash hazard.

Product AT USE DILUTION

Engineering measures : Effective exhaust ventilation system. Maintain air concentrations below occupational exposure standards.

Personal protective equipment

Eye protection : Wear eye protection and/or face protection.

Hand protection : Wear the following personal protective equipment:
Standard glove type.
Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.

Skin protection : Personal protective equipment comprising: suitable protective gloves, safety goggles and protective clothing

Respiratory protection : When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

	Product AS SOLD	Product AT USE DILUTION
Appearance	: solid	liquid
Color	: off-white	colorless
Odor	: not significant	odorless
pH	: 11.5 - 12.5, (1 %)	10.9 - 11.8
Flash point	: Not applicable	
Odor Threshold	: No data available	
Melting point/freezing point	: No data available	
Initial boiling point and	: No data available	

SAFETY DATA SHEET

SOLID METAL PRO

boiling range

Evaporation rate	: No data available
Flammability (solid, gas)	: Not applicable
Upper explosion limit	: No data available
Lower explosion limit	: No data available
Vapor pressure	: No data available
Relative vapor density	: No data available
Relative density	: No data available
Water solubility	: soluble
Solubility in other solvents	: No data available
Partition coefficient: n-octanol/water	: No data available
Autoignition temperature	: No data available
Thermal decomposition	: No data available
Viscosity, kinematic	: No data available
Explosive properties	: No data available
Oxidizing properties	: The substance or mixture is not classified as oxidizing.
Molecular weight	: No data available
VOC	: No data available

SECTION 10. STABILITY AND REACTIVITY

Product AS SOLD

Reactivity	: No dangerous reaction known under conditions of normal use.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: No dangerous reaction known under conditions of normal use.
Conditions to avoid	: None known.
Incompatible materials	: Acids
Hazardous decomposition products	: In case of fire hazardous decomposition products may be produced such as: Carbon oxides

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure : Eye contact, Skin contact

Potential Health Effects

Product AS SOLD

Eyes	: Causes serious eye damage.
Skin	: Causes severe skin burns.

SAFETY DATA SHEET

SOLID METAL PRO

Ingestion : Harmful if swallowed. Causes digestive tract burns.
Inhalation : May cause nose, throat, and lung irritation.
Chronic Exposure : Health injuries are not known or expected under normal use.

Product AT USE DILUTION

Eyes : Causes serious eye damage.
Skin : Causes severe skin burns.
Ingestion : Causes digestive tract burns.
Inhalation : May cause nose, throat, and lung irritation.
Chronic Exposure : Health injuries are not known or expected under normal use.

Experience with human exposure

Product AS SOLD

Eye contact : Redness, Pain, Corrosion
Skin contact : Redness, Pain, Corrosion
Ingestion : Corrosion, Abdominal pain
Inhalation : Respiratory irritation, Cough

Product AT USE DILUTION

Eye contact : Redness, Pain, Corrosion
Skin contact : Redness, Pain, Corrosion
Ingestion : Corrosion, Abdominal pain
Inhalation : Respiratory irritation, Cough

Toxicity

Product AS SOLD

Product

Acute oral toxicity : Acute toxicity estimate : 1,194 mg/kg
Acute inhalation toxicity : No data available
Acute dermal toxicity : Acute toxicity estimate : > 5,000 mg/kg
Skin corrosion/irritation : No data available
Serious eye damage/eye irritation : No data available
Respiratory or skin sensitization : No data available
Carcinogenicity : No data available
Reproductive effects : No data available
Germ cell mutagenicity : No data available
Teratogenicity : No data available
STOT-single exposure : No data available

SAFETY DATA SHEET

SOLID METAL PRO

STOT-repeated exposure : No data available
Aspiration toxicity : No data available

SECTION 12. ECOLOGICAL INFORMATION

Product AS SOLD Ecotoxicity

Environmental Effects : This product has no known ecotoxicological effects.

Product

Toxicity to fish : No data available
Toxicity to daphnia and other aquatic invertebrates : No data available
Toxicity to algae : No data available

Components

Toxicity to fish : disodium metasilicate
96 h LC50 Fish: 210 mg/l

Sodium Carbonate
96 h LC50 Lepomis macrochirus (Bluegill sunfish): 300 mg/l

Components

Toxicity to daphnia and other aquatic invertebrates : Sodium Carbonate
48 h EC50 Ceriodaphnia (water flea): 213.5 mg/l

Persistence and degradability

Product AS SOLD
No data available

Product AT USE DILUTION
Not applicable - inorganic

Bioaccumulative potential

No data available

Mobility in soil

No data available

Other adverse effects

No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Product AS SOLD

Disposal methods : Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Dispose of wastes in an approved waste disposal facility.

Disposal considerations : Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers. Dispose of in accordance with local, state, and federal regulations.

SAFETY DATA SHEET

SOLID METAL PRO

Product AT USE DILUTION

Disposal methods : Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Dispose of wastes in an approved waste disposal facility.

Disposal considerations : Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers. Dispose of in accordance with local, state, and federal regulations.

SECTION 14. TRANSPORT INFORMATION

Product AS SOLD

The shipper/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

Land transport (DOT)

UN number : 3253
Description of the goods : Disodium trioxosilicate
Class : 8
Packing group : III
Environmentally hazardous : no

Sea transport (IMDG/IMO)

UN number : 3253
Description of the goods : DISODIUM TRIOXOSILICATE, MIXTURE
Class : 8
Packing group : III
Marine pollutant : no

SECTION 15. REGULATORY INFORMATION

Product AS SOLD

EPCRA - Emergency Planning and Community Right-to-Know

CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards : Acute toxicity (any route of exposure)
Skin corrosion or irritation
Serious eye damage or eye irritation

SARA 302 : This material does not contain any components with a section 302 EHS TPQ.

SARA 313 : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

California Prop. 65

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

SAFETY DATA SHEET

SOLID METAL PRO

California Cleaning Product Right to Know Act of 2017 (SB 258)

This regulation applies to this product.

Chemical Name	CAS-No.	Function	List(s)
disodium metasilicate	6834-92-0	Cleaning Agent	Not Applicable
water	7732-18-5	Processing Aid	Not Applicable
Sodium Carbonate	497-19-8	Cleaning Agent	Not Applicable
Acrylate polymer	Withheld	Cleaning Agent	Not Applicable
Polycarboxylate	Withheld	Cleaning Agent	Not Applicable
Carboxylate	Withheld	Cleaning Agent	Not Applicable
Nonionic surfactant	Withheld	Cleaning Agent	Not Applicable
Inorganic salt	Withheld	Cleaning Agent	Not Applicable
Dibasic Acid Salt	Withheld	Cleaning Agent	Not Applicable

*refer to ecolab.com/sds for electronic links to designated lists

The ingredients of this product are reported in the following inventories:

United States TSCA Inventory :

All substances listed as active on the TSCA inventory

Canadian Domestic Substances List (DSL) :

All components of this product are on the Canadian DSL

Australia. Australian Industrial Chemicals Introduction Scheme (AICIS) :

On the inventory, or in compliance with the inventory

New Zealand. Inventory of Chemical Substances :

not determined

Japan. ENCS - Existing and New Chemical Substances Inventory :

On the inventory, or in compliance with the inventory

Korea. Korean Existing Chemicals Inventory (KECI) :

On the inventory, or in compliance with the inventory

Philippines Inventory of Chemicals and Chemical Substances (PICCS) :

not determined

China. Inventory of Existing Chemical Substances in China (IECSC) :

On the inventory, or in compliance with the inventory

Taiwan Chemical Substance Inventory (TCSI) :

On the inventory, or in compliance with the inventory

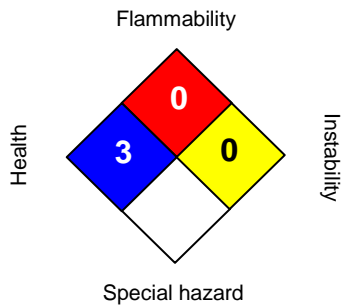
SECTION 16. OTHER INFORMATION

Product AS SOLD

SAFETY DATA SHEET

SOLID METAL PRO

NFPA:



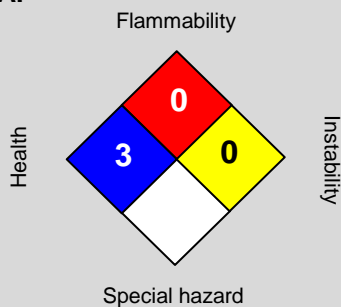
HMIS III:

HEALTH	3
FLAMMABILITY	0
PHYSICAL HAZARD	0

0 = not significant, 1 = Slight,
2 = Moderate, 3 = High
4 = Extreme, * = Chronic

Product AT USE DILUTION

NFPA:



HMIS III:

HEALTH	3
FLAMMABILITY	0
PHYSICAL HAZARD	0

0 = not significant, 1 = Slight,
2 = Moderate, 3 = High
4 = Extreme, * = Chronic

Issuing date : 01/13/2021
Version : 2.1
Prepared by : Regulatory Affairs

REVISED INFORMATION: Significant changes to regulatory or health information for this revision is indicated by a bar in the left-hand margin of the SDS.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Monsoon

CLASSIFICATION

Low Foam Pot & Pan Detergent for Recirculating Agitation Pot and Pan Sinks

PRODUCT DESCRIPTION

A stable foaming pot and pan detergent specifically designed for use in recirculating agitation pot and pan wash sinks. It combines excellent food soil removal and grease cutting action with an optimally designed sudsing profile.

USE

Consult your Ecolab Specialist for specific instructions regarding use of *Monsoon* with recirculating agitation pot and pan sinks.

For Service or additional information, call 1-800-35-CLEAN (352-5326)

PHYSICAL AND CHEMICAL PROPERTIES

PhysicalState	Liquid. [Liquid.]
Color	Yellow. [Dark]
Odor	citrus
pH	8 [Conc. (% w/w): 100%]

Compositional information:

Water	7732-18-5
Linear Alcohol (C12-C15)	68131-39-5
Decylamine Oxide	2605-79-0
Linear Alcohol (C9-C11)	68439-46-3
Lauryl dimethylamine oxide	61788-90-7

% P Formula contains no Phosphorus

PACKAGING / PRODUCT NUMBERS

Size Available	Product Number
5 U.S. gal/18.9 L	13505



SAFETY DATA SHEET

MONSOON

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : MONSOON
Other means of identification : Not applicable
Recommended use : Manual Warewashing Detergent
Restrictions on use : Reserved for industrial and professional use.

Product dilution information : 0.07 % - 0.22 %

Company : Ecolab Inc.
1 Ecolab Place
St. Paul, Minnesota USA 55102
1-800-352-5326

Emergency health information : 1-800-328-0026 (US/Canada), 1-651-222-5352 (outside US)

Issuing date : 07/14/2021

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Product AS SOLD

Eye irritation : Category 2B

Product AT USE DILUTION

Not a hazardous substance or mixture.

GHS label elements

Product AS SOLD

Signal Word : Warning

Hazard Statements : Causes eye irritation.

Precautionary Statements : **Prevention:**
Wash skin thoroughly after handling.
Response:
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/ attention.

Product AT USE DILUTION

Precautionary Statements : **Prevention:**
Wash hands thoroughly after handling.
Response:
Get medical advice/ attention if you feel unwell.
Storage:
Store in accordance with local regulations.

Product AS SOLD

Other hazards : None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

SAFETY DATA SHEET

MONSOON

Product AS SOLD

Pure substance/mixture : Mixture

Chemical name	CAS-No.	Concentration (%)
alcohols, c12-16, ethoxylated >5EO	68551-12-2	5 - 10
Dodecyldimethylamine oxide	1643-20-5	1 - 5
Alkylamineoxides	3332-27-2	1 - 5
oxirane, methyl-, polymer with oxirane	9003-11-6	1 - 5

Product AT USE DILUTION

No hazardous ingredients

SECTION 4. FIRST AID MEASURES

Product AS SOLD

- In case of eye contact : Rinse with plenty of water.
- In case of skin contact : Rinse with plenty of water.
- If swallowed : Rinse mouth. Get medical attention if symptoms occur.
- If inhaled : Get medical attention if symptoms occur.
- Protection of first-aiders : No special precautions are necessary for first aid responders.
- Notes to physician : Treat symptomatically.
- Most important symptoms and effects, both acute and delayed : See Section 11 for more detailed information on health effects and symptoms.

Product AT USE DILUTION

- In case of eye contact : Rinse with plenty of water.
- In case of skin contact : Rinse with plenty of water.
- If swallowed : Rinse mouth. Get medical attention if symptoms occur.
- If inhaled : Get medical attention if symptoms occur.

SECTION 5. FIRE-FIGHTING MEASURES

Product AS SOLD

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Unsuitable extinguishing media : None known.
- Specific hazards during fire fighting : Not flammable or combustible.
- Hazardous combustion products : Decomposition products may include the following materials:
Carbon oxides
Nitrogen oxides (NOx)

SAFETY DATA SHEET

MONSOON

Special protective equipment for fire-fighters : Use personal protective equipment.

Specific extinguishing methods : Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire and/or explosion do not breathe fumes.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Product AS SOLD

Personal precautions, protective equipment and emergency procedures : Refer to protective measures listed in sections 7 and 8.

Environmental precautions : Do not allow contact with soil, surface or ground water.

Methods and materials for containment and cleaning up : Stop leak if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Flush away traces with water. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

Product AT USE DILUTION

Personal precautions, protective equipment and emergency procedures : Refer to protective measures listed in sections 7 and 8.

Environmental precautions : No special environmental precautions required.

Methods and materials for containment and cleaning up : Stop leak if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Flush away traces with water. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

SECTION 7. HANDLING AND STORAGE

Product AS SOLD

Advice on safe handling : Wash hands thoroughly after handling. In case of mechanical malfunction, or if in contact with unknown dilution of product, wear full Personal Protective Equipment (PPE).

Conditions for safe storage : Keep out of reach of children. Store in suitable labeled containers.

Storage temperature : 5 °C to 50 °C

Product AT USE DILUTION

Advice on safe handling : Wash hands after handling. In case of mechanical malfunction, or if in contact with unknown dilution of product, wear full Personal Protective Equipment (PPE). For personal protection see section 8.

Conditions for safe storage : Keep out of reach of children. Store in suitable labeled containers.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Product AS SOLD

Ingredients with workplace control parameters

SAFETY DATA SHEET

MONSOON

Contains no substances with occupational exposure limit values.

Engineering measures : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Personal protective equipment

Eye protection : No special protective equipment required.

Hand protection : No special protective equipment required.

Skin protection : No special protective equipment required.

Respiratory protection : No personal respiratory protective equipment normally required.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.

Product AT USE DILUTION

Engineering measures : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Personal protective equipment

Eye protection : No special protective equipment required.

Hand protection : No special protective equipment required.

Skin protection : No special protective equipment required.

Respiratory protection : No personal respiratory protective equipment normally required.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

	Product AS SOLD	Product AT USE DILUTION
Appearance	: liquid	liquid
Color	: clear, dark yellow	colorless
Odor	: citrus	citrus
pH	: 7.2 - 9.0, (100 %)	6.0
Flash point	: Not applicable, Does not sustain combustion.	
Odor Threshold	: No data available	
Melting point/freezing point	: No data available	
Initial boiling point and boiling range	: 100 °C	
Evaporation rate	: No data available	
Flammability (solid, gas)	: Not applicable	
Upper explosion limit	: No data available	
Lower explosion limit	: No data available	
Vapor pressure	: No data available	
Relative vapor density	: No data available	
Relative density	: 0.988 - 1.008	

SAFETY DATA SHEET

MONSOON

Water solubility	: soluble
Solubility in other solvents	: No data available
Partition coefficient: n-octanol/water	: No data available
Autoignition temperature	: No data available
Thermal decomposition	: No data available
Viscosity, kinematic	: No data available
Explosive properties	: No data available
Oxidizing properties	: The substance or mixture is not classified as oxidizing.
Molecular weight	: No data available
VOC	: No data available

SECTION 10. STABILITY AND REACTIVITY

Product AS SOLD

Reactivity	: No dangerous reaction known under conditions of normal use.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: No dangerous reaction known under conditions of normal use.
Conditions to avoid	: None known.
Incompatible materials	: None known.
Hazardous decomposition products	: In case of fire hazardous decomposition products may be produced such as: Carbon oxides Nitrogen oxides (NO _x)

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure : Inhalation, Eye contact, Skin contact

Potential Health Effects

Product AS SOLD

Eyes	: Causes eye irritation.
Skin	: Health injuries are not known or expected under normal use.
Ingestion	: Health injuries are not known or expected under normal use.
Inhalation	: Health injuries are not known or expected under normal use.
Chronic Exposure	: Health injuries are not known or expected under normal use.

Product AT USE DILUTION

Eyes	: Health injuries are not known or expected under normal use.
Skin	: Health injuries are not known or expected under normal use.

SAFETY DATA SHEET

MONSOON

Ingestion	: Health injuries are not known or expected under normal use.
Inhalation	: Health injuries are not known or expected under normal use.
Chronic Exposure	: Health injuries are not known or expected under normal use.

Experience with human exposure

Product AS SOLD

Eye contact	: Redness, Irritation
Skin contact	: No symptoms known or expected.
Ingestion	: No symptoms known or expected.
Inhalation	: No symptoms known or expected.

Product AT USE DILUTION

Eye contact	: No symptoms known or expected.
Skin contact	: No symptoms known or expected.
Ingestion	: No symptoms known or expected.
Inhalation	: No symptoms known or expected.

Toxicity

Product AS SOLD

Product

Acute oral toxicity	: Acute toxicity estimate : > 5,000 mg/kg
Acute inhalation toxicity	: 4 h Acute toxicity estimate : > 40 mg/l Test atmosphere: vapor
Acute dermal toxicity	: Acute toxicity estimate : > 5,000 mg/kg
Skin corrosion/irritation	: No data available
Serious eye damage/eye irritation	: No data available
Respiratory or skin sensitization	: No data available
Carcinogenicity	: No data available
Reproductive effects	: No data available
Germ cell mutagenicity	: No data available
Teratogenicity	: No data available
STOT-single exposure	: No data available
STOT-repeated exposure	: No data available
Aspiration toxicity	: No data available

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Product AS SOLD

Environmental Effects	: Very toxic to aquatic life. Harmful to aquatic life with long lasting
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SAFETY DATA SHEET

MONSOON

effects.

Product AT USE DILUTION

Environmental Effects : This product has no known ecotoxicological effects.

Product AS SOLD Product

Toxicity to fish : No data available

Toxicity to daphnia and other aquatic invertebrates : No data available

Toxicity to algae : No data available

Components

Toxicity to fish : alcohols, c12-16, ethoxylated >5EO
LC50: 1.5 mg/l

Dodecyldimethylamine oxide
96 h LC50 *Lepomis macrochirus* (Bluegill sunfish): 31.8 mg/l

Alkylamineoxides
96 h LC50 *Danio rerio* (zebra fish): 2.4 mg/l

oxirane, methyl-, polymer with oxirane
96 h LC50 Fish: > 100 mg/l

Components

Toxicity to daphnia and other aquatic invertebrates : Dodecyldimethylamine oxide
48 h EC50 *Daphnia magna* (Water flea): 3.9 mg/l

Alkylamineoxides
48 h EC50 *Daphnia magna* (Water flea): 2.64 mg/l

Components

Toxicity to algae : Alkylamineoxides
72 h EC50 *Pseudokirchneriella subcapitata* (green algae): 0.266 mg/l
28 d NOEC: > 0.067 mg/l

Persistence and degradability

Product AT USE DILUTION

Readily biodegradable.

Bioaccumulative potential

No data available

Mobility in soil

No data available

Other adverse effects

No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Product AS SOLD

Disposal methods : Do not contaminate ponds, waterways or ditches with chemical or used container. Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance

SAFETY DATA SHEET

MONSOON

with local regulations. Dispose of wastes in an approved waste disposal facility.

Disposal considerations : Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers. Dispose of in accordance with local, state, and federal regulations.

Product AT USE DILUTION

Disposal methods : Diluted product can be flushed to sanitary sewer.

Disposal considerations : Dispose of in accordance with local, state, and federal regulations.

SECTION 14. TRANSPORT INFORMATION

Product AS SOLD

The shipper/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

Land transport (DOT)

Not dangerous goods

Sea transport (IMDG/IMO)

Not dangerous goods

SECTION 15. REGULATORY INFORMATION

Product AS SOLD

EPCRA - Emergency Planning and Community Right-to-Know

CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards : Acute Health Hazard

SARA 302 : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

California Cleaning Product Right to Know Act of 2017 (SB 258)

This regulation applies to this product.

Chemical Name	CAS-No.	Function	List(s)
water	7732-18-5	Diluent	Not Applicable
alcohols, c12-16, ethoxylated >5EO	68551-12-2	Cleaning Agent	Not Applicable
Dodecyldimethylamine oxide	1643-20-5	Cleaning Agent	Not Applicable

SAFETY DATA SHEET

MONSOON

oxirane, methyl-, polymer with oxirane	9003-11-6	Cleaning Agent	Not Applicable
Fragrance Ingredient(s)	Not Available	Fragrance	Not Applicable
Colorant	Withheld	Dye	Not Applicable
glutaraldehyde	111-30-8	Biocide	8, 20

*refer to ecolab.com/sds for electronic links to designated lists

The ingredients of this product are reported in the following inventories:

United States TSCA Inventory :

All substances listed as active on the TSCA inventory

Canadian Domestic Substances List (DSL) :

All components of this product are on the Canadian DSL

Australia. Australian Industrial Chemicals Introduction Scheme (AICIS) :

not determined

New Zealand. Inventory of Chemical Substances :

not determined

Japan. ENCS - Existing and New Chemical Substances Inventory :

On the inventory, or in compliance with the inventory

Korea. Korean Existing Chemicals Inventory (KECI) :

not determined

Philippines Inventory of Chemicals and Chemical Substances (PICCS) :

not determined

China. Inventory of Existing Chemical Substances in China (IECSC) :

not determined

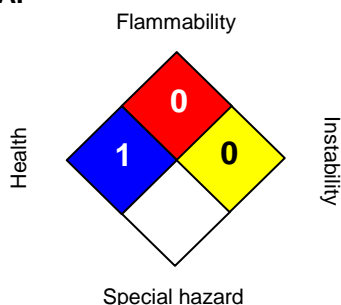
Taiwan Chemical Substance Inventory (TCSI) :

not determined

SECTION 16. OTHER INFORMATION

Product AS SOLD

NFPA:



HMIS III:

HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0

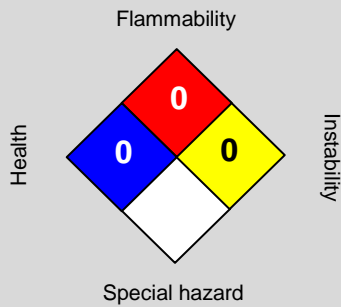
0 = not significant, 1 = Slight,
2 = Moderate, 3 = High
4 = Extreme, * = Chronic

Product AT USE DILUTION

SAFETY DATA SHEET

MONSOON

NFPA:



HMIS III:

HEALTH	0
FLAMMABILITY	0
PHYSICAL HAZARD	0

0 = not significant, 1 = Slight,
2 = Moderate, 3 = High
4 = Extreme, * = Chronic

Issuing date : 07/14/2021
Version : 1.1
Prepared by : Regulatory Affairs

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PanTastic

CLASSIFICATION

Concentrated Pot & Pan Detergent

PRODUCT DESCRIPTION

Heavy duty, nonphosphate, high sudsing liquid pot and pan detergent offers excellent grease cutting. Available in three convenient sizes with fresh citrus scent.

USE

FOR FOOD PLANT AND INDUSTRIAL USE ONLY

DO NOT MIX WITH ANYTHING BUT WATER

Presoaking: Use 2 U.S. fl. oz. of *PanTastic* per 3 U.S. gallons (5 ml/L) of warm water. Scrape off soil from pots and pans. Place items in presoak solution and let stand until soil loosens.

Pot and Pan Washing: Cookware or utensils and other surfaces subject to direct contact with food are to be thoroughly rinsed with potable water prior to reuse.

Sink One – Fill sink using 1 U.S. fl. oz. of *PanTastic* per 10 U.S. gallons (0.8 ml/L) of hot water (110°-120°F/43°-49°C). Adjust amount of product up or down according to soil loads.

Sink Two — Immerse pots and pans in clean water. Remove and let excess water run back into sink.

Sink Three — Fill sink with warm water (75°-100°F/24°-38°C). Use an appropriate Ecolab sanitizer for a sanitizing rinse, following directions on label. Let air dry. Do not wipe. Follow local health department regulations for rinsing.

Consult your Ecolab Specialist for specific use directions.

For Service or additional information, call 1-800-35-CLEAN (352-5326)

PHYSICAL AND CHEMICAL PROPERTIES

PhysicalState	Liquid. [Liquid.]
Color	Blue. [Dark]
Odor	Floral
pH	6.8 to 8.5 [Conc. (% w/w): 100]

Compositional information:

Water	7732-18-5
Coco DEA	68603-42-9
Sodium Lauryl Ether Ethoxy Sulfate	68585-34-2
Sodium Lauryl Sulfate	68585-47-7
Sodium Chloride	7647-14-5

% P Formula ingredients contain no Phosphorus

PACKAGING / PRODUCT NUMBERS

Size Available	Product Number
4 - 1 U.S. gal/3.78 L	12963
5 GAL/18.9 L	12971
9 – 32 OZ	13003



SAFETY DATA SHEET

PANTASTIC

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

- Product name PANTASTIC
- Other means of identification Not applicable
- Recommended use Manual Abrasive Detergent
- Restrictions on use Reserved for industrial and professional use.

Product dilution information 0.049 - 0.137

Company Ecolab Inc.
1 Ecolab Place
St. Paul, Minnesota 55102
1-800-352-5326

Emergency contact information 1-800-328-0026 US/Canada 1-651-222-5352 outside US

Issuing date 03/09/2023

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Product AS SOLD

Eye irritation Category 2B

Product AT USE DILUTION

Not a hazardous substance or mixture.

GHS label elements

Product AS SOLD

Signal word Warning

Hazard Statements Causes eye irritation.

Precautionary Statements **Prevention:**
 Wash hands thoroughly after handling.
Response:
 IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Product AT USE DILUTION

Precautionary Statements **Prevention:**
 Wash hands thoroughly after handling.
Response:
Get medical advice/attention if you feel unwell.
Storage:
Store in accordance with local regulations.

Product AS SOLD

Other hazards None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

SAFETY DATA SHEET

PANTASTIC

Product AS SOLD

Pure substance Mixture

Chemical name

sodium chloride
Secondary amine sulfonates
Sodium dodecyl ether sulfate
amines, coco aldimet, n-oxides

CAS-No.

7647-14-5
68439-57-6
68585-34-2
61788-90-7

Concentration (%)

5 - 10
1 - 5
1 - 5
1 - 5

Product AT USE DILUTION

No hazardous ingredients

SECTION 4. FIRST AID MEASURES

Product AS SOLD

In case of eye contact Rinse with plenty of water.

In case of skin contact Rinse with plenty of water.

Inhalation Rinse mouth. Get medical attention if symptoms occur.

Ingestion Get medical attention if symptoms occur.

Protection of first-aiders No special precautions are necessary for first aid responders.

Notes to physician Treat symptomatically.

Most important symptoms and effects, both acute and delayed See Section 11 for more detailed information on health effects and symptoms.

Product AT USE DILUTION

In case of eye contact Rinse with plenty of water.

In case of skin contact Rinse with plenty of water.

Inhalation Rinse mouth. Get medical attention if symptoms occur.

Ingestion Get medical attention if symptoms occur.

SECTION 5. FIRE-FIGHTING MEASURES

Product AS SOLD

Suitable extinguishing media Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media None known.

Specific hazards during fire fighting Not flammable or combustible.

Hazardous combustion products Decomposition products may include the following materials:
Carbon oxides
Nitrogen oxides (NO)
Sulfur oxides

SAFETY DATA SHEET

PANTASTIC

Special protective equipment for fire-fighters Use personal protective equipment.

Specific extinguishing methods Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire and/or explosion do not breathe fumes.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Product AS SOLD

Personal precautions, protective equipment and emergency procedures Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed in sections 7 and 8.

Environmental precautions Do not allow contact with soil, surface or ground water.

Methods and materials for containment and cleaning up Stop leakage if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, e.g. sand, earth, diatomaceous earth, vermiculite and place in container for disposal according to local/national regulations (see section 13) unless a trace of water. For large spills, dice spilled material or otherwise contain material to ensure runoff does not reach a waterway.

Product AT USE DILUTION

Personal precautions, protective equipment and emergency procedures Refer to protective measures listed in sections 7 and 8.

Environmental precautions No special environmental precautions required.

Methods and materials for containment and cleaning up Stop leakage if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, e.g. sand, earth, diatomaceous earth, vermiculite and place in container for disposal according to local/national regulations (see section 13) unless a trace of water. For large spills, dice spilled material or otherwise contain material to ensure runoff does not reach a waterway.

SECTION 7. HANDLING AND STORAGE

Product AS SOLD

Advice on safe handling Do not inhale after handling. In case of mechanical malfunction, or in contact with undiluted product, wear full Personal Protective Equipment (PPE) for personal protection see section 8.

Conditions for safe storage Keep out of reach of children. Store in suitable labeled containers.

Storage temperature 0 °C to 50 °C

Product AT USE DILUTION

Advice on safe handling Do not inhale after handling. In case of mechanical malfunction, or in contact with undiluted product, wear full Personal Protective Equipment (PPE) for personal protection see section 8.

Conditions for safe storage Keep out of reach of children. Store in suitable labeled containers.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

SAFETY DATA SHEET

PANTASTIC

Product AS SOLD

Ingredients with workplace control parameters

Contains no substances with occupational exposure limit values.

Engineering measures Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Personal protective equipment

Eye protection No special protective equipment required.

Hand protection No special protective equipment required.

Skin protection No special protective equipment required.

Respirator protection No personal respiratory protective equipment normally required.

Hygiene measures Handle in accordance with good industrial hygiene and safety practice.

Product AT USE DILUTION

Engineering measures Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Personal protective equipment

Eye protection No special protective equipment required.

Hand protection No special protective equipment required.

Skin protection No special protective equipment required.

Respirator protection No personal respiratory protective equipment normally required.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

	Product AS SOLD	Product AT USE DILUTION
Appearance	liquid	liquid
Color	clear, dark blue	light blue
Odor	floral	floral
ppm	7.5 - 10.0, < 100 ppm	6.64 - 7.15
Flash point	Not applicable	
Odor Threshold	No data available	
Melting point/freezing point	No data available	
Initial boiling point and boiling range	< 100 °C	
Evaporation rate	No data available	
Flammability (solid, gas)	Not applicable	
Upper explosion limit	No data available	
Lower explosion limit	No data available	
Vapor pressure	No data available	

SAFETY DATA SHEET

PANTASTIC

Relative vapor density	<input type="checkbox"/> No data available
Relative density	<input type="checkbox"/> 1.037 - 1.057
Aqueous solubility	<input type="checkbox"/> Soluble
Solubility in other solvents	<input type="checkbox"/> No data available
Partition coefficient n-octanol/water	<input type="checkbox"/> No data available
Autoignition temperature	<input type="checkbox"/> No data available
Thermal decomposition	<input type="checkbox"/> No data available
Viscosity (kinematic)	<input type="checkbox"/> No data available
Explosive properties	<input type="checkbox"/> No data available
Oxidizing properties	<input type="checkbox"/> The substance or mixture is not classified as oxidizing.
Molecular weight	<input type="checkbox"/> No data available
VOC	<input type="checkbox"/> No data available

SECTION 10. STABILITY AND REACTIVITY

Product AS SOLD

Reactivity	<input type="checkbox"/> No dangerous reaction known under conditions of normal use.
Chemical stability	<input type="checkbox"/> Stable under normal conditions.
Possibility of hazardous reactions	<input type="checkbox"/> No dangerous reaction known under conditions of normal use.
Conditions to avoid	<input type="checkbox"/> None known.
Incompatible materials	<input type="checkbox"/> None known.
Hazardous decomposition products	<input type="checkbox"/> In case of fire hazardous decomposition products may be produced: Sulfur oxides Carbon oxides Nitrogen oxides (NOx) Sulfur oxides

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure: Inhalation, Eye contact, Skin contact

Potential Health Effects

Product AS SOLD

Eyes	<input type="checkbox"/> Causes eye irritation.
Skin	<input type="checkbox"/> Health injuries are not known or expected under normal use.
Ingestion	<input type="checkbox"/> Health injuries are not known or expected under normal use.
Inhalation	<input type="checkbox"/> Health injuries are not known or expected under normal use.
Chronic Exposure	<input type="checkbox"/> Health injuries are not known or expected under normal use.

Product AT USE DILUTION

SAFETY DATA SHEET

PANTASTIC

Effes	<input type="checkbox"/> ealt injuries are not no or eected under normal use.
Sin	<input type="checkbox"/> ealt injuries are not no or eected under normal use.
Ingestion	<input type="checkbox"/> ealt injuries are not no or eected under normal use.
Inalation	<input type="checkbox"/> ealt injuries are not no or eected under normal use.
Chronic Exposure	<input type="checkbox"/> ealt injuries are not no or eected under normal use.

Experience with human exposure

Product AS SOLD

Eff contact	<input type="checkbox"/> Redness, Irritation
Sin contact	<input type="checkbox"/> No smptoms no or eected.
Ingestion	<input type="checkbox"/> No smptoms no or eected.
Inalation	<input type="checkbox"/> No smptoms no or eected.

Product AT USE DILUTION

Eff contact	<input type="checkbox"/> No smptoms no or eected.
Sin contact	<input type="checkbox"/> No smptoms no or eected.
Ingestion	<input type="checkbox"/> No smptoms no or eected.
Inalation	<input type="checkbox"/> No smptoms no or eected.

Toxicity

Product AS SOLD

Product

cute oral toicit	<input type="checkbox"/> cute toicit estimate 5,000 mgg
cute inalation toicit	<input type="checkbox"/> No data available
cute dermal toicit	<input type="checkbox"/> cute toicit estimate 5,000 mgg
Sin corrosion/irritation	<input type="checkbox"/> No data available
Serious eff damage/eff irritation	<input type="checkbox"/> No data available
Respirator or sin sensitization	<input type="checkbox"/> No data available
Carcinogenicit	<input type="checkbox"/> No data available
Reproductive effects	<input type="checkbox"/> No data available
Germ cell mutagenicit	<input type="checkbox"/> No data available
Teratogenicit	<input type="checkbox"/> No data available
STOT-single exposure	<input type="checkbox"/> No data available
STOT-repeated exposure	<input type="checkbox"/> No data available
nsiration toicit	<input type="checkbox"/> No data available

Components

SAFETY DATA SHEET

PANTASTIC

- acute inhalation toxicity
- Secondary amanesulphonates
4 LC50 Rat 52 mg/l
Test atmosphere dust/mist

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Product AS SOLD

Environmental Effects Harmful to aquatic life - it is long lasting effects. Toxic to aquatic life.

Product AT USE DILUTION

Environmental Effects This product has no known ecological effects.

Product AS SOLD

Product

Toxicity to fish No data available

Toxicity to daphnia and other aquatic invertebrates No data available

Toxicity to algae No data available

Components

Toxicity to fish

sodium chloride
96 LC50 Leomis macrochirus (Bluegill sunfish) 5,840 mg/l

Secondary amanesulphonates
96 LC50 Danio rerio (zebra fish) 4.2 mg/l

Sodium 2,2,4,4-tetrahydroxydodecyl ether sulfate
96 LC50 fish 28 mg/l

Components

Toxicity to daphnia and other aquatic invertebrates

sodium chloride
48 EC50 Daphnia magna (water flea) 4,136 mg/l

Secondary amanesulphonates
48 EC50 Ceriodaphnia dubia (water flea) 4.53 mg/l

Components

Toxicity to algae

Secondary amanesulphonates
72 EC50 Skeletonema costatum (marine diatom) 5.2 mg/l

Persistence and degradability

Product AT USE DILUTION

Not applicable - inorganic

Bioaccumulative potential

No data available

Mobility in soil

No data available

Other adverse effects

No data available

SAFETY DATA SHEET

PANTASTIC

SECTION 13. DISPOSAL CONSIDERATIONS

Product AS SOLD

Disposal methods

- Do not contaminate ponds, waterways or ditches with chemical or used container. Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose in compliance with local regulations. Dispose of wastes in an approved waste disposal facility.

Disposal considerations

- Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not reuse empty containers. Dispose of in accordance with local, state, and federal regulations.

Product AT USE DILUTION

Disposal methods

- Diluted product can be used to sanitize sewer.

Disposal considerations

- Dispose of in accordance with local, state, and federal regulations.

SECTION 14. TRANSPORT INFORMATION

Product AS SOLD

The shipper/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

Land transport (DOT)

Not dangerous goods

Sea transport (IMDG/IMO)

Not dangerous goods

SECTION 15. REGULATORY INFORMATION

Product AS SOLD

EPCRA - Emergency Planning and Community Right-to-Know

CERCLA Reportable Quantity

This material does not contain any components that are CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components that are a section 304 EHS RQ.

SARA 311/312 Hazards

- Serious eye damage or eye irritation

SARA 302

- This material does not contain any components that are a section 302 EHS TPQ.

SARA 313

- This material does not contain any chemical components that have no CAS numbers that exceed the threshold De Minimis reporting levels established by SOR Title III, Section 313.

SAFETY DATA SHEET

PANTASTIC

California Prop. 65

This product does not contain any chemicals known to the State of California to cause cancer, birth, or another reproductive defects.

California Cleaning Product Right to Know Act of 2017 (SB 258)

This regulation applies to this product.

Chemical Name	COS-No.	Function	Lists
Water	7732-18-5	Diluent	Not applicable
Secondary amine sulfonates	68439-57-6	Cleaning agent	Not applicable
sodium chloride	7647-14-5	Processing aid	
Sodium dodecyl ether sulfate	68585-34-2	Cleaning agent	Not applicable
Dodecyl dimethylamine oxide	1643-20-5	Cleaning agent	Not applicable
Anionic surfactant	Not listed	Cleaning agent	Not applicable
Nonionic surfactant	Not listed	Cleaning agent	Not applicable
Limonene	5989-27-5	Fragrance	RF
3a,4,5,6,7,7a-cis-6,8-dihydro-4,7-methano-1H-inden-6-yl propanoate	17511-60-3	Fragrance	Not applicable
3,7-dimethyloct-6-enenitrile	51566-62-2	Fragrance	Not applicable
Beta-Pinene	127-91-3	Fragrance	Not applicable
terpinolene	586-62-9	Fragrance	Not applicable
phenethyl alcohol	60-12-8	Fragrance	Not applicable
3-cyclohexene-1-methanol, alpha, alpha, 4-trimethyl-	98-55-5	Fragrance	Not applicable
mentha-1,4-diene	99-85-4	Fragrance	Not applicable
solvents additives	123-68-2	Fragrance	Not applicable
Benzene, 1-methyl-4-methyl-	99-87-6	Fragrance	Not applicable
glutaraldehyde	111-30-8	Biocide	8, 20
Colorant	Not listed	Dye	Not applicable

Refer to ecolab.com/sds or electronic links to designated lists

The ingredients of this product are reported in the following inventories:

Switzerland. New notified substances and declared preparations
not determined

United States TSCA Inventory
 All substances listed as active on the TSCA inventory

Canadian Domestic Substances List (DSL)
 All components of this product are on the Canadian DSL

Australia. Australian Industrial Chemicals Introduction Scheme (AICIS)
On the inventory or in compliance with the inventory

New Zealand. Inventory of Chemical Substances
not determined

Japan. ENCS - Existing and New Chemical Substances Inventory
On the inventory or in compliance with the inventory

Korea. Korean Existing Chemicals Inventory (KECI)
On the inventory or in compliance with the inventory

SAFETY DATA SHEET

PANTASTIC

Philippines Inventory of Chemicals and Chemical Substances (PICCS)

On the inventor's or in compliance with the inventor's

China. Inventory of Existing Chemical Substances in China (IECSC)

On the inventor's or in compliance with the inventor's

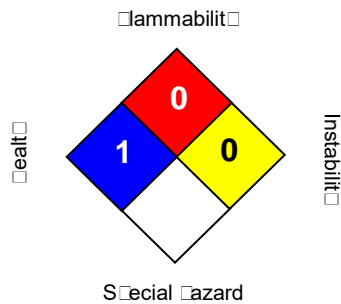
Taiwan Chemical Substance Inventory (TCSI)

On the inventor's or in compliance with the inventor's

SECTION 16. OTHER INFORMATION

Product AS SOLD

NFPA:



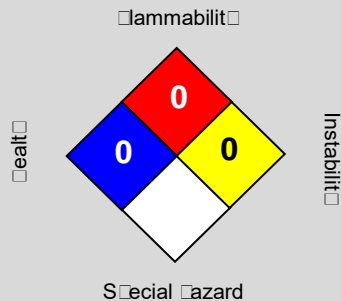
HMIS III:

HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0

0 = not significant, 1 = Slight,
2 = Moderate, 3 = Significant
4 = Extreme, ☐☐ Chronic

Product AT USE DILUTION

NFPA:



HMIS III:

HEALTH	0
FLAMMABILITY	0
PHYSICAL HAZARD	0

0 = not significant, 1 = Slight,
2 = Moderate, 3 = Significant
4 = Extreme, ☐☐ Chronic

Issuing date

03/09/2023

Version

1.4

Prepared by

Regulator's Affairs

REVISED INFORMATION: Significant changes to regulator's or health information or this revision is indicated by a bar in the left-hand margin of the SDS.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warrant or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with other materials or in an process, unless specified in the text.

Solitaire

CLASSIFICATION

Concentrated Solid Detergent for Manual Warewashing

PRODUCT DESCRIPTION

Maximum cleaning power under normal conditions and soils. Wall mounted, push button dispenser for less counter clutter. Pleasantly scented fragrance.

USE

FOR INDUSTRIAL USE ONLY
DO NOT MIX WITH ANYTHING BUT WATER

DIRECTIONS FOR USE
 Use only in an Ecolab dispenser.

- Carefully lift empty container from dispenser and turn upright to avoid spills.
- Remove cap from full container and use it to seal the empty container. Dispose of empty container immediately. Do not reuse.
- If product from empty container contacts your skin or clothing, wash off immediately.

Recommended Usage (Maximum):
 2.0 oz. / 20 US Gal (16 Drops)

For service or additional information, call 1-800-35-CLEAN (352-5326)

PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Solid
Color	Pink [Light]
Odor	Citrus
pH	8.3 [Conc. (% w/w): 1%]

Ingredients:

Water	7732-18-5
Sodium Acetate	127-09-3
Sodium Linear Alkylbenzenesulfonate	25155-30-0
Cocoamidopropyl dimethylamine Oxide	68155-09-9
Polyethylene Glycol	25322-68-2
Lauramide MEA	142-78-9
Alkyl Ethoxylate Sulfuric Acid, Sodium Salt	68585-34-2
Ethanol	64-17-5

% P Formula ingredients contain no phosphorus

PACKAGING / PRODUCT NUMBERS

Size Available	Product Number
2 - 5 lb (2.27 kg)	10884
4 - 5 lb (2.27 kg)	17301

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

- Product name SOLITAIRE
- Other means of identification Not applicable
- Recommended use Manual Abrasive Detergent
- Restrictions on use Reserved for industrial and professional use.

Product dilution information 0.03 - 0.08

Company Ecolab Inc.
1 Ecolab Place
St. Paul, Minnesota US 55102
1-800-352-5326

Emergency contact information 1-800-328-0026 US/Canada 1-651-222-5352 outside US

Issuing date 02/10/2023

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Product AS SOLD

- Skin irritation Category 2
- Eye irritation Category 2B
- Specific target organ toxicity - repeated exposure (Oral) Category 2

Product AT USE DILUTION

Not a hazardous substance or mixture.

GHS label elements

Product AS SOLD

Hazard pictograms



Signal word Warning

Hazard Statements Causes skin and eye irritation. May cause damage to organs through prolonged or repeated exposure if swallowed.

Precautionary Statements **Prevention:** Do not breathe dust. Wash thoroughly after handling. Wear protective gloves.
Response: IF ON SKIN: Wash thoroughly with soap and water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention if you feel unwell. If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take

SAFETY DATA SHEET

SOLITAIRE

o contaminated clothing and wash before reuse.

Disposal:

Dispose of contents of container to an approved waste disposal plant.

Product AT USE DILUTION

Precautionary Statements

Prevention:

Wash hands thoroughly after handling.

Response:

Get medical advice/attention if you feel unwell.

Storage:

Store in accordance with local regulations.

Product AS SOLD

Other hazards

None n.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Product AS SOLD

Pure substance/mixture

Mixture

Chemical name

CAS-No.

Concentration (%)

Dodecylbenzenesulfonic acid, sodium salt

25155-30-0

30 - 60

Polylethylene Glycol

25322-68-3

10 - 30

dodecanamide, n-2-dodecyltetra-

142-78-9

10 - 30

amidic, coco, N-3-dimethylaminopropyl-N-oxides

68155-09-9

5 - 10

acetic acid, sodium salt

127-09-3

5 - 10

Sodium polyethylenedodecyl ether sulfate

68585-34-2

5 - 10

ethanol

64-17-5

1 - 5

Sodium dodecylsulfate

7681-38-1

1 - 5

Product AT USE DILUTION

No hazardous ingredients

SECTION 4. FIRST AID MEASURES

Product AS SOLD

In case of eye contact

Rinse with plenty of water.

In case of skin contact

Wash immediately with plenty of water for at least 15 minutes. Use a mild soap if available. Get medical attention if irritation develops and persists.

If swallowed

Rinse mouth. Get medical attention if symptoms occur.

Inhaled

Get medical attention if symptoms occur.

Protection of first-aiders

No special precautions are necessary for first aid responders.

Notes to physician

Treat symptomatically

Most important symptoms and effects, both acute and delayed

See Section 11 for more detailed information on health effects and symptoms.

Product AT USE DILUTION

In case of eye contact

Rinse with plenty of water.

SAFETY DATA SHEET

SOLITAIRE

- | | |
|-------------------------|---|
| In case of skin contact | □ Rinse with plenty of water. |
| If swallowed | □ Rinse mouth. Get medical attention if symptoms occur. |
| If inhaled | □ Get medical attention if symptoms occur. |

SECTION 5. FIRE-FIGHTING MEASURES

Product AS SOLD

- | | |
|---|---|
| Suitable extinguishing media | □ Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. |
| Insuitable extinguishing media | □ None known. |
| Specific hazards during firefighting | □ Not flammable or combustible. |
| Hazardous combustion products | □ Decomposition products may include the following materials:
Carbon oxides
Nitrogen oxides (NOx)
Sulfur oxides |
| Special protective equipment for firefighters | □ Use personal protective equipment. |
| Specific extinguishing methods | □ Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire and/or explosion do not breathe fumes. |

SECTION 6. ACCIDENTAL RELEASE MEASURES

Product AS SOLD

- | | |
|---|--|
| Personal precautions, protective equipment and emergency procedures | □ Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed in sections 7 and 8. |
| Environmental precautions | □ Do not allow contact with soil, surface or ground water. |
| Methods and materials for containment and cleaning up | □ Sweep up and shovel into suitable containers for disposal. |

Product AT USE DILUTION

- | | |
|---|---|
| Personal precautions, protective equipment and emergency procedures | □ Refer to protective measures listed in sections 7 and 8. |
| Environmental precautions | □ No special environmental precautions required. |
| Methods and materials for containment and cleaning up | □ Stop leakage if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, e.g. sand, earth, diatomaceous earth, vermiculite and place in container for disposal according to local/national regulations (see section 13) or large spills, dilute spilled material or otherwise contain material to ensure runoff does not reach a waterway. Do not flush into surface water or sewer system. |

SAFETY DATA SHEET

SOLITAIRE

SECTION 7. HANDLING AND STORAGE

Product AS SOLD

Advice on safe handling Avoid contact with skin and eyes. Wash hands thoroughly after handling. In case of mechanical malfunction, or in contact with unknown dilution of product, wear full Personal Protective Equipment (PPE)

Conditions for safe storage Keep out of reach of children. Store in suitable labeled containers.

Storage temperature 0 °C to 50 °C

Product AT USE DILUTION

Advice on safe handling Wash hands after handling. In case of mechanical malfunction, or in contact with unknown dilution of product, wear full Personal Protective Equipment (PPE) or personal protection see section 8.

Conditions for safe storage Keep out of reach of children. Store in suitable labeled containers.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Product AS SOLD

Ingredients with workplace control parameters

Components	COS-No.	Form of exposure	Permissible concentration	Basis
Polyethylene Glycol	25322-68-3	T, I, Aerosol	10 mg/m ³	OS, EEL
ethanol	64-17-5	T, I	1,000 ppm 1,900 mg/m ³	NIOSH REL
		T, I	1,000 ppm 1,900 mg/m ³	OS, Z-1

Engineering measures Effective exhaust ventilation system. Maintain air concentrations below occupational exposure standards.

Personal protective equipment

Eye protection No special protective equipment required.

Hand protection Due to the form and packaging of the product, no protective equipment is needed under normal use conditions.

Skin protection No special protective equipment required.

Respirator protection No personal respirator protective equipment normally required.

Hygiene measures Handle in accordance with good industrial hygiene and safety practice. Wash face, hands and any exposed skin thoroughly after handling.

Product AT USE DILUTION

Engineering measures Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Personal protective equipment

Eye protection No special protective equipment required.

SAFETY DATA SHEET

SOLITAIRE

Hand Protection	No special protective equipment required.
Skin Protection	No special protective equipment required.
Respirator Protection	No personal respiratory protective equipment normally required.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

	Product AS SOLD	Product AT USE DILUTION
Appearance	Cast Solid	liquid
Color	opaque, light tan	colorless
Odor	citrus	citrus
pH	7.0 - 9.0, 1	7.0 - 8.0
Flash Point	Not applicable	
Odor Threshold	No data available	
Melting Point/Freezing Point	No data available	
Initial boiling point and boiling range	No data available	
Evaporation rate	No data available	
Flammability (solid, gas)	Not applicable	
Upper explosion limit	No data available	
Lower explosion limit	No data available	
Vapor Pressure	No data available	
Relative vapor density	No data available	
Relative density	No data available	
Water solubility	insoluble	
Solubility in other solvents	No data available	
Partition coefficient n-octanol/water	No data available	
Autoignition temperature	No data available	
Thermal decomposition	No data available	
Viscosity (kinematic)	No data available	
Explosive properties	No data available	
Oxidizing properties	No data available	
Molecular weight	No data available	
VOC	No data available	

SECTION 10. STABILITY AND REACTIVITY

Product AS SOLD	
Reactivity	No dangerous reaction known under conditions of normal use.
Chemical stability	Stable under normal conditions.
Possibility of hazardous	No dangerous reaction known under conditions of normal use.

SAFETY DATA SHEET

SOLITAIRE

reactions

Conditions to avoid None n.

Incompatible materials None n.

Hazardous decomposition products Decomposition products may include the following materials:
Carbon oxides
Nitrogen oxides (NO_x)
Sulfur oxides

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of Eye contact, Skin contact
exposure

Potential Health Effects

Product AS SOLD

Eyes Causes eye irritation.

Skin Causes skin irritation.

Ingestion Acute injuries are not n or expected under normal use.

Inhalation Acute injuries are not n or expected under normal use.

Chronic Exposure May cause damage to organs through prolonged or repeated exposure.

Product AT USE DILUTION

Eyes Acute injuries are not n or expected under normal use.

Skin Acute injuries are not n or expected under normal use.

Ingestion Acute injuries are not n or expected under normal use.

Inhalation Acute injuries are not n or expected under normal use.

Chronic Exposure Acute injuries are not n or expected under normal use.

Experience with human exposure

Product AS SOLD

Eye contact Redness, Irritation

Skin contact Redness, Irritation

Ingestion No symptoms n or expected.

Inhalation No symptoms n or expected.

Product AT USE DILUTION

Eye contact No symptoms n or expected.

Skin contact No symptoms n or expected.

Ingestion No symptoms n or expected.

SAFETY DATA SHEET

SOLITAIRE

Inhalation No symptoms shown or expected.

Toxicity

Product AS SOLD

Product

- | | |
|--|---|
| <input type="checkbox"/> acute oral toxicity | <input type="checkbox"/> acute toxicity estimate 2,314 mg/kg |
| <input type="checkbox"/> acute inhalation toxicity | <input type="checkbox"/> 4 <input type="checkbox"/> acute toxicity estimate 97.39 mg/l
Test atmosphere dust/mist |
| <input type="checkbox"/> acute dermal toxicity | <input type="checkbox"/> acute toxicity estimate 5,000 mg/kg |
| <input type="checkbox"/> skin corrosion/irritation | <input type="checkbox"/> No data available |
| <input type="checkbox"/> serious eye damage/eye irritation | <input type="checkbox"/> Mild eye irritation |
| <input type="checkbox"/> Respirator or skin sensitization | <input type="checkbox"/> No data available |
| <input type="checkbox"/> Carcinogenicity | <input type="checkbox"/> No data available |
| <input type="checkbox"/> Reproductive effects | <input type="checkbox"/> No data available |
| <input type="checkbox"/> Germ cell mutagenicity | <input type="checkbox"/> No data available |
| <input type="checkbox"/> Teratogenicity | <input type="checkbox"/> No data available |
| <input type="checkbox"/> STOT-single exposure | <input type="checkbox"/> No data available |
| <input type="checkbox"/> STOT-repeated exposure | <input type="checkbox"/> No data available |
| <input type="checkbox"/> Irritation to skin | <input type="checkbox"/> No data available |

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Product AS SOLD

Environmental Effects Toxic to aquatic life.

Product AT USE DILUTION

Environmental Effects This product has no known ecotoxicological effects.

Product AS SOLD

Product

- | | |
|--|--|
| <input type="checkbox"/> Toxicity to fish | <input type="checkbox"/> No data available |
| <input type="checkbox"/> Toxicity to daphnia and other aquatic invertebrates | <input type="checkbox"/> No data available |
| <input type="checkbox"/> Toxicity to algae | <input type="checkbox"/> No data available |

Components

- | | |
|---|---|
| <input type="checkbox"/> Toxicity to fish | <input type="checkbox"/> Dodecylbenzenesulfonic acid, sodium salt
96 <input type="checkbox"/> LC50 is 3.2 mg/l |
| | Polylethylene Glycol
96 <input type="checkbox"/> LC50 is 1,000 mg/l |
| | dodecanamide, n-2-hydroxyethyl
96 <input type="checkbox"/> LC50 is 100 mg/l |
| | imides, coco, N-3-dimethylaminopropyl, N-oxides
96 <input type="checkbox"/> LC50 Leuciscus idus (Golden oriole) 5.9 mg/l |

SAFETY DATA SHEET

SOLITAIRE

acetic acid, sodium salt
96 % LC50 100 mg/l

Sodium hexadecyl ether sulfate
96 % LC50 28 mg/l

ethanol
96 % LC50 Pimeales 100 mg/l

Sodium dodecyl sulfate
96 % LC50 7,960 mg/l

Components

Toxic to daphnia and other aquatic invertebrates
Amides, coco, N-(3-dimethylamino)propyl, N-oxides
48 % EC50 Daphnia magna 46 mg/l

ethanol
48 % EC50 Aquatic Invertebrate 857 mg/l

Components

Toxic to algae
Amides, coco, N-(3-dimethylamino)propyl, N-oxides
72 % EC50 500 mg/l

Persistence and degradability

Product AT USE DILUTION

Readily biodegradable.

Bioaccumulative potential

No data available

Mobility in soil

No data available

Other adverse effects

No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Product AS SOLD

Disposal methods
Do not contaminate ponds, waterways or ditches with chemical or used container. Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose in compliance with local regulations. Dispose wastes in an approved waste disposal facility.

Disposal considerations
Dispose as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not reuse empty containers. Dispose in accordance with local, state, and federal regulations.

Product AT USE DILUTION

Disposal methods
Diluted product can be flushed to sanitary sewer.

Disposal considerations
Dispose in accordance with local, state, and federal regulations.

SECTION 14. TRANSPORT INFORMATION

SAFETY DATA SHEET

SOLITAIRE

Product AS SOLD

The supplier/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

Sea transport (IMDG/IMO)

Not dangerous goods

SECTION 15. REGULATORY INFORMATION

Product AS SOLD

EPCRA - Emergency Planning and Community Right-to-Know

CERCLA Reportable Quantity

Components	COS-No.	Component RQ (lbs)	Calculated Product RQ (lbs)
Dodecylbenzenesulfonic acid, sodium salt	25155-30-0	1000	2941

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components in a section 304 EHS RQ.

SARA 311/312 Hazards

- Specific target organ toxicity - single or repeated exposure
- Skin corrosion or irritation
- Serious eye damage or eye irritation

SARA 302

- This material does not contain any components in a section 302 EHS TPQ.

SARA 313

- This material does not contain any chemical components in any of the COS numbers that exceed the threshold De Minimis reporting levels established by SOR Title III, Section 313.

California Prop. 65

This product does not contain any chemicals known to the State of California to cause cancer, birth, or another reproductive defects.

California Cleaning Product Right to Know Act of 2017 (SB 258)

This regulation applies to this product.

Chemical Name	COS-No.	Function	List(s)
Dodecylbenzenesulfonic acid, sodium salt	25155-30-0	Cleaning agent	Not applicable
Polylethylene Glycol	25322-68-3	Cleaning agent	Not applicable
dodecanamide, n-(2-hydroxyethyl)	142-78-9	Cleaning agent	Not applicable
Amides, coco, N-(3-dimethylaminopropyl) N-oxides	68155-09-9	Cleaning agent	Not applicable
Water	7732-18-5	Cleaning agent	Not applicable
acetic acid, sodium salt	127-09-3	Cleaning agent	Not applicable
Sodium polyacrylate dodecyl ether sulfate	68585-34-2	Cleaning agent	Not applicable
ethanol	64-17-5	Biocide	Not applicable

SAFETY DATA SHEET

SOLITAIRE

Polymers	Identified	Processing Aid	Not Applicable
Substituted aliphatic amine	Identified	Processing Aid	Not Applicable
Sodium hydroxide	1310-73-2	Stabilizer	20
nonionic surfactant	Identified	Processing Aid	Not Applicable
Phthalic acid ester	Identified	Processing Aid	Not Applicable
Peroxides	Identified	Biocide	Not Applicable
Diamine	Identified	Cleaning Agent	Not Applicable
sodium sulfate	7757-82-6	Cleaning Agent	20
Silicone	Identified	Processing Aid	Not Applicable
Colorant	Identified	Processing Aid	Not Applicable
Silicon-containing polymer	Identified	Processing Aid	Not Applicable
Silicone	Identified	Processing Aid	Not Applicable
Substituted phenol	Identified	Processing Aid	Not Applicable
2-methylpropan-2-ol	75-65-0	Fragrance	16

Refer to ecolab.com/sds or electronic links to designated lists

The ingredients of this product are reported in the following inventories:

United States TSCA Inventory

All substances listed as active on the TSCA inventory

Canadian Domestic Substances List (DSL)

All components of this product are on the Canadian DSL

Australia. Australian Industrial Chemicals Introduction Scheme (AICIS)

On the inventory, or in compliance with the inventory

New Zealand. Inventory of Chemical Substances

On the inventory, or in compliance with the inventory

Japan. ENCS - Existing and New Chemical Substances Inventory

On the inventory, or in compliance with the inventory

Korea. Korean Existing Chemicals Inventory (KECI)

On the inventory, or in compliance with the inventory

Philippines Inventory of Chemicals and Chemical Substances (PICCS)

On the inventory, or in compliance with the inventory

China. Inventory of Existing Chemical Substances in China (IECSC)

On the inventory, or in compliance with the inventory

Taiwan Chemical Substance Inventory (TCSI)

not determined

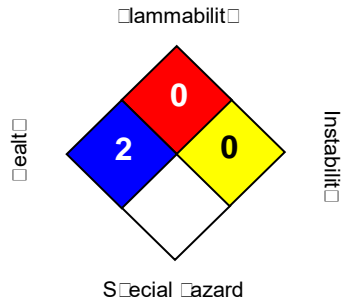
SECTION 16. OTHER INFORMATION

Product AS SOLD

SAFETY DATA SHEET

SOLITAIRE

NFPA:



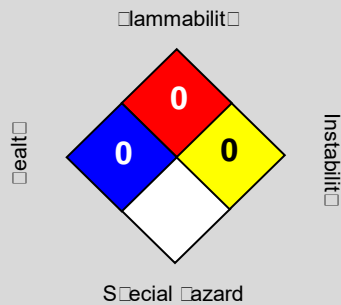
HMIS III:

HEALTH	2*
FLAMMABILITY	0
PHYSICAL HAZARD	0

0 not significant, 1 Slight, 2 Moderate, 3 Significant, 4 Extreme, 0 Chronic

Product AT USE DILUTION

NFPA:



HMIS III:

HEALTH	0
FLAMMABILITY	0
PHYSICAL HAZARD	0

0 not significant, 1 Slight, 2 Moderate, 3 Significant, 4 Extreme, 0 Chronic

Issuing date

02/10/2023

Version

2.0

Prepared by

Regulatory Affairs

REVISED INFORMATION Significant changes to regulatory or health information for this revision is indicated by a bar in the left-hand margin of the SDS.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warrant or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with other materials or in any process, unless specified in the text.

TRUPOWER Dishmachine Detergent All Purpose

CLASSIFICATION

Concentrated Liquid Dish Machine Detergent

PRODUCT DESCRIPTION

High-alkaline formula designed to remove tough grease and starch food soils. water-conditioning and soil-suspending agents promote efficient cleaning and provide excellent results.

USE

FOR INDUSTRIAL USE ONLY - NOT FOR HOUSEHOLD USE

Do not store in food processing areas

TRUPOWER Dishmachine Detergent All Purpose is a concentrated dish machine detergent safe for use on institutional china, glassware, stainless steel and plasticware. Not recommended for use with silver, aluminum, or other soft metals.

Avoid food contamination during application and storage.

Rinse surfaces thoroughly with potable water after use

Use only with Dispensing Systems.

The dispensing rate is set on-site by an Ecolab specialist and may vary depending on water conditions, ware types, machine type etc.

Use Amount

Light: 5 drops

Medium: 10 drops

Heavy: 15 drops

Consult your Ecolab Specialist or call 1-800-35 CLEAN (352-5326) for specific use directions, service, or additional information.

PHYSICAL & CHEMICAL PROPERTIES

Appearance:	Liquid
Color:	Translucent, Amber
Odor:	Slight
pH:	12.5 – 14.0 (100%)

Contains:

Water	7732-18-5
Sodium Hydroxide	1310-73-2
Sodium Bisulfite	7631-90-5

PACKAGING & PRODUCT NUMBERS

Size	Product Number
4 - 1 U.S. Gal / 3.78 L	6113326
5 U.S. Gal / 18.9 L	6112716

TRUPOWER DISHMACHINE DETERGENT ALL PURPOSE

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name TRUPOWER DISHMACHINE DETERGENT ALL PURPOSE

Other means of identification Not applicable

Recommended use Detergent

Restrictions on use Reserved for industrial and professional use.

Product dilution information 0.08 - 0.2

Company Ecolab Inc.
1 Ecolab Place
St. Paul, Minnesota US 55102
1-800-352-5326

Emergency contact information 1-800-328-0026 (US/Canada) 1-651-222-5352 (outside US)

Issuing date 11/07/2023

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Product AS SOLD

Skin corrosion Category 1
Serious eye damage Category 1

Product AT USE DILUTION

Skin corrosion Category 1
Serious eye damage Category 1

GHS label elements

Product AS SOLD

Hazard pictograms



Signal word Danger

Hazard Statements Causes severe skin burns and eye damage.

Precautionary Statements **Prevention:**

Use only in a well-ventilated area. Wear protective gloves, protective clothing, eye protection, face protection.

Response:

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN or hair: Take off immediately all contaminated clothing. Rinse skin with water thoroughly. IF INhaled: Remove person to fresh air and see comfortable for breathing. Immediately call a POISON CENTER or doctor. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor. Use only contaminated clothing before reuse.

SAFETY DATA SHEET

TRUPOWER DISHMACHINE DETERGENT ALL PURPOSE

Storage:

Store locked up.

Disposal:

Dispose of contents/container to an approved waste disposal plant.

Product AT USE DILUTION

Hazard pictograms



Signal word

Danger

Hazard Statements

Causes severe skin burns and eye damage.

Precautionary Statements

Prevention:

Wash thoroughly after handling. Wear protective gloves, protective clothing, eye protection, face protection.

Response:

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. **IF ON SKIN OR CLOTHING:** Take off immediately all contaminated clothing. Rinse skin with water copiously. **IF IN EYES:** Remove person to fresh air and see comfortable for breathing. Immediately call a POISON CENTER or doctor. **IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor. Do not reuse contaminated clothing before reuse.

Storage:

Store locked up.

Disposal:

Dispose of contents/container to an approved waste disposal plant.

Product AS SOLD

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Product AS SOLD

Pure substance

Mixture

Chemical name

Sodium hydroxide

sodium bisulfite

CAS-No.

1310-73-2

7631-90-5

Concentration (%)

10 - 30

1 - 5

Product AT USE DILUTION

No hazardous ingredients

SECTION 4. FIRST AID MEASURES

Product AS SOLD

In case of eye contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.

In case of skin contact

Wash immediately with plenty of water for at least 15 minutes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.

SAFETY DATA SHEET

TRUPOWER DISHMACHINE DETERGENT ALL PURPOSE

Inhalation	<input type="checkbox"/> Rinse mouth with water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.
Ingestion	<input type="checkbox"/> Remove to fresh air. Treat symptomatically. Get medical attention if symptoms occur.
Protection of first-aiders	<input type="checkbox"/> Potential for exposure exists refer to Section 8 for specific personal protective equipment.
Notes to physician	<input type="checkbox"/> Treat symptomatically.
Most important symptoms and effects, both acute and delayed	<input type="checkbox"/> See Section 11 for more detailed information on health effects and symptoms.

Product AT USE DILUTION

In case of eye contact	<input type="checkbox"/> Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.
In case of skin contact	<input type="checkbox"/> Wash immediately with plenty of water for at least 15 minutes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.
Inhalation	<input type="checkbox"/> Rinse mouth with water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.
Ingestion	<input type="checkbox"/> Remove to fresh air. Treat symptomatically. Get medical attention if symptoms occur.

SECTION 5. FIRE-FIGHTING MEASURES

Product AS SOLD

Suitable extinguishing media	<input type="checkbox"/> Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable extinguishing media	<input type="checkbox"/> None known.
Specific hazards during firefighting	<input type="checkbox"/> Not flammable or combustible.
Hazardous combustion products	<input type="checkbox"/> Decomposition products may include the following materials: Carbon oxides Sulfur oxides
Special protective equipment for firefighters	<input type="checkbox"/> Use personal protective equipment.
Specific extinguishing methods	<input type="checkbox"/> Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire and/or explosion do not breathe fumes.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Product AS SOLD

SAFETY DATA SHEET

TRUPOWER DISHMACHINE DETERGENT ALL PURPOSE

Personal precautions,
protective equipment and
emergency procedures

Ensure adequate ventilation. See the label a safe from and avoid of spillage. Avoid inhalation, ingestion and contact with skin and eyes. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed in sections 7 and 8.

Environmental precautions

Do not allow contact with soil, surface or ground water.

Methods and materials for
containment and cleaning up

Stop leakage if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, e.g. sand, earth, diatomaceous earth, vermiculite and place in container for disposal according to local national regulations (see section 13) unless a small traces of water. For large spills, dice spilled material or otherwise contain material to ensure runoff does not reach a waterway.

Product AT USE DILUTION

Personal precautions,
protective equipment and
emergency procedures

Ensure adequate ventilation. See the label a safe from and avoid of spillage. Avoid inhalation, ingestion and contact with skin and eyes. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed in sections 7 and 8.

Environmental precautions

Do not allow contact with soil, surface or ground water.

Methods and materials for
containment and cleaning up

Stop leakage if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, e.g. sand, earth, diatomaceous earth, vermiculite and place in container for disposal according to local national regulations (see section 13) unless a small traces of water. For large spills, dice spilled material or otherwise contain material to ensure runoff does not reach a waterway.

SECTION 7. HANDLING AND STORAGE

Product AS SOLD

Advice on safe handling

Do not ingest. Do not get in eyes, on skin, or on clothing. Do not breathe dust, fume, gas, mist, vapors or spray. Use only with adequate ventilation. Wash hands thoroughly after handling. In case of mechanical malfunction, or skin contact with undiluted product, wear full Personal Protective Equipment (PPE).

Conditions for safe storage

Do not store near acids. Keep out of reach of children. Store in suitable labeled containers.

Storage temperature

0 °C to 50 °C

Product AT USE DILUTION

Advice on safe handling

Do not ingest. Do not get in eyes, on skin, or on clothing. Do not breathe dust, fume, gas, mist, vapors or spray. Use only with adequate ventilation. Wash hands thoroughly after handling. In case of mechanical malfunction, or skin contact with undiluted product, wear full Personal Protective Equipment (PPE).

Conditions for safe storage

Keep out of reach of children. Store in suitable labeled containers.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Product AS SOLD

SAFETY DATA SHEET

TRUPOWER DISHMACHINE DETERGENT ALL PURPOSE

Ingredients with workplace control parameters

Components	COS-No.	Form of exposure	Permissible concentration	Basis
sodium hydroxide	1310-73-2	Ceiling	2 mg/m ³	CGI
		Ceiling	2 mg/m ³	NIOSH REL
		TWA	2 mg/m ³	OSHA Z1
sodium bisulfite	7631-90-5	TWA	5 mg/m ³	CGI
		TWA	5 mg/m ³	NIOSH REL

Engineering measures Effective exhaust ventilation system. Maintain air concentrations below occupational exposure standards.

Personal protective equipment

Eye protection Ear eye protection and/or face protection.

Hand protection Ear the following personal protective equipment
Standard glove type.
Gloves should be discarded and replaced if there is an indication of degradation or chemical breakthrough.

Skin protection Personal protective equipment comprising suitable protective gloves, safety goggles and protective clothing

Respiratory protection When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Hygiene measures Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use.
Wash face, hands and any exposed skin thoroughly after handling. Provide suitable facilities for quick drenching or flushing of the eyes and body in case of contact or splash hazard.

Product AT USE DILUTION

Engineering measures Effective exhaust ventilation system. Maintain air concentrations below occupational exposure standards.

Personal protective equipment

Eye protection Ear eye protection and/or face protection.

Hand protection Ear the following personal protective equipment
Standard glove type.
Gloves should be discarded and replaced if there is an indication of degradation or chemical breakthrough.

Skin protection Personal protective equipment comprising suitable protective gloves, safety goggles and protective clothing

Respiratory protection When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Product AS SOLD
liquid

Product AT USE DILUTION
liquid

SAFETY DATA SHEET

TRUPOWER DISHMACHINE DETERGENT ALL PURPOSE

Color	<input type="checkbox"/> translucent, amber	colorless
Odor	<input type="checkbox"/> slight	odorless
<input type="checkbox"/> Flash point	<input type="checkbox"/> 12.5 - 14.0, <input type="checkbox"/> 100 <input type="checkbox"/>	11.0 - 12.1
<input type="checkbox"/> Class point	<input type="checkbox"/> Not applicable, Does not sustain combustion.	
Odor Threshold	<input type="checkbox"/> No data available	
Melting point/Freezing point	<input type="checkbox"/> No data available	
Initial boiling point and boiling range	<input type="checkbox"/> 100 °C	
Evaporation rate	<input type="checkbox"/> No data available	
<input type="checkbox"/> Flammability (solid, gas)	<input type="checkbox"/> Not applicable	
<input type="checkbox"/> Upper explosion limit	<input type="checkbox"/> No data available	
Lower explosion limit	<input type="checkbox"/> No data available	
Vapor pressure	<input type="checkbox"/> No data available	
Relative vapor density	<input type="checkbox"/> No data available	
Relative density	<input type="checkbox"/> 1.26 - 1.32	
<input type="checkbox"/> Water solubility	<input type="checkbox"/> soluble	
Solubility in other solvents	<input type="checkbox"/> No data available	
Partition coefficient n-octanol/water	<input type="checkbox"/> No data available	
<input type="checkbox"/> Autoignition temperature	<input type="checkbox"/> No data available	
Thermal decomposition	<input type="checkbox"/> No data available	
Viscosity (dynamic)	<input type="checkbox"/> No data available	
Explosive properties	<input type="checkbox"/> No data available	
Oxidizing properties	<input type="checkbox"/> The substance or mixture is not classified as oxidizing.	
Molecular weight	<input type="checkbox"/> No data available	
VOC	<input type="checkbox"/> No data available	

SECTION 10. STABILITY AND REACTIVITY

Product AS SOLD

Reactivity	<input type="checkbox"/> No dangerous reaction (no) under conditions of normal use.
Chemical stability	<input type="checkbox"/> Stable under normal conditions.
Possibility of hazardous reactions	<input type="checkbox"/> No dangerous reaction (no) under conditions of normal use.
Conditions to avoid	<input type="checkbox"/> None (no).
Incompatible materials	<input type="checkbox"/> Acids
Hazardous decomposition products	<input type="checkbox"/> In case of fire hazardous decomposition products may be produced such as: Carbon oxides Sulfur oxides

SECTION 11. TOXICOLOGICAL INFORMATION

SAFETY DATA SHEET

TRUPOWER DISHMACHINE DETERGENT ALL PURPOSE

Information on likely routes of exposure: Inhalation, Eye contact, Skin contact

Potential Health Effects

Product AS SOLD

- Eye contact Causes serious eye damage.
- Skin contact Causes severe skin burns.
- Ingestion Causes digestive tract burns.
- Inhalation May cause nose, throat, and lung irritation.
- Chronic Exposure Health injuries are not known or expected under normal use.

Product AT USE DILUTION

- Eye contact Causes serious eye damage.
- Skin contact Causes severe skin burns.
- Ingestion Causes digestive tract burns.
- Inhalation May cause nose, throat, and lung irritation.
- Chronic Exposure Health injuries are not known or expected under normal use.

Experience with human exposure

Product AS SOLD

- Eye contact Redness, Pain, Corrosion
- Skin contact Redness, Pain, Corrosion
- Ingestion Corrosion, abdominal pain
- Inhalation Respiratory irritation, Cough

Product AT USE DILUTION

- Eye contact Redness, Pain, Corrosion
- Skin contact Redness, Pain, Corrosion
- Ingestion Corrosion, abdominal pain
- Inhalation Respiratory irritation, Cough

Toxicity

Product AS SOLD

Product

- Acute oral toxicity Acute toxicity estimate $\leq 5,000$ mg/kg
- Acute inhalation toxicity No data available
- Acute dermal toxicity No data available
- Skin corrosion/irritation No data available

SAFETY DATA SHEET

TRUPOWER DISHMACHINE DETERGENT ALL PURPOSE

- Serious eye damage/eye irritation No data available
- Respirator or skin sensitization No data available
- Carcinogenicity No data available
- Reproductive effects No data available
- Germ cell mutagenicity No data available
- Teratogenicity No data available
- STOT-single exposure No data available
- STOT-repeated exposure No data available
- Aspiration toxicity No data available

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Product AS SOLD

Environmental Effects This product has no known ecotoxicological effects.

Product AT USE DILUTION

Environmental Effects This product has no known ecotoxicological effects.

Product AS SOLD

Product

- Toxicity to fish No data available
- Toxicity to daphnia and other aquatic invertebrates No data available
- Toxicity to algae No data available

Components

Toxicity to fish sodium bisulfite
96 h LC50 fish 177.8 mg/l

Components

Toxicity to daphnia and other aquatic invertebrates Sodium hydroxide
48 h EC50 Daphnia magna water test 40 mg/l

Persistence and degradability

Product AT USE DILUTION

Not applicable - inorganic

Bioaccumulative potential

No data available

Mobility in soil

No data available

Other adverse effects

No data available

SECTION 13. DISPOSAL CONSIDERATIONS

SAFETY DATA SHEET

TRUPOWER DISHMACHINE DETERGENT ALL PURPOSE

Product AS SOLD

Disposal methods Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose in compliance with local regulations. Dispose of wastes in an approved waste disposal facility.

Disposal considerations Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not reuse empty containers. Dispose in accordance with local, state, and federal regulations.

RCR - Resource Conservation and Recovery Act Hazardous Waste D002 Corrosive

Product AT USE DILUTION

Disposal methods Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose in compliance with local regulations. Dispose of wastes in an approved waste disposal facility.

Disposal considerations Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not reuse empty containers. Dispose in accordance with local, state, and federal regulations.

SECTION 14. TRANSPORT INFORMATION

Product AS SOLD

The shipper/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

Land transport (DOT)

UN number 1824
 Description of the goods Sodium hydroxide solution
 Class 8
 Packaging group II
 Environmentally hazardous no

Sea transport (IMDG/IMO)

UN number 1824
 Proper shipping name SODIUM HYDROXIDE SOLUTION
 Class 8
 Packaging group II
 Marine pollutant no

SECTION 15. REGULATORY INFORMATION

Product AS SOLD

EPCRA - Emergency Planning and Community Right-to-Know

CERCLA Reportable Quantity

Components	COS-No.	Component RQ lbs	Calculated Product RQ lbs
Sodium hydroxide	1310-73-2	1000	4322

SAFETY DATA SHEET

TRUPOWER DISHMACHINE DETERGENT ALL PURPOSE

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components that are a section 304 EHS R.

SARA 311/312 Hazards

- Skin corrosion or irritation
- Serious eye damage or eye irritation

SARA 302

- This material does not contain any components that are a section 302 EHS TP.

SARA 313

- This material does not contain any chemical components that are on the CDS numbers that exceed the threshold De Minimis Reporting levels established by SOR Title III, Section 313.

California Prop. 65

This product does not contain any chemicals known to the State of California to cause cancer, birth, or another reproductive defects.

California Cleaning Product Right to Know Act of 2017 (SB 258)

This regulation applies to this product.

Hazardous ingredients	CDS-No.	Function	List(s)
Water	7732-18-5	Diluent	Not applicable
Sodium hydroxide	1310-73-2	Cleaning agent	20
sodium bisulfite	7631-90-5	Cleaning agent	Not applicable
Substituted Carboxylate	itself	Cleaning agent	Not applicable
Anionic polymer	itself	Cleaning agent	Not applicable
Polycarboxylate	itself	Cleaning agent	Not applicable
Carboxylate polymer	itself	Cleaning agent	Not applicable

Refer to ecolab.com/sds or electronic links to designated lists

The ingredients of this product are reported in the following inventories:

United States TSCA Inventory

All substances listed as active on the TSCA inventory

Canadian Domestic Substances List (DSL)

This product contains one or several components listed in the Canadian NDSL.

Australia. Australian Industrial Chemicals Introduction Scheme (AICIS)

On the inventory or in compliance with the inventory

New Zealand. Inventory of Chemical Substances

not determined

Japan. ENCS - Existing and New Chemical Substances Inventory

not determined

Korea. Korean Existing Chemicals Inventory (KECI)

On the inventory or in compliance with the inventory

Philippines Inventory of Chemicals and Chemical Substances (PICCS)

not determined

China. Inventory of Existing Chemical Substances in China (IECSC)

On the inventory or in compliance with the inventory

Taiwan Chemical Substance Inventory (TCSI)

SAFETY DATA SHEET

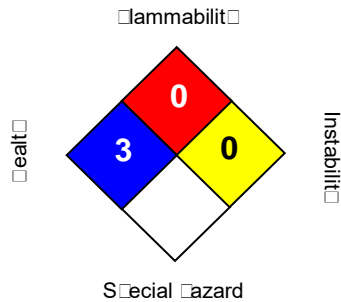
TRUPOWER DISHMACHINE DETERGENT ALL PURPOSE

On the inventor's or in compliance with the inventor's

SECTION 16. OTHER INFORMATION

Product AS SOLD

NFPA:



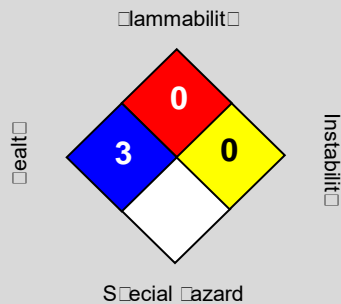
HMIS III:

HEALTH	3
FLAMMABILITY	0
PHYSICAL HAZARD	0

0 = not significant, 1 = Slight, 2 = Moderate, 3 = Significant, 4 = Extreme, 0 = Chronic

Product AT USE DILUTION

NFPA:



HMIS III:

HEALTH	3
FLAMMABILITY	0
PHYSICAL HAZARD	0

0 = not significant, 1 = Slight, 2 = Moderate, 3 = Significant, 4 = Extreme, 0 = Chronic

Issuing date: 11/07/2023
Version: 1.1
Prepared by: Regulator Affairs

REVISED INFORMATION: Significant changes to regulator or health information for this revision is indicated by a bar in the left-hand margin of the SDS.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warrant or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with other materials or in any process, unless specified in the text.

SMARTPOWER Rinse Additive All Purpose

CLASSIFICATION

Solid Rinse Additive

PRODUCT DESCRIPTION

SMARTPOWER Disinfectant Rinse Additive All Purpose is a high performing phosphate and phosphorus-free formula that leaves surfaces sparkling clean and spot free.

USE

FOR INDUSTRIAL USE ONLY

DIRECTIONS FOR USE

Consult your Ecolab representative for specific use instructions and recommended dispensing equipment.

- Remove label from product.
- Place product in dispenser.

Use only in an Ecolab dispenser.

Avoid food contamination during application and storage. Do not store in food processing areas. Rinse surfaces thoroughly with potable water after use.

Consult your Ecolab Specialist or call 1-800-35 CLEAN (352-5326) for specific use directions, service, or additional information.

PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Solid
Color	Clear, dark green
Odor	Odorless
pph	2.5 - 4.0, 10

Ingredients

Organic, methacrylate, copolymer of methacrylate	9003-11-6
urea	57-13-6
Alcohols, C10-16, ethoxylated	68002-97-1
Monosodium citrate or monosodium salt of a 2-hydroxy-1,2,3-tricarboxylic acid	18996-35-5
Sodium metacrylate	9003-04-7

PPH Formula ingredients contain no phosphorus.

PACKAGING / PRODUCT NUMBERS

Size Available	Product Number
2 - 1.1 KG (2.5 LB)	6101203

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : SMARTPOWER RINSE ADDITIVE ALL PURPOSE

Other means of identification : Not applicable

Recommended use : Rinse additive

Restrictions on use : Reserved for industrial and professional use.

Product dilution information : 0.0018 % - 0.0044 %

Company : Ecolab Inc.
1 Ecolab Place
St. Paul, Minnesota USA 55102
1-800-352-5326

Emergency health information : 1-800-328-0026 (US/Canada), 1-651-222-5352 (outside US)

Issuing date : 06/18/2019

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Product AS SOLD

Eye irritation : Category 2A

Product AT USE DILUTION

Not a hazardous substance or mixture.

GHS label elements

Product AS SOLD

Hazard pictograms :



Signal Word : Warning

Hazard Statements : Causes serious eye irritation.

Precautionary Statements : **Prevention:**
Wash skin thoroughly after handling. Wear eye protection/ face protection.
Response:
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/ attention.

Product AT USE DILUTION

Precautionary Statements : **Prevention:**
Wash hands thoroughly after handling.
Response:
Get medical advice/ attention if you feel unwell.
Storage:

SAFETY DATA SHEET

SMARTPOWER RINSE ADDITIVE ALL PURPOSE

Store in accordance with local regulations.

Product AS SOLD

Other hazards : None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Product AS SOLD

Pure substance/mixture : Mixture

Chemical name	CAS-No.	Concentration (%)
oxirane, methyl-, polymer with oxirane	9003-11-6	30 - 60
Urea	57-13-6	30 - 60
alcohols, c10-16, ethoxylated	68002-97-1	10 - 30

Product AT USE DILUTION

No hazardous ingredients

SECTION 4. FIRST AID MEASURES

Product AS SOLD

In case of eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/ attention.

In case of skin contact : Rinse with plenty of water.

If swallowed : Rinse mouth. Get medical attention if symptoms occur.

If inhaled : Get medical attention if symptoms occur.

Protection of first-aiders : If potential for exposure exists refer to Section 8 for specific personal protective equipment.

Notes to physician : Treat symptomatically.

Most important symptoms and effects, both acute and delayed : See Section 11 for more detailed information on health effects and symptoms.

Product AT USE DILUTION

In case of eye contact : Rinse with plenty of water.

In case of skin contact : Rinse with plenty of water.

If swallowed : Rinse mouth. Get medical attention if symptoms occur.

If inhaled : Get medical attention if symptoms occur.

SECTION 5. FIRE-FIGHTING MEASURES

Product AS SOLD

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing : None known.

SAFETY DATA SHEET

SMARTPOWER RINSE ADDITIVE ALL PURPOSE

media

- Specific hazards during fire fighting : Not flammable or combustible.
- Hazardous combustion products : Decomposition products may include the following materials:
Carbon oxides
- Special protective equipment for fire-fighters : Use personal protective equipment.
- Specific extinguishing methods : Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire and/or explosion do not breathe fumes.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Product AS SOLD

- Personal precautions, protective equipment and emergency procedures : Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed in sections 7 and 8.
- Environmental precautions : Do not allow contact with soil, surface or ground water.
- Methods and materials for containment and cleaning up : Sweep up and shovel into suitable containers for disposal.

Product AT USE DILUTION

- Personal precautions, protective equipment and emergency procedures : Refer to protective measures listed in sections 7 and 8.
- Environmental precautions : No special environmental precautions required.
- Methods and materials for containment and cleaning up : Stop leak if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Flush away traces with water. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

SECTION 7. HANDLING AND STORAGE

Product AS SOLD

- Advice on safe handling : Avoid contact with skin and eyes. Wash hands thoroughly after handling. In case of mechanical malfunction, or if in contact with unknown dilution of product, wear full Personal Protective Equipment (PPE).
- Conditions for safe storage : Keep out of reach of children. Store in suitable labeled containers.
- Storage temperature : 0 °C to 40 °C

Product AT USE DILUTION

- Advice on safe handling : Wash hands after handling. In case of mechanical malfunction, or if in contact with unknown dilution of product, wear full Personal Protective Equipment (PPE). For personal protection see section 8.

SAFETY DATA SHEET

SMARTPOWER RINSE ADDITIVE ALL PURPOSE

Conditions for safe storage : Keep out of reach of children. Store in suitable labeled containers.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Product AS SOLD

Ingredients with workplace control parameters

Components	CAS-No.	Form of exposure	Permissible concentration	Basis
Urea	57-13-6	TWA	10 mg/m ³	AIHA WEEL

Engineering measures : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Personal protective equipment

- Eye protection : Due to the form and packaging of the product, no protective equipment is needed under normal use conditions.
- Hand protection : No special protective equipment required.
- Skin protection : No special protective equipment required.
- Respiratory protection : No personal respiratory protective equipment normally required.
- Hygiene measures : Handle in accordance with good industrial hygiene and safety practice. Wash face, hands and any exposed skin thoroughly after handling.

Product AT USE DILUTION

Engineering measures : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Personal protective equipment

- Eye protection : No special protective equipment required.
- Hand protection : No special protective equipment required.
- Skin protection : No special protective equipment required.
- Respiratory protection : No personal respiratory protective equipment normally required.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

	Product AS SOLD	Product AT USE DILUTION
Appearance	: Extruded solid.	liquid
Color	: clear, dark green	colorless
Odor	: odorless	odorless
pH	: 2.5 - 4.0, (1 %)	6.5 - 8.5
Flash point	: Not applicable	
Odor Threshold	: No data available	
Melting point/freezing point	: No data available	
Initial boiling point and	: No data available	

SAFETY DATA SHEET

SMARTPOWER RINSE ADDITIVE ALL PURPOSE

boiling range

Evaporation rate	: No data available
Flammability (solid, gas)	: No data available
Upper explosion limit	: No data available
Lower explosion limit	: No data available
Vapor pressure	: No data available
Relative vapor density	: No data available
Relative density	: 1.0 - 1.2
Water solubility	: soluble
Solubility in other solvents	: No data available
Partition coefficient: n-octanol/water	: No data available
Autoignition temperature	: No data available
Thermal decomposition	: No data available
Viscosity, kinematic	: No data available
Explosive properties	: No data available
Oxidizing properties	: The substance or mixture is not classified as oxidizing.
Molecular weight	: No data available
VOC	: No data available

SECTION 10. STABILITY AND REACTIVITY

Product AS SOLD

Reactivity	: No dangerous reaction known under conditions of normal use.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: No dangerous reaction known under conditions of normal use.
Conditions to avoid	: None known.
Incompatible materials	: None known.
Hazardous decomposition products	: In case of fire hazardous decomposition products may be produced such as: Carbon oxides

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure : Eye contact

Potential Health Effects

Product AS SOLD

Eyes	: Causes serious eye irritation.
Skin	: Health injuries are not known or expected under normal use.

SAFETY DATA SHEET

SMARTPOWER RINSE ADDITIVE ALL PURPOSE

Ingestion : Health injuries are not known or expected under normal use.
Inhalation : Health injuries are not known or expected under normal use.
Chronic Exposure : Health injuries are not known or expected under normal use.

Product AT USE DILUTION

Eyes : Health injuries are not known or expected under normal use.
Skin : Health injuries are not known or expected under normal use.
Ingestion : Health injuries are not known or expected under normal use.
Inhalation : Health injuries are not known or expected under normal use.
Chronic Exposure : Health injuries are not known or expected under normal use.

Experience with human exposure

Product AS SOLD

Eye contact : Redness, Pain, Irritation
Skin contact : No symptoms known or expected.
Ingestion : No symptoms known or expected.
Inhalation : No symptoms known or expected.

Product AT USE DILUTION

Eye contact : No symptoms known or expected.
Skin contact : No symptoms known or expected.
Ingestion : No symptoms known or expected.
Inhalation : No symptoms known or expected.

Toxicity

Product AS SOLD

Product

Acute oral toxicity : Acute toxicity estimate : > 5,000 mg/kg
Acute inhalation toxicity : No data available
Acute dermal toxicity : Acute toxicity estimate : > 5,000 mg/kg
Skin corrosion/irritation : No data available
Serious eye damage/eye irritation : No data available
Respiratory or skin sensitization : No data available
Carcinogenicity : No data available
Reproductive effects : No data available
Germ cell mutagenicity : No data available
Teratogenicity : No data available
STOT-single exposure : No data available

SAFETY DATA SHEET

SMARTPOWER RINSE ADDITIVE ALL PURPOSE

STOT-repeated exposure : No data available

Aspiration toxicity : No data available

Components

Acute inhalation toxicity : oxirane, methyl-, polymer with oxirane
4 h LD50 Rat: 1 mg/l
Test atmosphere: dust/mist

Urea
4 h LC50 Rat: > 2.71 mg/l
Test atmosphere: dust/mist

SECTION 12. ECOLOGICAL INFORMATION

Product AS SOLD

Ecotoxicity

Environmental Effects : This product has no known ecotoxicological effects.

Product

Toxicity to fish : No data available

Toxicity to daphnia and other aquatic invertebrates : No data available

Toxicity to algae : No data available

Components

Toxicity to fish : oxirane, methyl-, polymer with oxirane
96 h LC50 Fish: > 100 mg/l

Urea
96 h LC50 Fish: 127.9 mg/l

Persistence and degradability

Product AS SOLD

Biodegradable

Product AT USE DILUTION

Not applicable - inorganic

Bioaccumulative potential

No data available

Mobility in soil

No data available

Other adverse effects

No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Product AS SOLD

Disposal methods : Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Dispose of wastes in an approved waste disposal facility.

SAFETY DATA SHEET

SMARTPOWER RINSE ADDITIVE ALL PURPOSE

Disposal considerations : Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers. Dispose of in accordance with local, state, and federal regulations.

Product AT USE DILUTION

Disposal methods : Diluted product can be flushed to sanitary sewer.

Disposal considerations : Dispose of in accordance with local, state, and federal regulations.

SECTION 14. TRANSPORT INFORMATION

Product AS SOLD

The shipper/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

Land transport (DOT)

Not dangerous goods

Sea transport (IMDG/IMO)

Not dangerous goods

SECTION 15. REGULATORY INFORMATION

Product AS SOLD

EPCRA - Emergency Planning and Community Right-to-Know

CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards : Serious eye damage or eye irritation

SARA 302 : This material does not contain any components with a section 302 EHS TPQ.

SARA 313 : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

California Prop. 65

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

California Cleaning Product Right to Know Act of 2017 (SB 258)

This regulation applies to this product.

Chemical Name	CAS-No.	Function	List(s)
oxirane, methyl-, polymer with oxirane	9003-11-6	Cleaning Agent	Not Applicable

SAFETY DATA SHEET

SMARTPOWER RINSE ADDITIVE ALL PURPOSE

Urea	57-13-6	Absorbent	Not Applicable
alcohols, c10-16, ethoxylated	68002-97-1	Cleaning Agent	Not Applicable
citric acid, sodium salt	18996-35-5	Cleaning Agent	Not Applicable
Polyacrylate	Withheld	Cleaning Agent	Not Applicable
Colorant	Withheld	Dye	Not Applicable
Colorant	Withheld	Dye	Not Applicable

*refer to ecolab.com/sds for electronic links to designated lists

The ingredients of this product are reported in the following inventories:

United States TSCA Inventory :

All substances listed as active on the TSCA inventory

Canadian Domestic Substances List (DSL) :

All components of this product are on the Canadian DSL

Australia Inventory of Chemical Substances (AICS) :

On the inventory, or in compliance with the inventory

New Zealand. Inventory of Chemical Substances :

not determined

Japan. ENCS - Existing and New Chemical Substances Inventory :

not determined

Korea. Korean Existing Chemicals Inventory (KECI) :

On the inventory, or in compliance with the inventory

Philippines Inventory of Chemicals and Chemical Substances (PICCS) :

On the inventory, or in compliance with the inventory

China. Inventory of Existing Chemical Substances in China (IECSC) :

On the inventory, or in compliance with the inventory

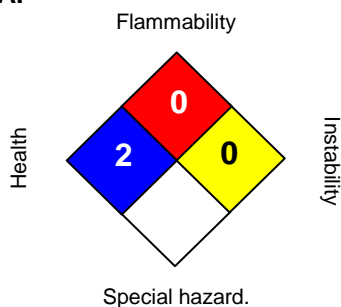
Taiwan Chemical Substance Inventory (TCSI) :

not determined

SECTION 16. OTHER INFORMATION

Product AS SOLD

NFPA:



HMIS III:

HEALTH	2
FLAMMABILITY	0
PHYSICAL HAZARD	0

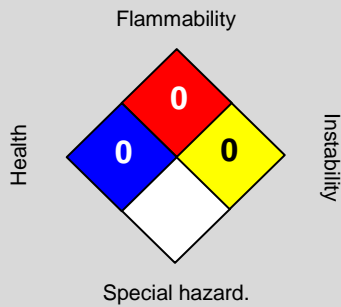
0 = not significant, 1 =Slight,
2 = Moderate, 3 = High
4 = Extreme, * = Chronic

Product AT USE DILUTION

SAFETY DATA SHEET

SMARTPOWER RINSE ADDITIVE ALL PURPOSE

NFPA:



HMIS III:

HEALTH	0
FLAMMABILITY	0
PHYSICAL HAZARD	0

0 = not significant, 1 = Slight,
2 = Moderate, 3 = High
4 = Extreme, * = Chronic

Issuing date : 06/18/2019
Version : 1.4
Prepared by : Regulatory Affairs

REVISED INFORMATION: Significant changes to regulatory or health information for this revision is indicated by a bar in the left-hand margin of the SDS.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Solid Brilliance

CLASSIFICATION

Concentrated Solid Rinse Additive

PRODUCT DESCRIPTION

Perfect for glassware and plastics, this rinse additive shines in hard water and nonfoaming in soft water conditions.

USE

FOR INDUSTRIAL USE ONLY

This container is not safe for food storage. Do not reuse.

DIRECTIONS FOR USE

For use only in a Rinse Max Dispenser.

- Remove container cover. Turn container over and empty contents into Rinse Max Dispenser. If necessary, use bottom of container to dump to release product.
- Add additional product when it is no longer visible through Rinse Max window.

Recommended Usage (Maximum):

2 mL / 0.2 grams

Consult your Ecolab Specialist or call 1-800-35 CLEAN (352-5326) for specific use directions, service, or additional information.

PHYSICAL & CHEMICAL PROPERTIES

Appearance: Solid
 Color: Green Clear
 Odor: Odorless
 pH: 6.5 - 7.5, 10

Ingredients:

Ethylene Oxide-Propylene Oxide Copolymer	9003-11-6
Surfactant	57-13-6
Colorants, Encapsulated	68131-39-5
Water	7732-18-5
Propylene Glycol	57-55-6

%P: Formula ingredients contain no phosphorus

PACKAGING & PRODUCT NUMBERS

Size	Product Number
2 - 2.5 lbs (1.13 kg)	6125395



SAFETY DATA SHEET

SOLID BRILLIANCE

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

- Product name SOLID BRILLIANCE
- Other means of identification Not applicable
- Recommended use Rinse additive
- Restrictions on use Reserved for industrial and professional use.

Product dilution information 0.0018 - 0.0044

Company Ecolab Inc.
1 Ecolab Place
St. Paul, Minnesota 55102
1-800-352-5326

Emergency health information 1-800-328-0026 St. Canada 1-651-222-5352 outside US

Issuing date 12/20/2022

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Product AS SOLD

Eye irritation Category 2B

Product AT USE DILUTION

Not a hazardous substance or mixture.

GHS label elements

Product AS SOLD

Signal word Warning

Hazard Statements Causes eye irritation.

Precautionary Statements **Prevention:**
 Wash hands thoroughly after handling.
Response:
 IN EYES Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists Get medical advice/attention.

Product AT USE DILUTION

Precautionary Statements **Prevention:**
 Wash hands thoroughly after handling.
Response:
Get medical advice/attention if you feel unwell.
Storage:
Store in accordance with local regulations.

Product AS SOLD

Other hazards None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

SAFETY DATA SHEET

SOLID BRILLIANCE

Product AS SOLD

Pure substance Mixture

Chemical name

o-terpineol, menthyl, menthyl
menthyl
Propylene glycol
Propylates

CAS-No.

9003-11-6
57-13-6
57-55-6
67953-76-8

Concentration (%)

60 - 100
10 - 30
1 - 5
1 - 5

Product AT USE DILUTION

No hazardous ingredients

SECTION 4. FIRST AID MEASURES

Product AS SOLD

In case of eye contact Rinse with plenty of water.

In case of skin contact Rinse with plenty of water.

Inhalation Rinse mouth. Get medical attention if symptoms occur.

Ingestion Remove to fresh air. Treat symptomatically. Get medical attention.

Protection of first-aiders If potential for exposure exists refer to Section 8 for specific personal protective equipment.

Notes to physician Treat symptomatically.

Most important symptoms and effects, both acute and delayed See Section 11 for more detailed information on health effects and symptoms.

Product AT USE DILUTION

In case of eye contact Rinse with plenty of water.

In case of skin contact Rinse with plenty of water.

Inhalation Rinse mouth. Get medical attention if symptoms occur.

Ingestion Get medical attention if symptoms occur.

SECTION 5. FIRE-FIGHTING MEASURES

Product AS SOLD

Suitable extinguishing media Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media None known.

Specific hazards during fire fighting Not flammable or combustible.

Hazardous combustion products Decomposition products may include the following materials:
Carbon oxides
Nitrogen oxides (NOx)

SAFETY DATA SHEET

SOLID BRILLIANCE

Special protective equipment for fire-fighters Use personal protective equipment.

Specific extinguishing methods Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire and/or explosion do not breathe fumes.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Product AS SOLD

Personal precautions, protective equipment and emergency procedures Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed in sections 7 and 8.

Environmental precautions Do not allow contact with soil, surface or ground water.

Methods and materials for containment and cleaning up See up and shovel into suitable containers for disposal.

Product AT USE DILUTION

Personal precautions, protective equipment and emergency procedures Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed in sections 7 and 8.

Environmental precautions Do not allow contact with soil, surface or ground water.

Methods and materials for containment and cleaning up Stop leakage if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, e.g. sand, earth, diatomaceous earth, vermiculite and place in container for disposal according to local/national regulations (see section 13) plus appropriate traces of water. For large spills, dice spilled material or otherwise contain material to ensure runoff does not reach a waterway.

SECTION 7. HANDLING AND STORAGE

Product AS SOLD

Advice on safe handling Do not breathe dust, fume, gas, mist, vapors or spray. Use only with adequate ventilation. Wash hands thoroughly after handling. In case of mechanical malfunction, or in contact with unknown dilution of product, wear full Personal Protective Equipment (PPE).

Conditions for safe storage Keep out of reach of children. Store in suitable labeled containers.

Storage temperature 0 °C to 50 °C

Product AT USE DILUTION

Advice on safe handling Wash hands thoroughly after handling. In case of mechanical malfunction, or in contact with unknown dilution of product, wear full Personal Protective Equipment (PPE).

Conditions for safe storage Keep out of reach of children. Store in suitable labeled containers.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Product AS SOLD

Ingredients with workplace control parameters

SAFETY DATA SHEET

SOLID BRILLIANCE

Components	COS-No.	Form of exposure	Permissible concentration	Basis
Area	57-13-6	T	10 mg/m ³	S EEL
Propane glycol	57-55-6	T	10 mg/m ³	S EEL

Engineering measures Effective exhaust ventilation system. Maintain air concentrations below occupational exposure standards.

Personal protective equipment

Eye protection No special protective equipment required.

Hand protection No special protective equipment required.

Skin protection No special protective equipment required.

Respirator protection Due to the form and packaging of the product, no protective equipment is needed under normal use conditions.

Hygiene measures Handle in accordance with good industrial hygiene and safety practice.

Product AT USE DILUTION

Engineering measures Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Personal protective equipment

Eye protection No special protective equipment required.

Hand protection No special protective equipment required.

Skin protection No special protective equipment required.

Respirator protection No personal respiratory protective equipment normally required.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

	Product AS SOLD	Product AT USE DILUTION
Appearance	<input type="checkbox"/> Cast Solid	liquid
Color	<input type="checkbox"/> clear, blue	light green
Odor	<input type="checkbox"/> odorless	odorless
ppm	<input type="checkbox"/> 6.5 - 7.5, 1	5.0 - 9.0
Flash point	<input type="checkbox"/> Not applicable	
Odor Threshold	<input type="checkbox"/> No data available	
Melting point/freezing point	<input type="checkbox"/> No data available	
Initial boiling point and boiling range	<input type="checkbox"/> No data available	
Evaporation rate	<input type="checkbox"/> No data available	
Flammability (solid, gas)	<input type="checkbox"/> No data available	
Explosion limit	<input type="checkbox"/> No data available	

SAFETY DATA SHEET

SOLID BRILLIANCE

Lower explosion limit	<input type="checkbox"/> No data available
Vapor pressure	<input type="checkbox"/> No data available
Relative vapor density	<input type="checkbox"/> No data available
Relative density	<input type="checkbox"/> 1.5 - 1.6
Water solubility	<input type="checkbox"/> Soluble
Solubility in other solvents	<input type="checkbox"/> No data available
Partition coefficient n-octanol/water	<input type="checkbox"/> No data available
Autoignition temperature	<input type="checkbox"/> No data available
Thermal decomposition	<input type="checkbox"/> No data available
Viscosity dynamic	<input type="checkbox"/> No data available
Explosive properties	<input type="checkbox"/> No data available
Oxidizing properties	<input type="checkbox"/> No data available
Molecular weight	<input type="checkbox"/> No data available
VOC	<input type="checkbox"/> No data available

SECTION 10. STABILITY AND REACTIVITY

Product AS SOLD

Reactivity	<input type="checkbox"/> No dangerous reaction known under conditions of normal use.
Chemical stability	<input type="checkbox"/> Stable under normal conditions.
Possibility of hazardous reactions	<input type="checkbox"/> No dangerous reaction known under conditions of normal use.
Conditions to avoid	<input type="checkbox"/> None known.
Incompatible materials	<input type="checkbox"/> None known.
Hazardous decomposition products	<input type="checkbox"/> In case of fire hazardous decomposition products may be produced such as: Carbon oxides Nitrogen oxides (NOx)

SECTION 11. TOXICOLOGICAL INFORMATION

Information on labeled routes of exposure: Eye contact, Skin contact

Potential Health Effects

Product AS SOLD

Eyes	<input type="checkbox"/> Causes eye irritation.
Skin	<input type="checkbox"/> Health injuries are not known or expected under normal use.
Ingestion	<input type="checkbox"/> Health injuries are not known or expected under normal use.
Inhalation	<input type="checkbox"/> Health injuries are not known or expected under normal use.
Chronic Exposure	<input type="checkbox"/> Health injuries are not known or expected under normal use.

SAFETY DATA SHEET

SOLID BRILLIANCE

Product AT USE DILUTION

Eye contact	<input type="checkbox"/> No eye injuries are not known or expected under normal use.
Skin contact	<input type="checkbox"/> No eye injuries are not known or expected under normal use.
Ingestion	<input type="checkbox"/> No eye injuries are not known or expected under normal use.
Inhalation	<input type="checkbox"/> No eye injuries are not known or expected under normal use.
Chronic Exposure	<input type="checkbox"/> No eye injuries are not known or expected under normal use.

Experience with human exposure

Product AS SOLD

Eye contact	<input type="checkbox"/> Redness, Irritation
Skin contact	<input type="checkbox"/> No symptoms known or expected.
Ingestion	<input type="checkbox"/> No symptoms known or expected.
Inhalation	<input type="checkbox"/> No information available.

Product AT USE DILUTION

Eye contact	<input type="checkbox"/> No symptoms known or expected.
Skin contact	<input type="checkbox"/> No symptoms known or expected.
Ingestion	<input type="checkbox"/> No symptoms known or expected.
Inhalation	<input type="checkbox"/> No symptoms known or expected.

Toxicity

Product AS SOLD

Product

Acute oral toxicity	<input type="checkbox"/> Acute toxicity estimate $\leq 5,000$ mg/kg
Acute inhalation toxicity	<input type="checkbox"/> No data available
Acute dermal toxicity	<input type="checkbox"/> No data available
Skin corrosion/irritation	<input type="checkbox"/> No data available
Serious eye damage/eye irritation	<input type="checkbox"/> No data available
Respiratory or skin sensitization	<input type="checkbox"/> No data available
Carcinogenicity	<input type="checkbox"/> No data available
Reproductive effects	<input type="checkbox"/> No data available
Germ cell mutagenicity	<input type="checkbox"/> No data available
Teratogenicity	<input type="checkbox"/> No data available
STOT-single exposure	<input type="checkbox"/> No data available
STOT-repeated exposure	<input type="checkbox"/> No data available
Aspiration toxicity	<input type="checkbox"/> No data available

Components

SAFETY DATA SHEET

SOLID BRILLIANCE

- acute inhalation toxicity
- propane, met-, polymer nitropropane
4 LD50 Rat 1 mg
Test atmosphere dust/mist
- Propane glycol
4 LC50 Rabbit 158.5 mg
Test atmosphere dust/mist

Components

- acute dermal toxicity
- urea
LD50 Rat 8,200 mg g

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Product AS SOLD

- Environmental Effects Harmful to aquatic life.

Product AT USE DILUTION

- Environmental Effects This product has no known ecological effects.

Product AS SOLD

Product

- Toxicity to fish 96 LC50 64.81 mg
Toxicity to daphnia and other aquatic invertebrates No data available
Toxicity to algae No data available

Components

- Toxicity to daphnia and other aquatic invertebrates Propane glycol
48 EC50 Aquatic Invertebrate 18,340 mg
 Posonates
48 EC50 167 mg

Persistence and degradability

Product AT USE DILUTION

- Not applicable - inorganic

Bioaccumulative potential

No data available

Mobility in soil

No data available

Other adverse effects

No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Product AS SOLD

- Disposal methods Do not contaminate ponds, waterways or ditches with chemical or used container. Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose in compliance

SAFETY DATA SHEET

SOLID BRILLIANCE

It is local regulations. Dispose of wastes in an approved waste disposal facility.

Disposal considerations Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not reuse empty containers. Dispose of in accordance with local, state, and federal regulations.

Product AT USE DILUTION

Disposal methods Diluted product can be used to sanitize sewer.

Disposal considerations Dispose of in accordance with local, state, and federal regulations.

SECTION 14. TRANSPORT INFORMATION

Product AS SOLD

The shipper/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

Land transport (DOT)

Not dangerous goods

Sea transport (IMDG/IMO)

Not dangerous goods

SECTION 15. REGULATORY INFORMATION

Product AS SOLD

EPCRA - Emergency Planning and Community Right-to-Know

CERCLA Reportable Quantity

This material does not contain any components that are CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components that are section 304 EHS RQ.

SARA 311/312 Hazards Serious eye damage or eye irritation

SARA 302 This material does not contain any components that are section 302 EHS TP.

SARA 313 This material does not contain any chemical components that have no CAS numbers that exceed the threshold Reporting levels established by SOR Title III, Section 313.

California Prop. 65

This product does not contain any chemicals known to the State of California to cause cancer, birth, or another reproductive defects.

California Cleaning Product Right to Know Act of 2017 (SB 258)

This regulation applies to this product.

Chemical Name	CAS-No.	Function	Listed
Quaternary ammonium compound	9003-11-6	Cleaning agent	Not applicable

SAFETY DATA SHEET

SOLID BRILLIANCE

o-rane			
rea	57-13-6	Cleaning gent	Not applicable
ater	7732-18-5	Processing id	Not applicable
Pro-ene gl-col	57-55-6	Cleaning gent	12
alcools, c12-15, et-lated	68131-39-5	Cleaning gent	Not applicable
Inorganic base	it-eld	Bu-er	Not applicable
Colorant	it-eld	D-e	Not applicable
alogenated t-azole	it-eld	Biocide	Not applicable

Refer to ecolab.com/sds for electronic links to designated lists

The ingredients of this product are reported in the following inventories:

Switzerland. New notified substances and declared preparations
not determined

United States TSCA Inventory
 All substances listed as active on the TSCA inventor

Canadian Domestic Substances List (DSL)
 All components of this product are on the Canadian DSL

Australia. Australian Industrial Chemicals Introduction Scheme (AICIS)
not determined

New Zealand. Inventory of Chemical Substances
On the inventor or in compliance with the inventor

Japan. ENCS - Existing and New Chemical Substances Inventory
On the inventor or in compliance with the inventor

Korea. Korean Existing Chemicals Inventory (KECI)
not determined

China. Inventory of Existing Chemical Substances in China (IECSC)
On the inventor or in compliance with the inventor

Taiwan Chemical Substance Inventory (TCSI)
On the inventor or in compliance with the inventor

Philippines Inventory of Chemicals and Chemical Substances (PICCS)
On the inventor or in compliance with the inventor

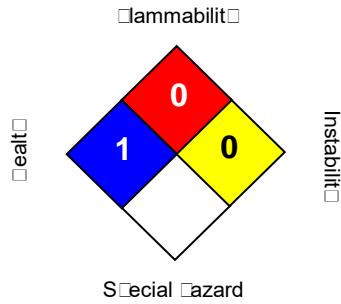
SECTION 16. OTHER INFORMATION

Product AS SOLD

SAFETY DATA SHEET

SOLID BRILLIANCE

NFPA:



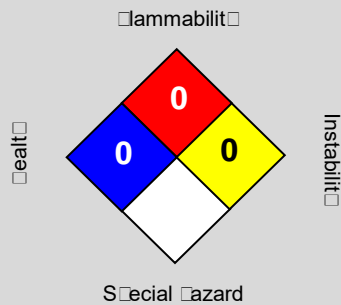
HMIS III:

HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0

0 = not significant, 1 = Slight, 2 = Moderate, 3 = Significant, 4 = Extreme, ☐ ☐ Chronic

Product AT USE DILUTION

NFPA:



HMIS III:

HEALTH	0
FLAMMABILITY	0
PHYSICAL HAZARD	0

0 = not significant, 1 = Slight, 2 = Moderate, 3 = Significant, 4 = Extreme, ☐ ☐ Chronic

Issuing date ☐ 12/20/2022
 Version ☐ 1.4
 Prepared by ☐ Regulator Affairs

REVISED INFORMATION Significant changes to regulator or health information for this revision is indicated by a bar in the left-hand margin of the SDS.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warrant or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with other materials or in an process, unless specified in the text.

Liquid Laundry Built Detergent

CLASSIFICATION

An alkaline-built liquid laundry emulsion detergent.

PRODUCT DESCRIPTION

Liquid Laundry Built Detergent is a liquid, alkaline, emulsion detergent that breaks up tough stains and boosts performance, especially against cosmetic and oily stains. The product features a concentrated surfactant with a water conditioning package and optical brighteners. It is dye and fragrance free.

USE

FOR INDUSTRIAL USE ONLY - NOT FOR HOUSEHOLD USE.

PRECAUTIONS:

- The product causes severe skin burns and eye damage if contacted. Read the product Safety Data Sheet before use.
- DO NOT use in laundry machines with porcelain-lined or soft metal tubs.
- DO NOT use on wool, silk or delicate fabrics.
- Do not reuse this container once empty.

DIRECTIONS FOR USE:

Use only with Ecolab Laundry Dispensing Systems. The dispensing rate is set on-site by an Ecolab Laundry Specialist. No adjustment of the dispensing rate can be made except by an Ecolab Laundry Specialist.

Recommended dosage:

Light soil: 5 fl oz/CWT (5 - 8 drops)

Medium soil: 7 fl oz/CWT (8 - 11 drops)

Heavy soil: 9 fl oz / CWT (11 - 15 drops)

CWT=Hundred pounds machine capacity.

"Drops" refer to the amount of Titrate 1 from the Laundry Test Kit to neutralize the Indicator P active alkalinity with a 5 ml wash liquor sample.

Use Temperature Range: 100 – 180°F

The product is not freeze/thaw stable.

Store between 41°F and 122°F.

The product expires 540 days after its manufacture date.

Consult your Ecolab Specialist or call 1-800-35 CLEAN (352-5326) for specific use directions, service, or additional information.

PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Emulsion liquid
Color	Opaque, light cream
Odor	Slight
pH	13.0-14.0 (100%); 11.0-12.0 (0.1%-0.18%)

INGREDIENTS:

Chemical Name/CAS (if present)

Percentage

Sodium hydroxide, 1310-73-2

10 - 30

Alcohols, C12-16, ethoxylated >5EO, 68551-12-2

5 - 10

poly(oxy-1,2-ethanediyl), .alpha.-isotridecyl-.omega.-hydroxy-, 9043-30-5

5 - 10

% P Formula ingredients contain no phosphorous.

PACKAGING / PRODUCT NUMBERS

Size Available	Product Number
2.5 U. S. Gallons (9.46 Liters)	6101848
5 U. S. Gallons (18.9 Liters)	6101849
15 U. S. Gallons (57.8 Liters)	6101844

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : LIQUID LAUNDRY BUILT DETERGENT

Other means of identification : Not applicable

Recommended use : Laundry detergent

Restrictions on use : Reserved for industrial and professional use.

Product dilution information : 0.1 % - 0.18 %

Company : Ecolab Inc.
1 Ecolab Place
St. Paul, Minnesota USA 55102
1-800-352-5326

Emergency health information : 1-800-328-0026 (US/Canada), 1-651-222-5352 (outside US)

Issuing date : 05/17/2021

SECTION 2. HAZARDS IDENTIFICATION
GHS Classification
Product AS SOLD

Skin corrosion : Category 1A
Serious eye damage : Category 1

Product AT USE DILUTION

Skin corrosion : Category 1A
Serious eye damage : Category 1

GHS label elements
Product AS SOLD

Hazard pictograms :



Signal Word : Danger

Hazard Statements : Causes severe skin burns and eye damage.

Precautionary Statements : **Prevention:**
Wash skin thoroughly after handling. Wear protective gloves/ protective clothing/ eye protection/ face protection.
Response:
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor. Wash contaminated clothing before reuse.

SAFETY DATA SHEET

LIQUID LAUNDRY BUILT DETERGENT

Storage:

Store locked up.

Disposal:

Dispose of contents/ container to an approved waste disposal plant.

Product AT USE DILUTION

Hazard pictograms :



Signal Word :

Danger

Hazard Statements :

Causes severe skin burns and eye damage.

Precautionary Statements :

Prevention:

Wash skin thoroughly after handling. Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response:

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor. Wash contaminated clothing before reuse.

Storage:

Store locked up.

Disposal:

Dispose of contents/ container to an approved waste disposal plant.

Product AS SOLD

Other hazards :

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Product AS SOLD

Pure substance/mixture :

Mixture

Chemical name

Sodium hydroxide

CAS-No.

1310-73-2

Concentration (%)

10 - 30

alcohols, c12-16, ethoxylated >5EO

68551-12-2

5 - 10

poly(oxy-1,2-ethanediyl), .alpha.-isotridecyl-.omega.-hydroxy-

9043-30-5

5 - 10

Product AT USE DILUTION

No hazardous ingredients

SECTION 4. FIRST AID MEASURES

Product AS SOLD

In case of eye contact :

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.

In case of skin contact :

Wash off immediately with plenty of water for at least 15 minutes.

SAFETY DATA SHEET

LIQUID LAUNDRY BUILT DETERGENT

	Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.
If swallowed	: Rinse mouth with water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.
If inhaled	: Remove to fresh air. Treat symptomatically. Get medical attention if symptoms occur.
Protection of first-aiders	: If potential for exposure exists refer to Section 8 for specific personal protective equipment.
Notes to physician	: Treat symptomatically.
Most important symptoms and effects, both acute and delayed	: See Section 11 for more detailed information on health effects and symptoms.

Product AT USE DILUTION

In case of eye contact	: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.
In case of skin contact	: Wash off immediately with plenty of water for at least 15 minutes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.
If swallowed	: Rinse mouth with water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.
If inhaled	: Remove to fresh air. Treat symptomatically. Get medical attention if symptoms occur.

SECTION 5. FIRE-FIGHTING MEASURES

Product AS SOLD

Suitable extinguishing media	: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable extinguishing media	: None known.
Specific hazards during fire fighting	: Not flammable or combustible.
Hazardous combustion products	: Decomposition products may include the following materials: Carbon oxides
Special protective equipment for fire-fighters	: Use personal protective equipment.
Specific extinguishing methods	: Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire and/or explosion do not breathe fumes.

SECTION 6. ACCIDENTAL RELEASE MEASURES

SAFETY DATA SHEET

LIQUID LAUNDRY BUILT DETERGENT

Product AS SOLD

Personal precautions, protective equipment and emergency procedures : Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Avoid inhalation, ingestion and contact with skin and eyes. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed in sections 7 and 8.

Environmental precautions : Do not allow contact with soil, surface or ground water.

Methods and materials for containment and cleaning up : Stop leak if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Flush away traces with water. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

Product AT USE DILUTION

Personal precautions, protective equipment and emergency procedures : Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Avoid inhalation, ingestion and contact with skin and eyes. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed in sections 7 and 8.

Environmental precautions : Do not allow contact with soil, surface or ground water.

Methods and materials for containment and cleaning up : Stop leak if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Flush away traces with water. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

SECTION 7. HANDLING AND STORAGE

Product AS SOLD

Advice on safe handling : Do not ingest. Do not get in eyes, on skin, or on clothing. Do not breathe dust/ fume/ gas/ mist/ vapors/ spray. Use only with adequate ventilation. Wash hands thoroughly after handling. In case of mechanical malfunction, or if in contact with unknown dilution of product, wear full Personal Protective Equipment (PPE).

Conditions for safe storage : Do not store near acids. Keep out of reach of children. Store in suitable labeled containers.

Storage temperature : 5 °C to 50 °C

Product AT USE DILUTION

Advice on safe handling : Do not ingest. Do not get in eyes, on skin, or on clothing. Do not breathe dust/ fume/ gas/ mist/ vapors/ spray. Use only with adequate ventilation. Wash hands thoroughly after handling. In case of mechanical malfunction, or if in contact with unknown dilution of product, wear full Personal Protective Equipment (PPE).

Conditions for safe storage : Keep out of reach of children. Store in suitable labeled containers.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

SAFETY DATA SHEET

LIQUID LAUNDRY BUILT DETERGENT

Product AS SOLD

Ingredients with workplace control parameters

Components	CAS-No.	Form of exposure	Permissible concentration	Basis
sodium hydroxide	1310-73-2	Ceiling	2 mg/m ³	ACGIH
		Ceiling	2 mg/m ³	NIOSH REL
		TWA	2 mg/m ³	OSHA Z1

Engineering measures : Effective exhaust ventilation system. Maintain air concentrations below occupational exposure standards.

Personal protective equipment

Eye protection : Wear eye protection and/or face protection.

Hand protection : Wear the following personal protective equipment:
Standard glove type.
Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.

Skin protection : Personal protective equipment comprising: suitable protective gloves, safety goggles and protective clothing

Respiratory protection : When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Wash face, hands and any exposed skin thoroughly after handling. Provide suitable facilities for quick drenching or flushing of the eyes and body in case of contact or splash hazard.

Product AT USE DILUTION

Engineering measures : Effective exhaust ventilation system. Maintain air concentrations below occupational exposure standards.

Personal protective equipment

Eye protection : Wear eye protection and/or face protection.

Hand protection : Wear the following personal protective equipment:
Standard glove type.
Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.

Skin protection : Personal protective equipment comprising: suitable protective gloves, safety goggles and protective clothing

Respiratory protection : When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Emulsion

Product AT USE DILUTION
liquid

SAFETY DATA SHEET

LIQUID LAUNDRY BUILT DETERGENT

Color	: opaque, light cream	colorless
Odor	: slight	odorless
pH	: 13.0 - 14.0, (100 %)	11.0 - 12.0
Flash point	: Not applicable	
Odor Threshold	: No data available	
Melting point/freezing point	: No data available	
Initial boiling point and boiling range	: No data available	
Evaporation rate	: No data available	
Flammability (solid, gas)	: Not applicable	
Upper explosion limit	: No data available	
Lower explosion limit	: No data available	
Vapor pressure	: No data available	
Relative vapor density	: No data available	
Relative density	: 1.175 - 1.275	
Water solubility	: soluble	
Solubility in other solvents	: No data available	
Partition coefficient: n-octanol/water	: No data available	
Autoignition temperature	: No data available	
Thermal decomposition	: No data available	
Viscosity, kinematic	: No data available	
Explosive properties	: No data available	
Oxidizing properties	: No data available	
Molecular weight	: No data available	
VOC	: No data available	

SECTION 10. STABILITY AND REACTIVITY

Product AS SOLD

Reactivity	: No dangerous reaction known under conditions of normal use.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: No dangerous reaction known under conditions of normal use.
Conditions to avoid	: None known.
Incompatible materials	: Acids Metals Organic materials
Hazardous decomposition products	: Decomposition products may include the following materials: Carbon oxides

SECTION 11. TOXICOLOGICAL INFORMATION

SAFETY DATA SHEET

LIQUID LAUNDRY BUILT DETERGENT

Information on likely routes of exposure : Inhalation, Eye contact, Skin contact

Potential Health Effects

Product AS SOLD

Eyes : Causes serious eye damage.
Skin : Causes severe skin burns.
Ingestion : Causes digestive tract burns.
Inhalation : May cause nose, throat, and lung irritation.
Chronic Exposure : Health injuries are not known or expected under normal use.

Product AT USE DILUTION

Eyes : Causes serious eye damage.
Skin : Causes severe skin burns.
Ingestion : Causes digestive tract burns.
Inhalation : May cause nose, throat, and lung irritation.
Chronic Exposure : Health injuries are not known or expected under normal use.

Experience with human exposure

Product AS SOLD

Eye contact : Redness, Pain, Corrosion
Skin contact : Redness, Pain, Corrosion
Ingestion : Corrosion, Abdominal pain
Inhalation : Respiratory irritation, Cough

Product AT USE DILUTION

Eye contact : Redness, Pain, Corrosion
Skin contact : Redness, Pain, Corrosion
Ingestion : Corrosion, Abdominal pain
Inhalation : Respiratory irritation, Cough

Toxicity

Product AS SOLD

Product

Acute oral toxicity : Acute toxicity estimate : > 5,000 mg/kg
Acute inhalation toxicity : No data available
Acute dermal toxicity : Acute toxicity estimate : > 5,000 mg/kg
Skin corrosion/irritation : No data available

SAFETY DATA SHEET

LIQUID LAUNDRY BUILT DETERGENT

Serious eye damage/eye irritation : No data available

Respiratory or skin sensitization : No data available

Carcinogenicity : No data available

Reproductive effects : No data available

Germ cell mutagenicity : No data available

Teratogenicity : No data available

STOT-single exposure : No data available

STOT-repeated exposure : No data available

Aspiration toxicity : No data available

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Product AS SOLD

Environmental Effects : Toxic to aquatic life.

Product AT USE DILUTION

Environmental Effects : This product has no known ecotoxicological effects.

Product AS SOLD

Product

Toxicity to fish : No data available

Toxicity to daphnia and other aquatic invertebrates : No data available

Toxicity to algae : No data available

Components

Toxicity to fish : alcohols, c12-16, ethoxylated >5EO
LC50: 1.5 mg/l

poly(oxy-1,2-ethanediyl), .alpha.-isotridecyl-.omega.-hydroxy-
96 h LC50 Fish: 0.25 mg/l

Components

Toxicity to daphnia and other aquatic invertebrates : Sodium hydroxide
48 h EC50: 40 mg/l

Persistence and degradability

Product AT USE DILUTION

Readily biodegradable.

Bioaccumulative potential

No data available

Mobility in soil

No data available

Other adverse effects

SAFETY DATA SHEET

LIQUID LAUNDRY BUILT DETERGENT

No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Product AS SOLD

- Disposal methods : Do not contaminate ponds, waterways or ditches with chemical or used container. Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Dispose of wastes in an approved waste disposal facility.
- Disposal considerations : Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers. Dispose of in accordance with local, state, and federal regulations.
- RCRA - Resource Conservation and Recovery Act Hazardous waste : D002 (Corrosive)

Product AT USE DILUTION

- Disposal methods : Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Dispose of wastes in an approved waste disposal facility.
- Disposal considerations : Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers. Dispose of in accordance with local, state, and federal regulations.

SECTION 14. TRANSPORT INFORMATION

Product AS SOLD

The shipper/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

Land transport (DOT)

- UN number : 1824
Description of the goods : Sodium hydroxide solution
Class : 8
Packing group : II
Environmentally hazardous : no

Sea transport (IMDG/IMO)

- UN number : 1824
Description of the goods : SODIUM HYDROXIDE SOLUTION
Class : 8
Packing group : II
Marine pollutant : no

SECTION 15. REGULATORY INFORMATION

Product AS SOLD

EPCRA - Emergency Planning and Community Right-to-Know

SAFETY DATA SHEET

LIQUID LAUNDRY BUILT DETERGENT

CERCLA Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
Sodium hydroxide	1310-73-2	1000	4810

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards : Skin corrosion or irritation
Serious eye damage or eye irritation

SARA 302 : This material does not contain any components with a section 302 EHS TPQ.

SARA 313 : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

California Prop. 65

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

California Cleaning Product Right to Know Act of 2017 (SB 258)

This regulation applies to this product.

Chemical Name	CAS-No.	Function	List(s)
water	7732-18-5	Diluent	Not Applicable
Sodium hydroxide	1310-73-2	Cleaning Agent	20
alcohols, c12-16, ethoxylated >5EO	68551-12-2	Cleaning Agent	Not Applicable
poly(oxy-1,2-ethanediyl), .alpha.-isotridecyl-.omega.-hydroxy-	9043-30-5	Cleaning Agent	Not Applicable
Sodium Polyacrylate	9003-04-7	Cleaning Agent	Not Applicable
Polymer	Withheld	Cleaning Agent	Not Applicable
Polymer	Withheld	Cleaning Agent	Not Applicable
Sulfonic Acid	Withheld	Brightener	Not Applicable

*refer to ecolab.com/sds for electronic links to designated lists

The ingredients of this product are reported in the following inventories:

United States TSCA Inventory :

On the inventory, or in compliance with the inventory

Canadian Domestic Substances List (DSL) :

This product contains one or several components that are not on the Canadian DSL nor NDSL.

Australia. Australian Industrial Chemicals Introduction Scheme (AICIS) :

not determined

New Zealand. Inventory of Chemical Substances :

not determined

Japan. ENCS - Existing and New Chemical Substances Inventory :

not determined

Korea. Korean Existing Chemicals Inventory (KECI) :

not determined

SAFETY DATA SHEET

LIQUID LAUNDRY BUILT DETERGENT

Philippines Inventory of Chemicals and Chemical Substances (PICCS) :
not determined

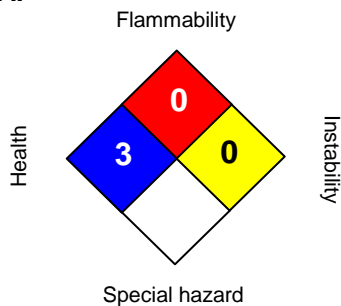
China. Inventory of Existing Chemical Substances in China (IECSC) :
not determined

Taiwan Chemical Substance Inventory (TCSI) :
On the inventory, or in compliance with the inventory

SECTION 16. OTHER INFORMATION

Product AS SOLD

NFPA:



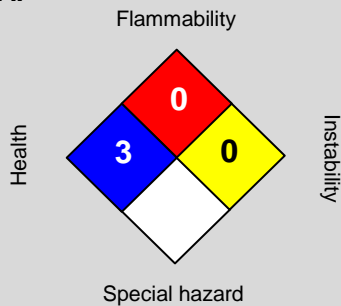
HMIS III:

HEALTH	3
FLAMMABILITY	0
PHYSICAL HAZARD	0

0 = not significant, 1 = Slight,
2 = Moderate, 3 = High
4 = Extreme, * = Chronic

Product AT USE DILUTION

NFPA:



HMIS III:

HEALTH	3
FLAMMABILITY	0
PHYSICAL HAZARD	0

0 = not significant, 1 = Slight,
2 = Moderate, 3 = High
4 = Extreme, * = Chronic

Issuing date : 05/17/2021
Version : 1.0
Prepared by : Regulatory Affairs

REVISED INFORMATION: Significant changes to regulatory or health information for this revision is indicated by a bar in the left-hand margin of the SDS.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Liquid Laundry Chlorine Bleach

CLASSIFICATION

Chlorinated Liquid Bleach

PRODUCT DESCRIPTION

Liquid Laundry Chlorine Bleach is a concentrated chlorine bleach product which provides fast bleaching action to remove difficult stains on white linen. The product restores natural whiteness to fabrics and eliminates dull and dingy stain build-up. It is not for use as a laundry sanitizer.

USE

FOR INDUSTRIAL USE ONLY - NOT FOR HOUSEHOLD USE DO NOT MIX WITH NEUTRALIZERS OR ACID BASED PRODUCTS

This product is not for use as a laundry sanitizer.

PRECAUTIONS:

- The product causes severe skin burns and eye damage if contacted. Read the product Safety Data Sheet before use.
- DO NOT use on wool, silk or fabrics containing aramid fibers such as Nylon, Kevlar® and Nomex®.

DIRECTIONS FOR USE

USE ONLY WITH ECOLAB LAUNDRY DISPENSING SYSTEMS.

The dispensing rate is set on site by an Ecolab Laundry Specialist and may vary depending on soil type and amount, fabric type, water conditions, etc. No adjustment of the dispensing rate can be made except by an Ecolab Laundry Specialist. Remove or protect food products and packaging materials prior to using this product. All laundered fabrics for use in food plants must be thoroughly rinsed with potable water before reuse.

Recommended dosage:

Light: 3 - 4 fl oz / CWT (50 ppm),

Medium: 4 - 6 fl oz / CWT (75 ppm),

Heavy: 6 - 8 fl oz / CWT (100 ppm).

CWT=Hundred pounds machine capacity.

Ppm=Available chlorine concentration 1 minute after injection.

Use temperature range: 80°F to 160°F.

Product is freeze/thaw stable.

Store between 5°F (-15°C) and 104°F (40°C).

Product expires 160 days after its manufacture.

Consult your Ecolab Specialist or call 1-800-35 CLEAN (352-5326) for specific use directions, service, or additional information.

PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid
Color	Light yellow
Odor	Chlorine
pH	12.5, (100%); 10.2-10.8, (0.05%-0.13%).

INGREDIENTS:

Chemical Name/CAS (if present)

Sodium hypochlorite, 7681-52-9

Sodium hydroxide, 1310-73-2

Percentage

5 - 10

0.1 - 1

% P Formula ingredients contain no phosphorus.

PACKAGING / PRODUCT NUMBERS

Size Available	Product Number
2.5 U. S. Gallons (9.46 Liters)	6110261
5 U. S. Gallons (18.9 Liters)	6115982
15 U. S. Gallons (56.8 Liters)	6116146

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : LIQUID LAUNDRY CHLORINE BLEACH

Other means of identification : Not applicable

Recommended use : Laundry detergent

Restrictions on use : Reserved for industrial and professional use.

Product dilution information : 0.05 % - 0.13 %

Company : Ecolab Inc.
1 Ecolab Place
St. Paul, Minnesota USA 55102
1-800-352-5326

Emergency health information : 1-800-328-0026 (US/Canada), 1-651-222-5352 (outside US)

Issuing date : 05/13/2021

SECTION 2. HAZARDS IDENTIFICATION
GHS Classification
Product AS SOLD

Skin corrosion : Category 1A
Serious eye damage : Category 1

Product AT USE DILUTION

Not a hazardous substance or mixture.

GHS label elements
Product AS SOLD

Hazard pictograms :



Signal Word : Danger

Hazard Statements : Causes severe skin burns and eye damage.

Precautionary Statements : **Prevention:**
Wash skin thoroughly after handling. Wear protective gloves/ protective clothing/ eye protection/ face protection.
Response:
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor. Wash contaminated clothing before reuse.
Storage:

SAFETY DATA SHEET

LIQUID LAUNDRY CHLORINE BLEACH

Store locked up.

Disposal:

Dispose of contents/ container to an approved waste disposal plant.

Product AT USE DILUTION

Precautionary Statements

Prevention:

Wash hands thoroughly after handling.

Response:

Get medical advice/ attention if you feel unwell.

Storage:

Store in accordance with local regulations.

Product AS SOLD

Other hazards

: Mixing this product with acid or ammonia releases chlorine gas.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Product AS SOLD

Pure substance/mixture

: Mixture

Chemical name	CAS-No.	Concentration (%)
sodium hypochlorite	7681-52-9	10 - 30
Sodium hydroxide	1310-73-2	0.1 - 1

Product AT USE DILUTION

No hazardous ingredients

SECTION 4. FIRST AID MEASURES

Product AS SOLD

In case of eye contact

: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.

In case of skin contact

: Wash off immediately with plenty of water for at least 15 minutes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.

If swallowed

: Rinse mouth with water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.

If inhaled

: Remove to fresh air. Treat symptomatically. Get medical attention if symptoms occur.

Protection of first-aiders

: If potential for exposure exists refer to Section 8 for specific personal protective equipment.

Notes to physician

: Treat symptomatically.

Most important symptoms and effects, both acute and delayed

: See Section 11 for more detailed information on health effects and symptoms.

Product AT USE DILUTION

In case of eye contact

: Rinse with plenty of water.

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LIQUID LAUNDRY CHLORINE BLEACH

In case of skin contact	: Rinse with plenty of water.
If swallowed	: Rinse mouth. Get medical attention if symptoms occur.
If inhaled	: Get medical attention if symptoms occur.

SECTION 5. FIRE-FIGHTING MEASURES

Product AS SOLD

Suitable extinguishing media	: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable extinguishing media	: None known.
Specific hazards during fire fighting	: Not flammable or combustible.
Hazardous combustion products	: Decomposition products may include the following materials: Carbon oxides
Special protective equipment for fire-fighters	: Use personal protective equipment.
Specific extinguishing methods	: Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire and/or explosion do not breathe fumes.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Product AS SOLD

Personal precautions, protective equipment and emergency procedures	: Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Avoid inhalation, ingestion and contact with skin and eyes. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed in sections 7 and 8.
Environmental precautions	: Do not allow contact with soil, surface or ground water.
Methods and materials for containment and cleaning up	: Stop leak if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Isolate absorbed wastes contaminated with this product from other waste streams containing combustible materials (paper, wood fibers, cloth, etc.). Combustible materials exposed to this product should be rinsed immediately with large amounts of water to ensure that all product is removed. Residual product which is allowed to dry on organic materials such as rags, cloths, paper, fabrics, cotton, leather, wood, or other combustibles may spontaneously ignite and result in a fire.

Product AT USE DILUTION

Personal precautions, protective equipment and emergency procedures	: Refer to protective measures listed in sections 7 and 8.
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SAFETY DATA SHEET

LIQUID LAUNDRY CHLORINE BLEACH

Environmental precautions	: No special environmental precautions required.
Methods and materials for containment and cleaning up	: Stop leak if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

SECTION 7. HANDLING AND STORAGE

Product AS SOLD

Advice on safe handling	: Do not ingest. Do not get in eyes, on skin, or on clothing. Do not breathe dust/ fume/ gas/ mist/ vapors/ spray. Use only with adequate ventilation. Wash hands thoroughly after handling. Mixing this product with acid or ammonia releases chlorine gas. In case of mechanical malfunction, or if in contact with unknown dilution of product, wear full Personal Protective Equipment (PPE).
Conditions for safe storage	: Keep in a cool, well-ventilated place. Do not store near acids. Keep away from reducing agents. Keep away from combustible material. Keep out of reach of children. Keep container tightly closed. Store in suitable labeled containers.
Storage temperature	: -15 °C to 40 °C

Product AT USE DILUTION

Advice on safe handling	: Wash hands after handling. In case of mechanical malfunction, or if in contact with unknown dilution of product, wear full Personal Protective Equipment (PPE). For personal protection see section 8.
Conditions for safe storage	: Keep out of reach of children. Store in suitable labeled containers.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Product AS SOLD

Ingredients with workplace control parameters

Components	CAS-No.	Form of exposure	Permissible concentration	Basis
sodium hypochlorite	7681-52-9	STEL	2 mg/m ³	AIHA WEEL
sodium hydroxide	1310-73-2	Ceiling	2 mg/m ³	ACGIH
		Ceiling	2 mg/m ³	NIOSH REL
		TWA	2 mg/m ³	OSHA Z1

Engineering measures	: Effective exhaust ventilation system. Maintain air concentrations below occupational exposure standards.
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Personal protective equipment

Eye protection	: Wear eye protection and/or face protection.
Hand protection	: Wear the following personal protective equipment: Standard glove type. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.
Skin protection	: Personal protective equipment comprising: suitable protective gloves,

SAFETY DATA SHEET

LIQUID LAUNDRY CHLORINE BLEACH

- safety goggles and protective clothing
- Respiratory protection : When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
- Hygiene measures : Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Wash face, hands and any exposed skin thoroughly after handling. Provide suitable facilities for quick drenching or flushing of the eyes and body in case of contact or splash hazard.

Product AT USE DILUTION

- Engineering measures : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Personal protective equipment

- Eye protection : No special protective equipment required.
- Hand protection : No special protective equipment required.
- Skin protection : No special protective equipment required.
- Respiratory protection : No personal respiratory protective equipment normally required.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

	Product AS SOLD	Product AT USE DILUTION
Appearance	: liquid	liquid
Color	: light yellow	colorless
Odor	: Chlorine	Chlorine
pH	: 12.5, (100 %)	10.2 - 10.8
Flash point	: Not applicable	
Odor Threshold	: No data available	
Melting point/freezing point	: No data available	
Initial boiling point and boiling range	: No data available	
Evaporation rate	: No data available	
Flammability (solid, gas)	: Not applicable	
Upper explosion limit	: No data available	
Lower explosion limit	: No data available	
Vapor pressure	: No data available	
Relative vapor density	: No data available	
Relative density	: 1.154	
Water solubility	: No data available	
Solubility in other solvents	: No data available	
Partition coefficient: n-octanol/water	: No data available	
Autoignition temperature	: No data available	

SAFETY DATA SHEET

LIQUID LAUNDRY CHLORINE BLEACH

Thermal decomposition	: No data available
Viscosity, kinematic	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Molecular weight	: No data available
VOC	: No data available

SECTION 10. STABILITY AND REACTIVITY

Product AS SOLD

Reactivity	: No dangerous reaction known under conditions of normal use.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: Mixing this product with acid or ammonia releases chlorine gas.
Conditions to avoid	: None known.
Incompatible materials	: Acids Metals
Hazardous decomposition products	: In case of fire hazardous decomposition products may be produced such as: Carbon oxides

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure : Inhalation, Eye contact, Skin contact

Potential Health Effects

Product AS SOLD

Eyes	: Causes serious eye damage.
Skin	: Causes severe skin burns.
Ingestion	: Harmful if swallowed. Causes digestive tract burns.
Inhalation	: May cause nose, throat, and lung irritation.
Chronic Exposure	: Health injuries are not known or expected under normal use.

Product AT USE DILUTION

Eyes	: Health injuries are not known or expected under normal use.
Skin	: Health injuries are not known or expected under normal use.
Ingestion	: Health injuries are not known or expected under normal use.
Inhalation	: Health injuries are not known or expected under normal use.
Chronic Exposure	: Health injuries are not known or expected under normal use.

Experience with human exposure

SAFETY DATA SHEET

LIQUID LAUNDRY CHLORINE BLEACH

Product AS SOLD

Eye contact : Redness, Pain, Corrosion
Skin contact : Redness, Pain, Corrosion
Ingestion : Corrosion, Abdominal pain
Inhalation : Respiratory irritation, Cough

Product AT USE DILUTION

Eye contact : No symptoms known or expected.
Skin contact : No symptoms known or expected.
Ingestion : No symptoms known or expected.
Inhalation : No symptoms known or expected.

Toxicity

Product AS SOLD

Product

Acute oral toxicity : No data available
Acute inhalation toxicity : 4 h LC50 Rat: > 5 mg/l
Test substance: Product
Test atmosphere: dust/mist
Acute dermal toxicity : No data available
Skin corrosion/irritation : Corrosive
Serious eye damage/eye irritation : Corrosive
Respiratory or skin sensitization : No data available
Carcinogenicity : No data available
Reproductive effects : No data available
Germ cell mutagenicity : No data available
Teratogenicity : No data available
STOT-single exposure : No data available
STOT-repeated exposure : No data available
Aspiration toxicity : No data available

Components

Acute oral toxicity : sodium hypochlorite
LD50 Rat: 5,230 mg/kg

Components

Acute dermal toxicity : sodium hypochlorite
LD50 Rabbit: > 10,000 mg/kg

SECTION 12. ECOLOGICAL INFORMATION

Product AS SOLD

SAFETY DATA SHEET

LIQUID LAUNDRY CHLORINE BLEACH

Ecotoxicity

Environmental Effects : Very toxic to aquatic life.

Product

Toxicity to fish : 96 h LC50 *Oncorhynchus mykiss* (rainbow trout): 2.1 mg/l
96 h LC50 Inland Silverside: 7.6 mg/l

Toxicity to daphnia and other aquatic invertebrates : 48 h LC50 *Daphnia dubia* (Water flea): 0.57 mg/l
48 h LC50 *Americamysis bahia*: 18.1 mg/l

Toxicity to algae : No data available

Persistence and degradability

Product AS SOLD

Not applicable - inorganic

Product AT USE DILUTION

Not applicable - inorganic

Bioaccumulative potential

No data available

Mobility in soil

No data available

Other adverse effects

No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Product AS SOLD

Disposal methods : Do not contaminate ponds, waterways or ditches with chemical or used container. Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Dispose of wastes in an approved waste disposal facility.

Disposal considerations : Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers. Dispose of in accordance with local, state, and federal regulations.

RCRA - Resource Conservation and Recovery Authorization Act Hazardous waste : D002 (Corrosive)

Product AT USE DILUTION

Disposal methods : Diluted product can be flushed to sanitary sewer.

Disposal considerations : Dispose of in accordance with local, state, and federal regulations.

SECTION 14. TRANSPORT INFORMATION

Product AS SOLD

SAFETY DATA SHEET

LIQUID LAUNDRY CHLORINE BLEACH

The shipper/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

Land transport (DOT)

UN number : 1791
Description of the goods : Hypochlorite solutions
(sodium hypochlorite)
Class : 8
Packing group : III
Environmentally hazardous : no

Sea transport (IMDG/IMO)

UN number : 1791
Description of the goods : HYPOCHLORITE SOLUTION
(sodium hypochlorite)
Class : 8
Packing group : III
Marine pollutant : yes

SECTION 15. REGULATORY INFORMATION

Product AS SOLD

EPCRA - Emergency Planning and Community Right-to-Know

CERCLA Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
sodium hypochlorite	7681-52-9	100	1000

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards : Skin corrosion or irritation
Serious eye damage or eye irritation

SARA 302 : This material does not contain any components with a section 302 EHS TPQ.

SARA 313 : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

California Prop. 65

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

California Cleaning Product Right to Know Act of 2017 (SB 258)

This regulation applies to this product.

Chemical Name	CAS-No.	Function	List(s)
water	7732-18-5	Diluent	Not Applicable
sodium hypochlorite	7681-52-9	Cleaning Agent	Not Applicable
Sodium hydroxide	1310-73-2	Cleaning Agent	20

*refer to ecolab.com/sds for electronic links to designated lists

SAFETY DATA SHEET

LIQUID LAUNDRY CHLORINE BLEACH

The ingredients of this product are reported in the following inventories:

Switzerland. New notified substances and declared preparations :

On the inventory, or in compliance with the inventory

United States TSCA Inventory :

All substances listed as active on the TSCA inventory

Canadian Domestic Substances List (DSL) :

All components of this product are on the Canadian DSL

Australia. Australian Industrial Chemicals Introduction Scheme (AICIS) :

On the inventory, or in compliance with the inventory

New Zealand. Inventory of Chemical Substances :

not determined

Japan. ENCS - Existing and New Chemical Substances Inventory :

On the inventory, or in compliance with the inventory

Korea. Korean Existing Chemicals Inventory (KECI) :

On the inventory, or in compliance with the inventory

Philippines Inventory of Chemicals and Chemical Substances (PICCS) :

On the inventory, or in compliance with the inventory

China. Inventory of Existing Chemical Substances in China (IECSC) :

On the inventory, or in compliance with the inventory

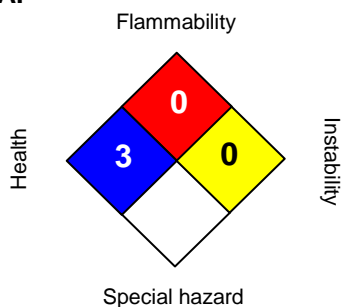
Taiwan Chemical Substance Inventory (TCSI) :

On the inventory, or in compliance with the inventory

SECTION 16. OTHER INFORMATION

Product AS SOLD

NFPA:



HMIS III:

HEALTH	3
FLAMMABILITY	0
PHYSICAL HAZARD	0

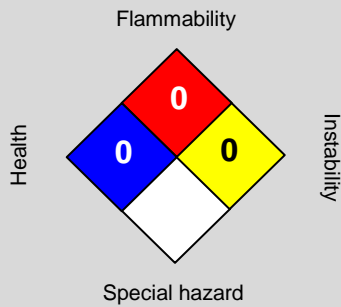
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2 = Moderate, 3 = High
4 = Extreme, * = Chronic

Product AT USE DILUTION

SAFETY DATA SHEET

LIQUID LAUNDRY CHLORINE BLEACH

NFPA:



HMIS III:

HEALTH	0
FLAMMABILITY	0
PHYSICAL HAZARD	0

0 = not significant, 1 = Slight,
2 = Moderate, 3 = High
4 = Extreme, * = Chronic

Issuing date : 05/13/2021
Version : 1.0
Prepared by : Regulatory Affairs

REVISED INFORMATION: Significant changes to regulatory or health information for this revision is indicated by a bar in the left-hand margin of the SDS.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Liquid Laundry Softener

CLASSIFICATION

Fabric Softener & Deodorizer

PRODUCT DESCRIPTION

Liquid Laundry Softener leaves linens soft and static free. The product adds a gentle, clean, fresh fragrance to laundered fabrics.

USE

FOR INDUSTRIAL USE ONLY

DIRECTIONS FOR USE

Use only with Ecolab Laundry Dispensing Systems.

The dispensing rate is set on-site by an Ecolab Laundry Specialist and may vary depending on soil type and amount, fabric type, water conditions, etc. No adjustment of the dispensing rate can be made except by an Ecolab Laundry Specialist.

Usage Temperature Range: 80°F - 110°F

Usage: 2 - 3 fl oz/CWT

fl oz/CWT=Fluid ounces per hundred pounds machine capacity.

Product is not freeze/thaw stable.

Store between 41°F and 104°F.

Product expires 1080 days after its manufacture.

Consult your Ecolab Specialist or call 1-800-35 CLEAN (352-5326) for specific use directions, service, or additional information.

PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid
Color	Opaque, green
Odor	Perfumes, fragrances
pH	2.1-3.5 (100%); 5.5-9.0 (Use dilution)

INGREDIENTS:

Chemical Name/CAS (if present)

Percentage

The Safety Data Sheet does not list any hazardous ingredients.

% P Formula ingredients do not contain phosphorus.

PACKAGING / PRODUCT NUMBERS

Size Available	Product Number
5 U. S. Gallons/18.9 Liters	6114310
15 U. S. Gallons/56.78 Liters	6114320



SAFETY DATA SHEET

LIQUID LAUNDRY SOFTENER

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : LIQUID LAUNDRY SOFTENER
Other means of identification : Not applicable
Recommended use : Laundry softener
Restrictions on use : Reserved for industrial and professional use.

Product dilution information : 0.03 % - 0.05 %

Company : Ecolab Inc.
1 Ecolab Place
St. Paul, Minnesota USA 55102
1-800-352-5326

Emergency health information : 1-800-328-0026 (US/Canada), 1-651-222-5352 (outside US)

Issuing date : 05/20/2021

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Product AS SOLD

Not a hazardous substance or mixture.

Product AT USE DILUTION

Not a hazardous substance or mixture.

GHS label elements

Product AS SOLD

Precautionary Statements : **Prevention:**
Wash hands thoroughly after handling.
Response:
Get medical advice/ attention if you feel unwell.
Storage:
Store in accordance with local regulations.

Product AT USE DILUTION

Precautionary Statements : **Prevention:**
Wash hands thoroughly after handling.
Response:
Get medical advice/ attention if you feel unwell.
Storage:
Store in accordance with local regulations.

Product AS SOLD

Other hazards : None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Product AS SOLD

Pure substance/mixture : Mixture

SAFETY DATA SHEET

LIQUID LAUNDRY SOFTENER

No hazardous ingredients

Product AT USE DILUTION

No hazardous ingredients

SECTION 4. FIRST AID MEASURES

Product AS SOLD

- In case of eye contact : Rinse with plenty of water.
- In case of skin contact : Rinse with plenty of water.
- If swallowed : Rinse mouth. Get medical attention if symptoms occur.
- If inhaled : Get medical attention if symptoms occur.
- Protection of first-aiders : No special precautions are necessary for first aid responders.
- Notes to physician : No specific measures identified.
- Most important symptoms and effects, both acute and delayed : See Section 11 for more detailed information on health effects and symptoms.

Product AT USE DILUTION

- In case of eye contact : Rinse with plenty of water.
- In case of skin contact : Rinse with plenty of water.
- If swallowed : Rinse mouth. Get medical attention if symptoms occur.
- If inhaled : Get medical attention if symptoms occur.

SECTION 5. FIRE-FIGHTING MEASURES

Product AS SOLD

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Unsuitable extinguishing media : None known.
- Specific hazards during fire fighting : Not flammable or combustible.
- Hazardous combustion products : Decomposition products may include the following materials:
Carbon oxides
Nitrogen oxides (NOx)
- Special protective equipment for fire-fighters : Use personal protective equipment.
- Specific extinguishing methods : Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

SECTION 6. ACCIDENTAL RELEASE MEASURES

SAFETY DATA SHEET

LIQUID LAUNDRY SOFTENER

Product AS SOLD

Personal precautions, protective equipment and emergency procedures : Refer to protective measures listed in sections 7 and 8.

Environmental precautions : No special environmental precautions required.

Methods and materials for containment and cleaning up : Stop leak if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway. Do not flush into surface water or sanitary sewer system.

Product AT USE DILUTION

Personal precautions, protective equipment and emergency procedures : Refer to protective measures listed in sections 7 and 8.

Environmental precautions : No special environmental precautions required.

Methods and materials for containment and cleaning up : Stop leak if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway. Do not flush into surface water or sanitary sewer system.

SECTION 7. HANDLING AND STORAGE

Product AS SOLD

Advice on safe handling : Wash hands after handling. In case of mechanical malfunction, or if in contact with unknown dilution of product, wear full Personal Protective Equipment (PPE). For personal protection see section 8.

Conditions for safe storage : Keep out of reach of children. Store in suitable labeled containers.

Storage temperature : 5 °C to 40 °C

Product AT USE DILUTION

Advice on safe handling : Wash hands after handling. In case of mechanical malfunction, or if in contact with unknown dilution of product, wear full Personal Protective Equipment (PPE). For personal protection see section 8.

Conditions for safe storage : Keep out of reach of children. Store in suitable labeled containers.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Product AS SOLD

Ingredients with workplace control parameters

Contains no substances with occupational exposure limit values.

Engineering measures : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

SAFETY DATA SHEET

LIQUID LAUNDRY SOFTENER

Personal protective equipment

- Eye protection : No special protective equipment required.
- Hand protection : No special protective equipment required.
- Skin protection : No special protective equipment required.
- Respiratory protection : No personal respiratory protective equipment normally required.
- Hygiene measures : Wash hands before breaks and immediately after handling the product.

Product AT USE DILUTION

- Engineering measures : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Personal protective equipment

- Eye protection : No special protective equipment required.
- Hand protection : No special protective equipment required.
- Skin protection : No special protective equipment required.
- Respiratory protection : No personal respiratory protective equipment normally required.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

	Product AS SOLD	Product AT USE DILUTION
Appearance	: liquid	liquid
Color	: opaque, green	colorless
Odor	: Perfumes, fragrances	Perfumes, fragrances
pH	: 2.1 - 3.5, (100 %)	5.5 - 9.0
Flash point	: Not applicable, Does not sustain combustion.	
Odor Threshold	: No data available	
Melting point/freezing point	: No data available	
Initial boiling point and boiling range	: > 100 °C	
Evaporation rate	: No data available	
Flammability (solid, gas)	: Not applicable	
Upper explosion limit	: No data available	
Lower explosion limit	: No data available	
Vapor pressure	: No data available	
Relative vapor density	: No data available	
Relative density	: 0.998 - 1.008	
Water solubility	: insoluble	
Solubility in other solvents	: No data available	
Partition coefficient: n-octanol/water	: No data available	

SAFETY DATA SHEET

LIQUID LAUNDRY SOFTENER

Autoignition temperature	: No data available
Thermal decomposition	: No data available
Viscosity, kinematic	: 76.279 mm ² /s (40 °C)
Explosive properties	: No data available
Oxidizing properties	: No data available
Molecular weight	: No data available
VOC	: No data available

SECTION 10. STABILITY AND REACTIVITY

Product AS SOLD

Reactivity	: No dangerous reaction known under conditions of normal use.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: No dangerous reaction known under conditions of normal use.
Conditions to avoid	: None known.
Incompatible materials	: None known.
Hazardous decomposition products	: In case of fire hazardous decomposition products may be produced such as: Carbon oxides Nitrogen oxides (NO _x)

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure : Inhalation, Eye contact, Skin contact

Potential Health Effects

Product AS SOLD

Eyes	: Health injuries are not known or expected under normal use.
Skin	: Health injuries are not known or expected under normal use.
Ingestion	: Health injuries are not known or expected under normal use.
Inhalation	: Health injuries are not known or expected under normal use.
Chronic Exposure	: Health injuries are not known or expected under normal use.

Product AT USE DILUTION

Eyes	: Health injuries are not known or expected under normal use.
Skin	: Health injuries are not known or expected under normal use.
Ingestion	: Health injuries are not known or expected under normal use.
Inhalation	: Health injuries are not known or expected under normal use.
Chronic Exposure	: Health injuries are not known or expected under normal use.

SAFETY DATA SHEET

LIQUID LAUNDRY SOFTENER

Experience with human exposure

Product AS SOLD

Eye contact : No symptoms known or expected.
Skin contact : No symptoms known or expected.
Ingestion : No symptoms known or expected.
Inhalation : No symptoms known or expected.

Product AT USE DILUTION

Eye contact : No symptoms known or expected.
Skin contact : No symptoms known or expected.
Ingestion : No symptoms known or expected.
Inhalation : No symptoms known or expected.

Toxicity

Product AS SOLD

Product

Acute oral toxicity : Acute toxicity estimate : > 5,000 mg/kg
Acute inhalation toxicity : No data available
Acute dermal toxicity : No data available
Skin corrosion/irritation : No data available
Serious eye damage/eye irritation : No data available
Respiratory or skin sensitization : No data available
Carcinogenicity : No data available
Reproductive effects : No data available
Germ cell mutagenicity : No data available
Teratogenicity : No data available
STOT-single exposure : No data available
STOT-repeated exposure : No data available
Aspiration toxicity : No data available

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Product AS SOLD

Environmental Effects : Harmful to aquatic life.

Product AT USE DILUTION

Environmental Effects : This product has no known ecotoxicological effects.

Product AS SOLD

Product

SAFETY DATA SHEET

LIQUID LAUNDRY SOFTENER

Toxicity to fish : 96 h LC50: 16.7 mg/l

Toxicity to daphnia and other aquatic invertebrates : No data available

Toxicity to algae : No data available

Persistence and degradability

Product AT USE DILUTION

Not applicable - inorganic

Bioaccumulative potential

No data available

Mobility in soil

No data available

Other adverse effects

No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Product AS SOLD

Disposal methods : Do not contaminate ponds, waterways or ditches with chemical or used container. Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Dispose of wastes in an approved waste disposal facility.

Disposal considerations : Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers. Dispose of in accordance with local, state, and federal regulations.

Product AT USE DILUTION

Disposal methods : Diluted product can be flushed to sanitary sewer.

Disposal considerations : Dispose of in accordance with local, state, and federal regulations.

SECTION 14. TRANSPORT INFORMATION

Product AS SOLD

The shipper/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

Land transport (DOT)

Not dangerous goods

Sea transport (IMDG/IMO)

Not dangerous goods

SECTION 15. REGULATORY INFORMATION

Product AS SOLD

EPCRA - Emergency Planning and Community Right-to-Know

SAFETY DATA SHEET

LIQUID LAUNDRY SOFTENER

CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards : No SARA Hazards

SARA 302 : This material does not contain any components with a section 302 EHS TPQ.

SARA 313 : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

California Prop. 65

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

California Cleaning Product Right to Know Act of 2017 (SB 258)

This regulation applies to this product.

Chemical Name	CAS-No.	Function	List(s)
water	7732-18-5	Diluent	Not Applicable
ethanaminium, 2-hydroxy-n,n-bis(2-hydroxyethyl)-n-methyl-, esters with c16-18 and c18-unsatd. fatty acids, me sulfates (157905-74-3	Cleaning Agent	Not Applicable
oxydipropanol	25265-71-8	Fragrance	Not Applicable
Ionone, methyl-	1335-46-2	Fragrance	Not Applicable
4-tert-butylcyclohexyl acetate	32210-23-4	Fragrance	Not Applicable
3,7-dimethyloct-6-enenitrile	51566-62-2	Fragrance	Not Applicable
Benzoic acid, 2-hydroxy-, pentyl ester	2050-08-0	Fragrance	Not Applicable
Diethyl Phthalate	84-66-2	Fragrance	19, 21, NFC
7-octen-2-ol, 2,6-dimethyl-	18479-58-8	Fragrance	Not Applicable
3-cyclohexene-1-methanol, .alpha.,.alpha.,4-trimethyl-	98-55-5	Fragrance	Not Applicable
Amyl cinnamal	122-40-7	Fragrance	FRA
phenethyl alcohol	60-12-8	Fragrance	Not Applicable
benzyl acetate	140-11-4	Fragrance	Not Applicable
Colorant	Withheld	Dye	Not Applicable
Halogenated thiazole	Withheld	Biocide	Not Applicable
Isothiazolinones	Withheld	Biocide	Not Applicable

*refer to ecolab.com/sds for electronic links to designated lists

The ingredients of this product are reported in the following inventories:

United States TSCA Inventory :

All substances listed as active on the TSCA inventory

Canadian Domestic Substances List (DSL) :

All components of this product are on the Canadian DSL

Australia. Australian Industrial Chemicals Introduction Scheme (AICIS) :

not determined

New Zealand. Inventory of Chemical Substances :

SAFETY DATA SHEET

LIQUID LAUNDRY SOFTENER

not determined

Japan. ENCS - Existing and New Chemical Substances Inventory :
not determined

Korea. Korean Existing Chemicals Inventory (KECI) :
not determined

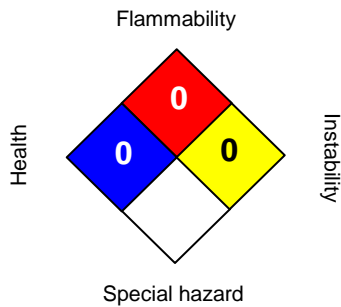
Philippines Inventory of Chemicals and Chemical Substances (PICCS) :
not determined

China. Inventory of Existing Chemical Substances in China (IECSC) :
On the inventory, or in compliance with the inventory

Taiwan Chemical Substance Inventory (TCSI) :
On the inventory, or in compliance with the inventory

SECTION 16. OTHER INFORMATION

Product AS SOLD NFPA:

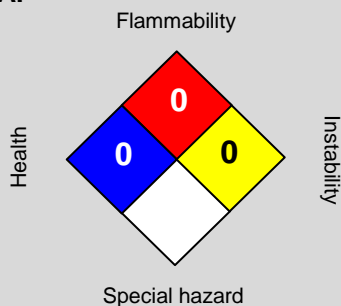


HMIS III:

HEALTH	0
FLAMMABILITY	0
PHYSICAL HAZARD	0

0 = not significant, 1 = Slight,
2 = Moderate, 3 = High
4 = Extreme, * = Chronic

Product AT USE DILUTION NFPA:



HMIS III:

HEALTH	0
FLAMMABILITY	0
PHYSICAL HAZARD	0

0 = not significant, 1 = Slight,
2 = Moderate, 3 = High
4 = Extreme, * = Chronic

Issuing date : 05/20/2021
Version : 1.0
Prepared by : Regulatory Affairs

REVISED INFORMATION: Significant changes to regulatory or health information for this revision is indicated by a bar in the left-hand margin of the SDS.

SAFETY DATA SHEET

LIQUID LAUNDRY SOFTENER

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Lime-A-Way™

CLASSIFICATION

Multipurpose Lime Scale Remover

PRODUCT DESCRIPTION

Deliming plays a critical role in dishmachine maintenance. Ecolab offers a full line of Lime-A-Way products to effectively delime dishmachines and surrounding stainless steel.

Lime-A-Way has the following additional uses:

- Delime steam tables
- Descale coffee urns
- Clean aluminum equipment
- Floor grout residue
- Floor surface rust removal
- Floor efflorescence
- Floor cement removal.

USE

**FOR INDUSTRIAL USE ONLY – NOT FOR HOUSEHOLD USE
KEEP OUT OF REACH OF CHILDREN**

Precautions: Causes severe burns and eye damage upon contact. Read this product's Safety Data Sheet (SDS) before use.

DIRECTIONS FOR USE

DELIMING DISHMACHINES - Fill tank 2 to 3 inches below overflow. Turn on tank heaters. Add entire contents of container of the product and run the machine until lime scale disappears. Apply full strength where spray does not reach. Scrape off heavy lime build-up. Drain Tank. Refill with potable water. Run machine 5 minutes and drain. Delime as necessary to prevent reoccurrence of lime scale.

DELIMING STEAM TABLES - Brush or spray the product full strength on interior surfaces. Let stand 10 minutes, then fill with water. Turn on heat and bring to operating temperature. Let stand 10 minutes. Brush or scrape off remaining deposits. Drain and flush thoroughly with potable water.

DESCALING COFFEE URNS - Fill urn jacket with hot water. Add 1 fl oz of the product per gal (8 mL/L) hot water. Heat and let stand 15 minutes. Drain and rinse thoroughly with potable water.

CLEANING ALUMINUM EQUIPMENT - Soak utensils in solution of 3 fl oz of the product per gal (23 mL/L) of hot water until bright. Rinse thoroughly with potable water and drain dry. Avoid prolonged contact with aluminum.

FLOOR USE FOR GROUT RESIDUE, EFFLORESCENCE, SURFACE RUST AND CEMENT AND LIME RESIDUE REMOVAL - Test for acid sensitivity in an inconspicuous area. Protect all acid sensitive surrounding areas. Not for use on marble, limestone or slate. Dilute up to 1:5 with water depending on degree of soil to be removed. Apply solution to area to be cleaned and immediately begin agitating with scrub brush, either by hand brush or with a floor machine. When residues have been removed, wet vacuum and rinse thoroughly. Wet vacuum again and repeat if necessary.

NOTE: Do not allow solution to dry on surface. Do not use on marble, limestone or slate.

Avoid food contamination during application and storage. Do not store in food processing areas.

Product is freeze/thaw stable.

Store between 32°F (0°C) and 122°F (50°C).

Product expires 1080 days after its manufacture.

Consult your Ecolab Specialist or call 1-800-35 CLEAN (352-5326) for specific use directions, service, or additional information.

PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid
Color	Clear, green
Odor	Odorless
pH	0 - 0.5 (100%), 1.21 - 2.06 (Use dilution)

INGREDIENTS:

Chemical Name/CAS (if present)	Percentage
Nitric acid, 7697-37-2	5 - 10
Citric acid, 77-92-9	1 - 5

% P Formula ingredients contain trace levels of phosphorus.

PACKAGING / PRODUCT NUMBERS

Size Available	Product Number
4 X 1 US Gallons/3.78 Liters	6101131
55 US Gallons/208 Liters	6101133

LIME-A-WAY

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

- Product name LIME-A-WAY
- Other means of identification Not applicable
- Recommended use Delimer
- Restrictions on use Reserved for industrial and professional use.

Product dilution information 0.8 - 4.0

Company Ecolab Inc.
1 Ecolab Place
St. Paul, Minnesota US 55102
1-800-352-5326

Emergency contact information 1-800-328-0026 (US/Canada) 1-651-222-5352 (outside US)

Issuing date 03/1/2021

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification


Product AS SOLD

- Skin corrosion Category 1
- Serious eye damage Category 1

Product AT USE DILUTION
 Skin corrosion Category 1
 Serious eye damage Category 1

GHS label elements

Product AS SOLD

- Hazard pictograms 

Signal word Danger

Hazard Statements Causes severe skin burns and eye damage.

Precautionary Statements **Prevention:**
 Wash hands thoroughly after handling. Wear protective gloves, protective clothing, eye protection, face protection.
Response:
 If swallowed: Do NOT induce vomiting. IF ON SKIN or hair: Take off immediately all contaminated clothing. Rinse skin with water soaper. IF IN EYES: Remove person to fresh air and see comfortable for breathing. Immediately call a POISON CENTER or doctor. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor. Do not reuse contaminated clothing before reuse.

SAFETY DATA SHEET

LIME-A-WAY

Storage:

Store locked up.

Disposal:

Dispose of contents/container to an approved waste disposal plant.

Product AT USE DILUTION

Hazard pictograms



Signal word

Danger

Hazard Statements

Causes severe skin burns and eye damage.

Precautionary Statements

Prevention:

Wash thoroughly after handling. Wear protective gloves

protective clothing, eye protection, face protection.

Response:

SKIN CONTACT: Rinse mouth. Do NOT induce vomiting. **ON SKIN**
 or **hair:** Take off immediately all contaminated clothing. Rinse skin
 with water thoroughly. **INHALED:** Remove person to fresh air and
 see comfortable for breathing. Immediately call a POISON CENTER
doctor. **IN EYES:** Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing.
Immediately call a POISON CENTER doctor. **as contaminated**
clothing before reuse.

Storage:

Store locked up.

Disposal:

Dispose of contents/container to an approved waste disposal plant.

Product AS SOLD

Other hazards

Do not mix with bleach or other chlorinated products – will cause chlorine gas.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Product AS SOLD

Pure substance/mixture

Mixture

Chemical name

Nitric acid

citric acid

CAS-No.

7697-37-2

77-92-9

Concentration (%)

5 - 10

1 - 5

Product AT USE DILUTION

No hazardous ingredients

SECTION 4. FIRST AID MEASURES

Product AS SOLD

In case of eye contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.

In case of skin contact

Wash immediately with plenty of water for at least 15 minutes. Use a mild soap if available. Wash clothing before reuse. Thoroughly clean

SAFETY DATA SHEET

LIME-A-WAY

soes before reuse. Get medical attention immediately

Inhalation

Rinse mouth with water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately

Inhaled

Remove to fresh air. Treat symptomatically. Get medical attention if symptoms occur.

Protection of first-aiders

Liability for exposure exists refer to Section 8 for specific personal protective equipment.

Notes to physician

Treat symptomatically

Most important symptoms and effects, both acute and delayed

See Section 11 for more detailed information on health effects and symptoms.

Product AT USE DILUTION

In case of eye contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately

In case of skin contact

Wash immediately with plenty of water for at least 15 minutes. Use a mild soap if available. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately

Inhalation

Rinse mouth with water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately

Inhaled

Remove to fresh air. Treat symptomatically. Get medical attention if symptoms occur.

SECTION 5. FIRE-FIGHTING MEASURES

Product AS SOLD

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media

None known.

Specific hazards during fire fighting

Not flammable or combustible.

Hazardous combustion products

Decomposition products may include the following materials:
Carbon oxides
Nitrogen oxides (NOx)

Special protective equipment for fire-fighters

Use personal protective equipment.

Specific extinguishing methods

Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire and/or explosion do not breathe fumes.

SECTION 6. ACCIDENTAL RELEASE MEASURES

SAFETY DATA SHEET

LIME-A-WAY

Product AS SOLD

Personal precautions,
protective equipment and
emergency procedures

- Ensure adequate ventilation. See also the appendix and avoid of spillage. Avoid inhalation, ingestion and contact with skin and eyes. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed in sections 7 and 8.

Environmental precautions

- Do not allow contact with soil, surface or ground water.

Methods and materials for
containment and cleaning up

- Stop leakage immediately to do so. Contain spillage, and then collect with non-combustible absorbent material, e.g. sand, earth, diatomaceous earth, vermiculite and place in container for disposal according to local national regulations (see section 13) or large spills, dilute spilled material or otherwise contain material to ensure runoff does not reach a waterway.

Product AT USE DILUTION

Personal precautions,
protective equipment and
emergency procedures

- Ensure adequate ventilation. See also the appendix and avoid of spillage. Avoid inhalation, ingestion and contact with skin and eyes. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed in sections 7 and 8.

Environmental precautions

- Do not allow contact with soil, surface or ground water.

Methods and materials for
containment and cleaning up

- Stop leakage immediately to do so. Contain spillage, and then collect with non-combustible absorbent material, e.g. sand, earth, diatomaceous earth, vermiculite and place in container for disposal according to local national regulations (see section 13) or large spills, dilute spilled material or otherwise contain material to ensure runoff does not reach a waterway.

SECTION 7. HANDLING AND STORAGE

Product AS SOLD

Advice on safe handling

- Do not ingest. Do not get in eyes, on skin, or on clothing. Do not breathe dust, fume, gas, mist, vapors or spray. Use only with adequate ventilation. Wash hands thoroughly after handling. Do not mix with bleach or other chlorinated products – will cause chlorine gas. In case of mechanical malfunction, or in contact with unknown dilution of product, wear full Personal Protective Equipment (PPE).

Conditions for safe storage

- Keep away from strong bases. Keep out of reach of children. Store in suitable labeled containers.

Storage temperature

- 0 °C to 50 °C

Product AT USE DILUTION

Advice on safe handling

- Do not ingest. Do not get in eyes, on skin, or on clothing. Do not breathe dust, fume, gas, mist, vapors or spray. Use only with adequate ventilation. Wash hands thoroughly after handling. In case of mechanical malfunction, or in contact with unknown dilution of product, wear full Personal Protective Equipment (PPE).

Conditions for safe storage

- Keep out of reach of children. Store in suitable labeled containers.

SAFETY DATA SHEET

LIME-A-WAY

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Product AS SOLD

Ingredients with workplace control parameters

Components	CS-No.	Form of exposure	Permissible concentration	Basis
Nitric acid	7697-37-2	T _{WA}	2 ppm	CGI
		STEL	4 ppm	CGI
		STEL	4 ppm 10 mg/m ³	NIOSH REL
		T _{WA}	2 ppm 5 mg/m ³	NIOSH REL
		T _{WA}	2 ppm 5 mg/m ³	OSHA Z1

Engineering measures Effective exhaust ventilation system. Maintain air concentrations below occupational exposure standards.

Personal protective equipment

Eye protection Ear eye protection face protection.

Hand protection Ear the following personal protective equipment
Standard glove type.
Gloves should be discarded and replaced if there is an indication of degradation or chemical breakthrough.

Skin protection Personal protective equipment comprising suitable protective gloves, safety goggles and protective clothing

Respirator protection When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Hygiene measures Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use.
Wash face, hands and any exposed skin thoroughly after handling.
Provide suitable facilities for quick drenching or flushing of the eyes and body in case of contact or splash hazard.

Product AT USE DILUTION

Engineering measures Effective exhaust ventilation system. Maintain air concentrations below occupational exposure standards.

Personal protective equipment

Eye protection Ear eye protection face protection.

Hand protection Ear the following personal protective equipment
Standard glove type.
Gloves should be discarded and replaced if there is an indication of degradation or chemical breakthrough.

Skin protection Personal protective equipment comprising suitable protective gloves, safety goggles and protective clothing

Respirator protection When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

SAFETY DATA SHEET

LIME-A-WAY

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

	Product AS SOLD	Product AT USE DILUTION
Appearance	<input type="checkbox"/> Aqueous solution	liquid
Color	<input type="checkbox"/> clear, green	green
Odor	<input type="checkbox"/> odorless	odorless
Odor	<input type="checkbox"/> 0.5, 100	1.21 - 2.06
Flash point	<input type="checkbox"/> Not applicable	
Odor Threshold	<input type="checkbox"/> No data available	
Melting point/Freezing point	<input type="checkbox"/> No data available	
Initial boiling point and boiling range	<input type="checkbox"/> 100 °C	
Evaporation rate	<input type="checkbox"/> No data available	
Flammability (solid, gas)	<input type="checkbox"/> Not applicable	
Upper explosion limit	<input type="checkbox"/> No data available	
Lower explosion limit	<input type="checkbox"/> No data available	
Vapor pressure	<input type="checkbox"/> No data available	
Relative vapor density	<input type="checkbox"/> No data available	
Relative density	<input type="checkbox"/> 1.03 - 1.11	
Water solubility	<input type="checkbox"/> No data available	
Solubility in other solvents	<input type="checkbox"/> No data available	
Partition coefficient n-octanol/water	<input type="checkbox"/> No data available	
Autoignition temperature	<input type="checkbox"/> No data available	
Thermal decomposition	<input type="checkbox"/> No data available	
Viscosity (dynamic)	<input type="checkbox"/> No data available	
Explosive properties	<input type="checkbox"/> No data available	
Oxidizing properties	<input type="checkbox"/> The substance or mixture is not classified as oxidizing.	
Molecular weight	<input type="checkbox"/> No data available	
VOC	<input type="checkbox"/> No data available	

SECTION 10. STABILITY AND REACTIVITY

Product AS SOLD

Reactivity	<input type="checkbox"/> No dangerous reaction when under conditions of normal use.
Chemical stability	<input type="checkbox"/> Stable under normal conditions.
Possibility of hazardous reactions	<input type="checkbox"/> Do not mix with bleach or other chlorinated products – will cause chlorine gas.
Conditions to avoid	<input type="checkbox"/> None when.
Incompatible materials	<input type="checkbox"/> Bases

SAFETY DATA SHEET

LIME-A-WAY

- | | |
|---|--|
| <input type="checkbox"/> Hazardous decomposition products | <input type="checkbox"/> In case of fire hazardous decomposition products may be produced such as:
Carbon oxides
Nitrogen oxides (NOx) |
|---|--|

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure: Inhalation, Eye contact, Skin contact, Ingestion

Potential Health Effects

Product AS SOLD

- | | |
|------------------|--|
| Eye | <input type="checkbox"/> Causes serious eye damage. |
| Skin | <input type="checkbox"/> Causes severe skin burns. |
| Ingestion | <input type="checkbox"/> Causes digestive tract burns. |
| Inhalation | <input type="checkbox"/> May cause nose, throat, and lung irritation. |
| Chronic Exposure | <input type="checkbox"/> Health injuries are not known or expected under normal use. |

Product AT USE DILUTION

- | | |
|------------------|--|
| Eye | <input type="checkbox"/> Causes serious eye damage. |
| Skin | <input type="checkbox"/> Causes severe skin burns. |
| Ingestion | <input type="checkbox"/> Causes digestive tract burns. |
| Inhalation | <input type="checkbox"/> May cause nose, throat, and lung irritation. |
| Chronic Exposure | <input type="checkbox"/> Health injuries are not known or expected under normal use. |

Experience with human exposure

Product AS SOLD

- | | |
|--------------|--|
| Eye contact | <input type="checkbox"/> Redness, Pain, Corrosion |
| Skin contact | <input type="checkbox"/> Redness, Pain, Corrosion |
| Ingestion | <input type="checkbox"/> Corrosion, abdominal pain |
| Inhalation | <input type="checkbox"/> Respiratory irritation, Cough |

Product AT USE DILUTION

- | | |
|--------------|--|
| Eye contact | <input type="checkbox"/> Redness, Pain, Corrosion |
| Skin contact | <input type="checkbox"/> Redness, Pain, Corrosion |
| Ingestion | <input type="checkbox"/> Corrosion, abdominal pain |
| Inhalation | <input type="checkbox"/> Respiratory irritation, Cough |

Toxicity

Product AS SOLD

- | | |
|---------------------|--|
| Product | <input type="checkbox"/> No data available |
| Acute oral toxicity | <input type="checkbox"/> No data available |

SAFETY DATA SHEET

LIME-A-WAY

- | | |
|--|--|
| <input type="checkbox"/> Acute inhalation toxicity | <input type="checkbox"/> No data available |
| <input type="checkbox"/> Acute dermal toxicity | <input type="checkbox"/> No data available |
| <input type="checkbox"/> Skin corrosion/irritation | <input type="checkbox"/> No data available |
| <input type="checkbox"/> Serious eye damage/eye irritation | <input type="checkbox"/> No data available |
| <input type="checkbox"/> Respiratory or skin sensitization | <input type="checkbox"/> No data available |
| <input type="checkbox"/> Carcinogenicity | <input type="checkbox"/> No data available |
| <input type="checkbox"/> Reproductive effects | <input type="checkbox"/> No data available |
| <input type="checkbox"/> Germ cell mutagenicity | <input type="checkbox"/> No data available |
| <input type="checkbox"/> Teratogenicity | <input type="checkbox"/> No data available |
| <input type="checkbox"/> STOT-single exposure | <input type="checkbox"/> No data available |
| <input type="checkbox"/> STOT-repeated exposure | <input type="checkbox"/> No data available |
| <input type="checkbox"/> Irritation to fish | <input type="checkbox"/> No data available |

Components

- | | |
|--|---|
| <input type="checkbox"/> Acute oral toxicity | <input type="checkbox"/> citric acid
LD50 Rat 11,700 mg/kg |
|--|---|

SECTION 12. ECOLOGICAL INFORMATION

Product AS SOLD Ecotoxicity

- | | |
|--|--|
| <input type="checkbox"/> Environmental Effects | <input type="checkbox"/> This product has no known ecotoxicological effects. |
|--|--|

Product

- | | |
|--|--|
| <input type="checkbox"/> Toxicity to fish | <input type="checkbox"/> No data available |
| <input type="checkbox"/> Toxicity to daphnia and other aquatic invertebrates | <input type="checkbox"/> No data available |
| <input type="checkbox"/> Toxicity to algae | <input type="checkbox"/> No data available |

Components

- | | |
|---|---|
| <input type="checkbox"/> Toxicity to fish | <input type="checkbox"/> Nitric acid
96 h LC50 72 mg/l |
| | citric acid
96 h LC50 100 mg/l |

Persistence and degradability

Product AS SOLD

Readily biodegradable.

Product AT USE DILUTION

Readily biodegradable.

Bioaccumulative potential

No data available

Mobility in soil

SAFETY DATA SHEET

LIME-A-WAY

No data available

Other adverse effects

No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Product AS SOLD

Disposal methods Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Dispose of wastes in an approved waste disposal facility.

Disposal considerations Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not reuse empty containers. Dispose of in accordance with local, state, and federal regulations.

RCR - Resource Conservation and Recovery Act Hazardous Waste D002 (Corrosive)

Product AT USE DILUTION

Disposal methods Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Dispose of wastes in an approved waste disposal facility.

Disposal considerations Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not reuse empty containers. Dispose of in accordance with local, state, and federal regulations.

SECTION 14. TRANSPORT INFORMATION

Product AS SOLD

The seller/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

Land transport (DOT)

UN number 3264
Description of the goods Corrosive liquid, acidic, inorganic, n.o.s.
 Nitric acid, Citric acid
Class 8
Packaging group II
Environmentally hazardous no

Sea transport (IMDG/IMO)

UN number 3264
Description of the goods CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.
 Nitric acid, Citric acid
Class 8
Packaging group II
Marine pollutant no

SECTION 15. REGULATORY INFORMATION

SAFETY DATA SHEET

LIME-A-WAY

Product AS SOLD

EPCRA - Emergency Planning and Community Right-to-Know

CERCLA Reportable Quantity

Components	COS-No.	Component RQ (lbs)	Calculated Product RQ (lbs)
Nitric acid	7697-37-2	1000	11706

SARA 304 Extremely Hazardous Substances Reportable Quantity

Components	COS-No.	Component RQ (lbs)	Calculated Product RQ (lbs)
Nitric acid	7697-37-2	1000	11706

SARA 311/312 Hazards

- Skin corrosion or irritation
- Serious eye damage or eye irritation

SARA 302

- The following components are subject to reporting levels established by SARA Title III, Section 302
- Nitric acid 7697-37-2 5 - 10

SARA 313

- The following components are subject to reporting levels established by SARA Title III, Section 313
- Nitric acid 7697-37-2 5 - 10

California Prop. 65

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

California Cleaning Product Right to Know Act of 2017 (SB 258)

This regulation applies to this product.

Chemical Name	COS-No.	Function	Lists
Water	7732-18-5	Diluent	Not applicable
Nitric acid	7697-37-2	Cleaning agent	20
citric acid	77-92-9	Cleaning agent	Not applicable
Perosulfonic acid	7664-38-2	Cleaning agent	20
Nonionic surfactant	iteld	Cleaning agent	Not applicable
Colorant	iteld	Dye	Not applicable
Colorant	iteld	Dye	Not applicable

Refer to ecolab.com/sds or electronic links to designated lists

The ingredients of this product are reported in the following inventories:

United States TSCA Inventory

All substances listed as active on the TSCA inventory

Canadian Domestic Substances List (DSL)

This product contains one or several components listed in the Canadian NDSL.

Australia. Australian Industrial Chemicals Introduction Scheme (AICIS)

On the inventory, or in compliance with the inventory

New Zealand. Inventory of Chemical Substances

not determined

SAFETY DATA SHEET

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Japan. ENCS - Existing and New Chemical Substances Inventory

On the inventor's or in compliance with the inventor's

Korea. Korean Existing Chemicals Inventory (KECI)

On the inventor's or in compliance with the inventor's

Philippines Inventory of Chemicals and Chemical Substances (PICCS)

On the inventor's or in compliance with the inventor's

China. Inventory of Existing Chemical Substances in China (IECSC)

On the inventor's or in compliance with the inventor's

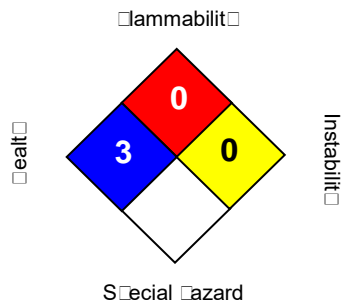
Taiwan Chemical Substance Inventory (TCSI)

On the inventor's or in compliance with the inventor's

SECTION 16. OTHER INFORMATION

Product AS SOLD

NFPA:



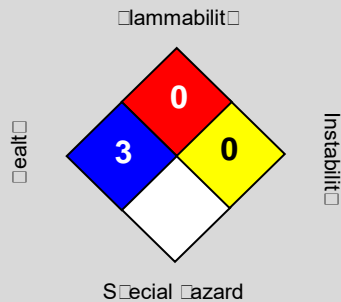
HMIS III:

HEALTH	3
FLAMMABILITY	0
PHYSICAL HAZARD	0

0 = not significant, 1 = Slight,
2 = Moderate, 3 = Significant
4 = Extreme, ☐☐ Chronic

Product AT USE DILUTION

NFPA:



HMIS III:

HEALTH	3
FLAMMABILITY	0
PHYSICAL HAZARD	0

0 = not significant, 1 = Slight,
2 = Moderate, 3 = Significant
4 = Extreme, ☐☐ Chronic

Issuing date 03/11/2021
Version 1.11
Prepared by Regulator's Affairs

REVISED INFORMATION: Significant changes to regulator's or health information for this revision is indicated by a bar in the left-hand margin of the SDS.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is

SAFETY DATA SHEET

LIME-A-WAY

not to be considered a warrant or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with another material or in an application, unless specified in the text.

Glass Cleaner

CLASSIFICATION

Glass Cleaner

PRODUCT DESCRIPTION

Glass Cleaner concentrate is formulated from plant-derived surfactants to effectively remove tough soils including smoke and grease films. Streak-free, fast-drying performance on windows, mirrors, glass, plastic, acrylics and painted surfaces. This product is Green Seal™(GS-37) certified. Glass Cleaner is a USDA certified biobased product with a biobased content of 93.0%.

USE

FOR INDUSTRIAL USE ONLY – NOT FOR HOUSEHOLD USE
KEEP FROM FREEZING
DO NOT MIX WITH ANYTHING BUT COLD TAP WATER.

DIRECTIONS FOR USE

Use spray bottle labeled for this product only for mixing and dispensing product.

1. Fill spray bottle with dilute solution.
2. Thoroughly wet the surface with product. Allow a few minutes to work.
3. Wipe clean and dry with clean cloth, sponge, or rag. Rinse as needed.

DILUTION RATES:

Light Duty: 4 US fl oz/US gal (31.21 mL/L) (1:32).

Heavy Duty: 8 US fl oz/US gal (62.43 mL/L) (1:16).

Product AS SOLD

Eyes: Eye protection should be used when splashing may occur.

Hands: No protective equipment is needed under normal use conditions.

Skin: No protective equipment is needed under normal use conditions.

Respiratory: No special protection is required.

Product AT USE DILUTION

Eyes: No protective equipment is needed under normal use conditions.

Hands: No protective equipment is needed under normal use conditions.

Skin: No protective equipment is needed under normal use conditions.

Respiratory: No special protection is required.

Improper use or dilution may increase the risk of health effects and cause surface damage or staining

Waste disposal

Product AS SOLD

Diluted product can be flushed to sanitary sewer.

Recycle empty container.

Product AT USE DILUTION

Diluted product can be flushed to sanitary sewer.

Recycle empty container.

Refer to product MSDS for further information.

For service or additional information, call 1-800-35-CLEAN (352-5326).



SAFETY DATA SHEET

GLASS CLEANER

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : GLASS CLEANER
Other means of identification : Not applicable
Recommended use : Glass Cleaner
Restrictions on use : Reserved for industrial and professional use.

Product dilution information : 3.12 % - 6.24 %

Company : Ecolab Inc.
1 Ecolab Place
St. Paul, Minnesota USA 55102
1-800-352-5326

Emergency health information : 1-800-328-0026 (US/Canada), 1-651-222-5352 (outside US)

Issuing date : 05/14/2019

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Product AS SOLD

Eye irritation : Category 2B

Product AT USE DILUTION

Not a hazardous substance or mixture.

GHS label elements

Product AS SOLD

Signal Word : Warning

Hazard Statements : Causes eye irritation.

Precautionary Statements : **Prevention:**
Wash skin thoroughly after handling.
Response:
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/ attention.

Product AT USE DILUTION

Precautionary Statements : **Prevention:**
Wash hands thoroughly after handling.
Response:
Get medical advice/ attention if you feel unwell.
Storage:
Store in accordance with local regulations.

Product AS SOLD

Other hazards : None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

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GLASS CLEANER

Product AS SOLD

Pure substance/mixture : Mixture

Chemical name	CAS-No.	Concentration (%)
d-glucopyranose, oligomeric, decyl octyl glycosides	68515-73-1	5 - 10

Product AT USE DILUTION

No hazardous ingredients

SECTION 4. FIRST AID MEASURES

Product AS SOLD

In case of eye contact : Rinse with plenty of water.

In case of skin contact : Rinse with plenty of water.

If swallowed : Rinse mouth. Get medical attention if symptoms occur.

If inhaled : Get medical attention if symptoms occur.

Protection of first-aiders : No special precautions are necessary for first aid responders.

Notes to physician : Treat symptomatically.

Most important symptoms and effects, both acute and delayed : See Section 11 for more detailed information on health effects and symptoms.

Product AT USE DILUTION

In case of eye contact : Rinse with plenty of water.

In case of skin contact : Rinse with plenty of water.

If swallowed : Rinse mouth. Get medical attention if symptoms occur.

If inhaled : Get medical attention if symptoms occur.

SECTION 5. FIRE-FIGHTING MEASURES

Product AS SOLD

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media : None known.

Specific hazards during fire fighting : Not flammable or combustible.

Hazardous combustion products : Decomposition products may include the following materials:
Carbon oxides

Special protective equipment for fire-fighters : Use personal protective equipment.

Specific extinguishing : Fire residues and contaminated fire extinguishing water must be

SAFETY DATA SHEET

GLASS CLEANER

methods disposed of in accordance with local regulations. In the event of fire and/or explosion do not breathe fumes.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Product AS SOLD

- Personal precautions, protective equipment and emergency procedures : Refer to protective measures listed in sections 7 and 8.
- Environmental precautions : Do not allow contact with soil, surface or ground water.
- Methods and materials for containment and cleaning up : Stop leak if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Flush away traces with water. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

Product AT USE DILUTION

- Personal precautions, protective equipment and emergency procedures : Refer to protective measures listed in sections 7 and 8.
- Environmental precautions : Do not allow contact with soil, surface or ground water.
- Methods and materials for containment and cleaning up : Stop leak if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Flush away traces with water. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

SECTION 7. HANDLING AND STORAGE

Product AS SOLD

- Advice on safe handling : Wash hands thoroughly after handling.
- Conditions for safe storage : Keep out of reach of children. Store in suitable labeled containers.
- Storage temperature : 5 °C to 50 °C

Product AT USE DILUTION

- Advice on safe handling : Wash hands thoroughly after handling.
- Conditions for safe storage : Keep out of reach of children. Store in suitable labeled containers.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Product AS SOLD

Ingredients with workplace control parameters

Contains no substances with occupational exposure limit values.

- Engineering measures : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Personal protective equipment

SAFETY DATA SHEET

GLASS CLEANER

Eye protection	: No special protective equipment required.
Hand protection	: No special protective equipment required.
Skin protection	: No special protective equipment required.
Respiratory protection	: No personal respiratory protective equipment normally required.
Hygiene measures	: Handle in accordance with good industrial hygiene and safety practice.

Product AT USE DILUTION

Engineering measures : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Personal protective equipment

Eye protection	: No special protective equipment required.
Hand protection	: No special protective equipment required.
Skin protection	: No special protective equipment required.
Respiratory protection	: No personal respiratory protective equipment normally required.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

	Product AS SOLD	Product AT USE DILUTION
Appearance	: liquid	liquid
Color	: blue	blue
Odor	: Perfumes, fragrances	Perfumes, fragrances
pH	: 10.4 - 11.7, (100 %)	7.2 - 7.9
Flash point	: Not applicable, Does not sustain combustion.	
Odor Threshold	: No data available	
Melting point/freezing point	: No data available	
Initial boiling point and boiling range	: 100 °C	
Evaporation rate	: No data available	
Flammability (solid, gas)	: No data available	
Upper explosion limit	: No data available	
Lower explosion limit	: No data available	
Vapor pressure	: No data available	
Relative vapor density	: No data available	
Relative density	: 0.99 - 1.05	
Water solubility	: soluble	
Solubility in other solvents	: No data available	
Partition coefficient: n-octanol/water	: No data available	
Autoignition temperature	: No data available	

SAFETY DATA SHEET

GLASS CLEANER

Thermal decomposition	: No data available
Viscosity, kinematic	: No data available
Explosive properties	: No data available
Oxidizing properties	: The substance or mixture is not classified as oxidizing.
Molecular weight	: No data available
VOC	: No data available

SECTION 10. STABILITY AND REACTIVITY

Product AS SOLD

Reactivity	: No dangerous reaction known under conditions of normal use.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: No dangerous reaction known under conditions of normal use.
Conditions to avoid	: None known.
Incompatible materials	: None known.
Hazardous decomposition products	: Decomposition products may include the following materials: Carbon oxides

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure : Inhalation, Eye contact, Skin contact

Potential Health Effects

Product AS SOLD

Eyes	: Causes eye irritation.
Skin	: Health injuries are not known or expected under normal use.
Ingestion	: Health injuries are not known or expected under normal use.
Inhalation	: Health injuries are not known or expected under normal use.
Chronic Exposure	: Health injuries are not known or expected under normal use.

Product AT USE DILUTION

Eyes	: Health injuries are not known or expected under normal use.
Skin	: Health injuries are not known or expected under normal use.
Ingestion	: Health injuries are not known or expected under normal use.
Inhalation	: Health injuries are not known or expected under normal use.
Chronic Exposure	: Health injuries are not known or expected under normal use.

Experience with human exposure

Product AS SOLD

SAFETY DATA SHEET

GLASS CLEANER

Eye contact : Redness, Irritation
Skin contact : No symptoms known or expected.
Ingestion : No symptoms known or expected.
Inhalation : No symptoms known or expected.

Product AT USE DILUTION

Eye contact : No symptoms known or expected.
Skin contact : No symptoms known or expected.
Ingestion : No symptoms known or expected.
Inhalation : No symptoms known or expected.

Toxicity

Product AS SOLD

Product

Acute oral toxicity : No data available
Acute inhalation toxicity : No data available
Acute dermal toxicity : No data available
Skin corrosion/irritation : No data available
Serious eye damage/eye irritation : Mild eye irritation
Respiratory or skin sensitization : No data available
Carcinogenicity : No data available
Reproductive effects : No data available
Germ cell mutagenicity : No data available
Teratogenicity : No data available
STOT-single exposure : No data available
STOT-repeated exposure : No data available
Aspiration toxicity : No data available

Components

Acute oral toxicity : d-glucopyranose, oligomeric, decyl octyl glycosides
LD50 Rat: > 5,000 mg/kg

Components

Acute dermal toxicity : d-glucopyranose, oligomeric, decyl octyl glycosides
LD50 Rabbit: > 2,000 mg/kg

SECTION 12. ECOLOGICAL INFORMATION

Product AS SOLD

Ecotoxicity

Environmental Effects : This product has no known ecotoxicological effects.

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GLASS CLEANER

Product

Toxicity to fish : No data available

Toxicity to daphnia and other aquatic invertebrates : No data available

Toxicity to algae : No data available

Components

Toxicity to algae : d-glucopyranose, oligomeric, decyl octyl glycosides
72 h EC50: 18 mg/l

Persistence and degradability

Product AS SOLD

Readily biodegradable.

Product AT USE DILUTION

No data available

Bioaccumulative potential

No data available

Mobility in soil

No data available

Other adverse effects

No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Product AS SOLD

Disposal methods : Diluted product can be flushed to sanitary sewer.

Disposal considerations : Dispose of in accordance with local, state, and federal regulations.

Product AT USE DILUTION

Disposal methods : Diluted product can be flushed to sanitary sewer.

Disposal considerations : Dispose of in accordance with local, state, and federal regulations.

SECTION 14. TRANSPORT INFORMATION

Product AS SOLD

The shipper/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

Land transport (DOT)

Not dangerous goods

Sea transport (IMDG/IMO)

Not dangerous goods

SECTION 15. REGULATORY INFORMATION

SAFETY DATA SHEET

GLASS CLEANER

Product AS SOLD

EPCRA - Emergency Planning and Community Right-to-Know

CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards : Serious eye damage or eye irritation

SARA 302 : This material does not contain any components with a section 302 EHS TPQ.

SARA 313 : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

California Prop. 65

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

California Cleaning Product Right to Know Act of 2017 (SB 258)

This regulation applies to this product.

Chemical Name	CAS-No.	Function	List(s)
water	7732-18-5	Diluent	Not Applicable
d-glucopyranose, oligomeric, decyl octyl glycosides	68515-73-1	Cleaning Agent	Not Applicable
Polyol	Withheld	Cleaning Agent	Not Applicable
Polycarboxylate salt	Withheld	Cleaning Agent	Not Applicable
oxydipropanol	25265-71-8	Fragrance	Not Applicable
Organic acid	Withheld	Buffer	Not Applicable
Coumarin	91-64-5	Fragrance	FRA
1,6-Octadien-3-ol, 3,7-dimethyl-, 3-acetate	115-95-7	Fragrance	Not Applicable
Colorant	Withheld	Dye	Not Applicable
Isothiazolinones	Withheld	Biocide	Not Applicable
Silicone	Withheld	Processing Aid	Not Applicable
Cellulose ether	Withheld	Processing Aid	Not Applicable

*refer to ecolab.com/sds for electronic links to designated lists

The ingredients of this product are reported in the following inventories:

Switzerland. New notified substances and declared preparations :
not determined

United States TSCA Inventory :
All substances listed as active on the TSCA inventory

Canadian Domestic Substances List (DSL) :
All components of this product are on the Canadian DSL

Australia Inventory of Chemical Substances (AICS) :
On the inventory, or in compliance with the inventory

New Zealand. Inventory of Chemical Substances :
not determined

SAFETY DATA SHEET

GLASS CLEANER

Japan. ENCS - Existing and New Chemical Substances Inventory :
On the inventory, or in compliance with the inventory

Korea. Korean Existing Chemicals Inventory (KECI) :
On the inventory, or in compliance with the inventory

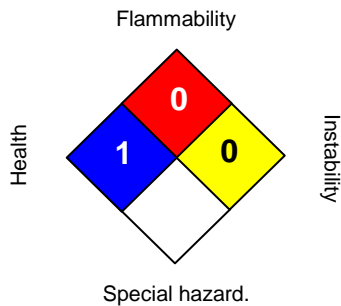
Philippines Inventory of Chemicals and Chemical Substances (PICCS) :
On the inventory, or in compliance with the inventory

China. Inventory of Existing Chemical Substances in China (IECSC) :
On the inventory, or in compliance with the inventory

Taiwan Chemical Substance Inventory (TCSI) :
not determined

SECTION 16. OTHER INFORMATION

Product AS SOLD NFPA:

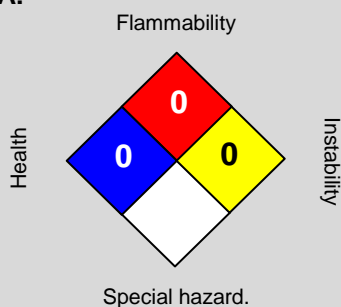


HMIS III:

HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0

0 = not significant, 1 =Slight,
2 = Moderate, 3 = High
4 = Extreme, * = Chronic

Product AT USE DILUTION NFPA:



HMIS III:

HEALTH	0
FLAMMABILITY	0
PHYSICAL HAZARD	0

0 = not significant, 1 =Slight,
2 = Moderate, 3 = High
4 = Extreme, * = Chronic

Issuing date : 05/14/2019
Version : 1.2
Prepared by : Regulatory Affairs

REVISED INFORMATION: Significant changes to regulatory or health information for this revision is indicated by a bar in the left-hand margin of the SDS.

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a

SAFETY DATA SHEET

GLASS CLEANER

guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Greasecutter Plus

CLASSIFICATION

Heavy Duty Degreaser and Cleaner

PRODUCT DESCRIPTION

Use *Greasecutter Plus* for quick removal of greasy deposits and carbonized grease from such surfaces as: Ovens, Grills, Stove Hoods, Broilers, Greasy Vents, and Deep Fat Fryers. *Greasecutter Plus* will etch aluminum.

Do not use on painted surfaces. All food products or packaging material must be removed or protected prior to use.

USE

FOR FOOD PLANT AND INDUSTRIAL USE ONLY - NOT FOR HOUSEHOLD USE

Use *Greasecutter Plus* for quick removal of greasy deposits and carbonized grease from such surfaces as: Ovens, Grills, Stove Hoods, Broilers, Greasy Vents, and Deep Fat Fryers.

Greasecutter Plus will etch aluminum. Do not use on painted surfaces. All food products or packaging material must be removed or protected prior to use.

NOTE: Wear rubber gloves and long sleeved garments when using this product. Do not use on painted surfaces. Avoid contamination of food.

1. Spray *Greasecutter Plus* onto the surface to be cleaned.
2. Allow *Greasecutter Plus* to penetrate grease deposits for 15 minutes depending on the thickness of the deposits.
3. Wipe off dissolved and loosened grease with a damp cloth.
4. Potable water rinse is required after use.

Greasecutter Plus works faster when applied to a warm surface (120°F./50°C.).

Consult your Ecolab Specialist for specific use directions.

For service or additional information, call 1-800-35-CLEAN (352-5326)

PHYSICAL AND CHEMICAL PROPERTIES

PhysicalState	Liquid
Color	Orange
Odor	Odorless
pH	13.5 [Conc. (% w/w): 100%]

Compositional information:

Water	7732-18-5
sodium hydroxide	1310-73-2
sodium gluconate	527-07-1
monoethanolamine	141-43-5

% P Formula ingredients contain no phosphorus

PACKAGING / PRODUCT NUMBERS

Size Available	Product Number
1 U.S. gal/3.78 L	19513

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : GREASECUTTER PLUS

Other means of identification : Not applicable

Recommended use : Degreaser

Restrictions on use : Reserved for industrial and professional use.

Product dilution information : Product is sold ready to use.

Company : Ecolab Inc.
1 Ecolab Place
St. Paul, Minnesota USA 55102
1-800-352-5326

Emergency health information : 1-800-328-0026 (US/Canada), 1-651-222-5352 (outside US)

Issuing date : 02/18/2020

SECTION 2. HAZARDS IDENTIFICATION
GHS Classification

Skin corrosion : Category 1B
Serious eye damage : Category 1

GHS label elements

Hazard pictograms :



Signal Word : Danger

Hazard Statements : Causes severe skin burns and eye damage.

Precautionary Statements : **Prevention:**
Wash skin thoroughly after handling. Wear protective gloves/ protective clothing/ eye protection/ face protection.
Response:
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/doctor. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor. Wash contaminated clothing before reuse.
Storage:
Store locked up.
Disposal:
Dispose of contents/ container to an approved waste disposal plant.

Other hazards : None known.

SAFETY DATA SHEET

GREASECUTTER PLUS

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Pure substance/mixture : Mixture

Chemical name	CAS-No.	Concentration (%)
Sodium hydroxide	1310-73-2	1 - 5

SECTION 4. FIRST AID MEASURES

In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.

In case of skin contact : Wash off immediately with plenty of water for at least 15 minutes. Use a mild soap if available. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.

If swallowed : Rinse mouth with water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.

If inhaled : Remove to fresh air. Treat symptomatically. Get medical attention if symptoms occur.

Protection of first-aiders : If potential for exposure exists refer to Section 8 for specific personal protective equipment.

Notes to physician : Treat symptomatically.

Most important symptoms and effects, both acute and delayed : See Section 11 for more detailed information on health effects and symptoms.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media : None known.

Specific hazards during fire fighting : Not flammable or combustible.

Hazardous combustion products : Decomposition products may include the following materials:
Carbon oxides

Special protective equipment for fire-fighters : Use personal protective equipment.

Specific extinguishing methods : Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire and/or explosion do not breathe fumes.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, : Ensure adequate ventilation. Keep people away from and upwind of

SAFETY DATA SHEET

GREASECUTTER PLUS

protective equipment and emergency procedures : spill/leak. Avoid inhalation, ingestion and contact with skin and eyes. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed in sections 7 and 8.

Environmental precautions : Do not allow contact with soil, surface or ground water.

Methods and materials for containment and cleaning up : Stop leak if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

SECTION 7. HANDLING AND STORAGE

Advice on safe handling : Do not ingest. Do not get in eyes, on skin, or on clothing. Do not breathe dust/ fume/ gas/ mist/ vapors/ spray. Use only with adequate ventilation. Wash hands thoroughly after handling. In case of mechanical malfunction, or if in contact with unknown dilution of product, wear full Personal Protective Equipment (PPE).

Conditions for safe storage : Do not store near acids. Keep out of reach of children. Store in suitable labeled containers.

Storage temperature : 0 °C to 50 °C

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

Components	CAS-No.	Form of exposure	Permissible concentration	Basis
sodium hydroxide	1310-73-2	Ceiling	2 mg/m ³	ACGIH
		Ceiling	2 mg/m ³	NIOSH REL
		TWA	2 mg/m ³	OSHA Z1

Engineering measures : Effective exhaust ventilation system. Maintain air concentrations below occupational exposure standards.

Personal protective equipment

Eye protection : Wear eye protection/ face protection.

Hand protection : Wear the following personal protective equipment:
Standard glove type.
Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.

Skin protection : Personal protective equipment comprising: suitable protective gloves, safety goggles and protective clothing

Respiratory protection : When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Hygiene measures : Handle in accordance with good industrial hygiene and safety

SAFETY DATA SHEET

GREASECUTTER PLUS

practice. Remove and wash contaminated clothing before re-use. Wash face, hands and any exposed skin thoroughly after handling. Provide suitable facilities for quick drenching or flushing of the eyes and body in case of contact or splash hazard.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: liquid
Color	: clear, orange
Odor	: odorless
pH	: 13.5, (100 %)
Flash point	: Not applicable
Odor Threshold	: No data available
Melting point/freezing point	: No data available
Initial boiling point and boiling range	: No data available
Evaporation rate	: No data available
Flammability (solid, gas)	: Not applicable
Upper explosion limit	: No data available
Lower explosion limit	: No data available
Vapor pressure	: No data available
Relative vapor density	: No data available
Relative density	: 1.04 - 1.07
Water solubility	: No data available
Solubility in other solvents	: No data available
Partition coefficient: n-octanol/water	: No data available
Autoignition temperature	: No data available
Thermal decomposition	: No data available
Viscosity, kinematic	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Molecular weight	: No data available
VOC	: No data available

SECTION 10. STABILITY AND REACTIVITY

Reactivity	: No dangerous reaction known under conditions of normal use.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: No dangerous reaction known under conditions of normal use.
Conditions to avoid	: None known.
Incompatible materials	: Acids

SAFETY DATA SHEET

GREASECUTTER PLUS

Metals

Hazardous decomposition products : In case of fire hazardous decomposition products may be produced such as:
Carbon oxides

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure : Inhalation, Eye contact, Skin contact

Potential Health Effects

Eyes : Causes serious eye damage.
Skin : Causes severe skin burns.
Ingestion : Causes digestive tract burns.
Inhalation : May cause nose, throat, and lung irritation.
Chronic Exposure : Health injuries are not known or expected under normal use.

Experience with human exposure

Eye contact : Redness, Pain, Corrosion
Skin contact : Redness, Pain, Corrosion
Ingestion : Corrosion, Abdominal pain
Inhalation : Respiratory irritation, Cough

Toxicity

Product

Acute oral toxicity : No data available
Acute inhalation toxicity : No data available
Acute dermal toxicity : No data available
Skin corrosion/irritation : No data available
Serious eye damage/eye irritation : No data available
Respiratory or skin sensitization : No data available
Carcinogenicity : No data available
Reproductive effects : No data available
Germ cell mutagenicity : No data available
Teratogenicity : No data available
STOT-single exposure : No data available
STOT-repeated exposure : No data available
Aspiration toxicity : No data available

SECTION 12. ECOLOGICAL INFORMATION

SAFETY DATA SHEET

GREASECUTTER PLUS

Ecotoxicity

Environmental Effects : This product has no known ecotoxicological effects.

Product

Toxicity to fish : No data available

Toxicity to daphnia and other aquatic invertebrates : No data available

Toxicity to algae : No data available

Components

Toxicity to daphnia and other aquatic invertebrates : Sodium hydroxide
48 h EC50: 40 mg/l

Persistence and degradability

Not applicable - inorganic

Bioaccumulative potential

No data available

Mobility in soil

No data available

Other adverse effects

No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods : Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Dispose of wastes in an approved waste disposal facility.

Disposal considerations : Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers. Dispose of in accordance with local, state, and federal regulations.

RCRA - Resource Conservation and Recovery Authorization Act Hazardous waste : D002 (Corrosive)

SECTION 14. TRANSPORT INFORMATION

The shipper/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

Land transport (DOT)

UN number : 1824

Description of the goods : Sodium hydroxide solution

Class : 8

Packing group : II

Environmentally hazardous : no

SAFETY DATA SHEET

GREASECUTTER PLUS

Sea transport (IMDG/IMO)

UN number : 1824
Description of the goods : SODIUM HYDROXIDE SOLUTION
Class : 8
Packing group : II
Marine pollutant : no

SECTION 15. REGULATORY INFORMATION

EPCRA - Emergency Planning and Community Right-to-Know

CERCLA Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
Sodium hydroxide	1310-73-2	1000	22222

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards : Skin corrosion or irritation
Serious eye damage or eye irritation

SARA 302 : This material does not contain any components with a section 302 EHS TPQ.

SARA 313 : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

California Prop. 65

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

California Cleaning Product Right to Know Act of 2017 (SB 258)

This regulation applies to this product.

Chemical Name	CAS-No.	Function	List(s)
water	7732-18-5	Diluent	Not Applicable
Sodium hydroxide	1310-73-2	Cleaning Agent	20
Organic acid salt	Withheld	Cleaning Agent	Not Applicable
Amphoteric surfactant	Withheld	Cleaning Agent	Not Applicable
Gum	Withheld	Processing Aid	Not Applicable
Nonionic Surfactant	Withheld	Cleaning Agent	Not Applicable
Acrylate polymer	Withheld	Processing Aid	Not Applicable
Nonionic surfactant	Withheld	Cleaning Agent	Not Applicable
Polyol	Withheld	Cleaning Agent	Not Applicable
Alkylamine	Withheld	Cleaning Agent	Not Applicable
Alkyl Amines	Withheld	Cleaning Agent	Not Applicable
Colorant	Withheld	Dye	Not Applicable
Colorant	Withheld	Dye	Not Applicable
Diamine	Withheld	Cleaning Agent	Not Applicable

*refer to ecolab.com/sds for electronic links to designated lists

The ingredients of this product are reported in the following inventories:

SAFETY DATA SHEET

GREASECUTTER PLUS

United States TSCA Inventory :

All substances listed as active on the TSCA inventory

Canadian Domestic Substances List (DSL) :

All components of this product are on the Canadian DSL

Australia Inventory of Chemical Substances (AICS) :

On the inventory, or in compliance with the inventory

New Zealand. Inventory of Chemical Substances :

not determined

Japan. ENCS - Existing and New Chemical Substances Inventory :

not determined

Korea. Korean Existing Chemicals Inventory (KECI) :

not determined

Philippines Inventory of Chemicals and Chemical Substances (PICCS) :

On the inventory, or in compliance with the inventory

China. Inventory of Existing Chemical Substances in China (IECSC) :

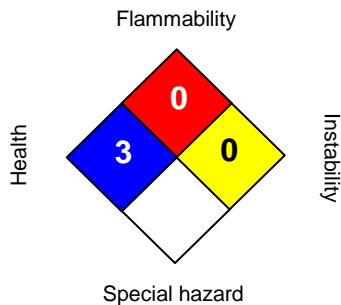
On the inventory, or in compliance with the inventory

Taiwan Chemical Substance Inventory (TCSI) :

On the inventory, or in compliance with the inventory

SECTION 16. OTHER INFORMATION

NFPA:



HMIS III:

HEALTH	3
FLAMMABILITY	0
PHYSICAL HAZARD	0

0 = not significant, 1 = Slight,
2 = Moderate, 3 = High
4 = Extreme, * = Chronic

Issuing date : 02/18/2020
Version : 1.0
Prepared by : Regulatory Affairs

REVISED INFORMATION: Significant changes to regulatory or health information for this revision is indicated by a bar in the left-hand margin of the SDS.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Oasis 137 Orange Force Multi-Surface Cleaner Degreaser

CLASSIFICATION

Liquid All Purpose Cleaner and Degreaser

PRODUCT DESCRIPTION

Non-abrasive multi-purpose cleaner for food service and housekeeping use. For general and greasy soils. Use on walls, floors, countertops, equipment, chrome, fixtures, tile, sinks, shower doors, and tubs.

USE

DIRECTIONS FOR USE

1. Fill spray bottle with solution from an Ecolab Oasis dispenser.
2. Spray surface to be cleaned with solution.
3. Wipe clean and dry with a clean cloth or sponge.

Light Soil: 4 oz/gal (31 mL/L)

Medium Soil: 8 oz/gal (62 mL/L)

Heavy Soil: 16 oz/gal (125 mL/L)

For service or additional information, call 1-800-35-CLEAN (352-5326).

PHYSICAL AND CHEMICAL PROPERTIES

PhysicalState	Liquid
Color	Clear, Red-Orange
Odor	Citrus Orange
pH	7.8 – 9.0 [Conc. (% w/w): 100%

Compositional information:

D-Limonene	5989-27-5
Sodium Laury Ether Ehtyoxo Sulfate	68585-34-2
Triethanolamine dodecylbeneze sulfonate	27323-41-7
Water	7732-18-5
Benzenesulfonic Acid, dodecyl sodium salt	25155-30-0
Proprietary Chemical Blend	NJTSRM# 0109052150504

% P Formula ingredients contain no Phosphorus

PACKAGING / PRODUCT NUMBERS

Size Available	Product Number
2.5 U.S. gal / 9.46 L	14559



SAFETY DATA SHEET

OASIS 137 ORANGE FORCE

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

- Product name OASIS 137 ORANGE FORCE
- Other means of identification Not applicable
- Recommended use All Purpose Cleaner
- Restrictions on use Reserved for industrial and professional use.

Product dilution information 3.13% - 12.5%

Company Ecolab Inc.
1 Ecolab Place
St. Paul, Minnesota US 55102
1-800-352-5326

Emergency health information 1-800-328-0026 US/Canada 1-651-222-5352 outside US

Issuing date 07/19/2023

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Product AS SOLD

Eye irritation Category 2B

Product AT USE DILUTION

Not a hazardous substance or mixture.

GHS label elements

Product AS SOLD

Signal word Warning

Hazard Statements Causes eye irritation.

Precautionary Statements **Prevention:**
 Wash hands thoroughly after handling.
Response:
 IN EYES Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists Get medical advice/attention.

Product AT USE DILUTION

Precautionary Statements **Prevention:**
 Wash hands thoroughly after handling.
Response:
Get medical advice/attention if you feel unwell.
Storage:
Store in accordance with local regulations.

Product AS SOLD

Other hazards None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

SAFETY DATA SHEET

OASIS 137 ORANGE FORCE

Product AS SOLD

Pure substance Mixture

Chemical name

Dodecylbenzenesulfonic acid, sodium salt
Dodecylbenzenesulfonic acid, compound with
2,2,2-trinitroethanol
Sodium dodecylbenzenesulfonate

CAS-No.

25155-30-0
27323-41-7
68585-34-2

Concentration (%)

5 - 10
1 - 5
1 - 5

Product AT USE DILUTION

No hazardous ingredients

SECTION 4. FIRST AID MEASURES

Product AS SOLD

In case of eye contact Rinse with plenty of water.

In case of skin contact Rinse with plenty of water.

Inhalation Rinse mouth. Get medical attention if symptoms occur.

Ingestion Get medical attention if symptoms occur.

Protection of first-aiders No special precautions are necessary for first aid responders.

Notes to physician Treat symptomatically.

Most important symptoms and effects, both acute and delayed See Section 11 for more detailed information on health effects and symptoms.

Product AT USE DILUTION

In case of eye contact Rinse with plenty of water.

In case of skin contact Rinse with plenty of water.

Inhalation Rinse mouth. Get medical attention if symptoms occur.

Ingestion Get medical attention if symptoms occur.

SECTION 5. FIRE-FIGHTING MEASURES

Product AS SOLD

Suitable extinguishing media Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media None known.

Specific hazards during fire fighting Not flammable or combustible.

Hazardous combustion products Decomposition products may include the following materials:
Carbon oxides

Special protective equipment Use personal protective equipment.

SAFETY DATA SHEET

OASIS 137 ORANGE FORCE

Fire-fighters

Specific extinguishing methods

- Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire and/or explosion do not breathe fumes.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Product AS SOLD

Personal precautions, protective equipment and emergency procedures

- Refer to protective measures listed in sections 7 and 8.

Environmental precautions

- Do not allow contact with soil, surface or ground water.

Methods and materials for containment and cleaning up

- Stop leakage to do so. Contain spillage, and then collect with non-combustible absorbent material, e.g. sand, earth, diatomaceous earth, vermiculite and place in container for disposal according to local national regulations (see section 13) or large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

Product AT USE DILUTION

Personal precautions, protective equipment and emergency procedures

- Refer to protective measures listed in sections 7 and 8.

Environmental precautions

- No special environmental precautions required.

Methods and materials for containment and cleaning up

- Stop leakage to do so. Contain spillage, and then collect with non-combustible absorbent material, e.g. sand, earth, diatomaceous earth, vermiculite and place in container for disposal according to local national regulations (see section 13) or large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

SECTION 7. HANDLING AND STORAGE

Product AS SOLD

Advice on safe handling

- Wash hands thoroughly after handling. In case of mechanical malfunction, or in contact with undiluted product, wear full Personal Protective Equipment (PPE).

Conditions for safe storage

- Keep out of reach of children. Store in suitable labeled containers.

Storage temperature

- 0 °C to 50 °C

Product AT USE DILUTION

Advice on safe handling

- Wash hands after handling. In case of mechanical malfunction, or in contact with undiluted product, wear full Personal Protective Equipment (PPE) or personal protection see section 8.

Conditions for safe storage

- Keep out of reach of children. Store in suitable labeled containers.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Product AS SOLD

Ingredients with workplace control parameters

SAFETY DATA SHEET

OASIS 137 ORANGE FORCE

Contains no substances it occupational exposure limit values.

Engineering measures Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Personal protective equipment

Eye protection No special protective equipment required.

Hand protection No special protective equipment required.

Skin protection No special protective equipment required.

Respirator protection No personal respirator protective equipment normally required.

Hygiene measures Handle in accordance with good industrial hygiene and safety practice.

Product AT USE DILUTION

Engineering measures Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Personal protective equipment

Eye protection No special protective equipment required.

Hand protection No special protective equipment required.

Skin protection No special protective equipment required.

Respirator protection No personal respirator protective equipment normally required.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

	Product AS SOLD	Product AT USE DILUTION
Appearance	<input type="checkbox"/> liquid	liquid
Color	<input type="checkbox"/> clear, dark orange	light orange
Odor	<input type="checkbox"/> citrus	citrus
Odor	<input type="checkbox"/> 7.2 - 9.0, 100 ppm	7.0 - 8.3
Class	<input type="checkbox"/> Not applicable	
Odor Threshold	<input type="checkbox"/> No data available	
Melting Point/Freezing Point	<input type="checkbox"/> No data available	
Initial boiling point and boiling range	<input type="checkbox"/> No data available	
Evaporation rate	<input type="checkbox"/> No data available	
Flammability (solid, gas)	<input type="checkbox"/> Not applicable	
Upper explosion limit	<input type="checkbox"/> No data available	
Lower explosion limit	<input type="checkbox"/> No data available	
Vapor pressure	<input type="checkbox"/> No data available	
Relative vapor density	<input type="checkbox"/> No data available	
Relative density	<input type="checkbox"/> 1.006 - 1.036	

SAFETY DATA SHEET

OASIS 137 ORANGE FORCE

<input type="checkbox"/> Water solubility	<input type="checkbox"/> No data available
Solubility in other solvents	<input type="checkbox"/> No data available
Partition coefficient n-octanol/water	<input type="checkbox"/> No data available
Autoignition temperature	<input type="checkbox"/> No data available
Thermal decomposition	<input type="checkbox"/> No data available
Viscosity dynamic	<input type="checkbox"/> No data available
Explosive properties	<input type="checkbox"/> No data available
Oxidizing properties	<input type="checkbox"/> No data available
Molecular weight	<input type="checkbox"/> No data available
VOC	<input type="checkbox"/> No data available

SECTION 10. STABILITY AND REACTIVITY

Product AS SOLD

Reactivity	<input type="checkbox"/> No dangerous reaction when under conditions of normal use.
Chemical stability	<input type="checkbox"/> Stable under normal conditions.
Possibility of hazardous reactions	<input type="checkbox"/> No dangerous reaction when under conditions of normal use.
Conditions to avoid	<input type="checkbox"/> None when.
Incompatible materials	<input type="checkbox"/> None when.
Hazardous decomposition products	<input type="checkbox"/> In case of fire hazardous decomposition products may be produced such as: Carbon oxides

SECTION 11. TOXICOLOGICAL INFORMATION

Information on labeled routes of exposure Inhalation, Eye contact, Skin contact

Potential Health Effects

Product AS SOLD

Eyes	<input type="checkbox"/> Causes eye irritation.
Skin	<input type="checkbox"/> Health injuries are not when or expected under normal use.
Ingestion	<input type="checkbox"/> Health injuries are not when or expected under normal use.
Inhalation	<input type="checkbox"/> Health injuries are not when or expected under normal use.
Chronic Exposure	<input type="checkbox"/> Health injuries are not when or expected under normal use.

Product AT USE DILUTION

Eyes	<input type="checkbox"/> Health injuries are not when or expected under normal use.
Skin	<input type="checkbox"/> Health injuries are not when or expected under normal use.
Ingestion	<input type="checkbox"/> Health injuries are not when or expected under normal use.

SAFETY DATA SHEET

OASIS 137 ORANGE FORCE

Inhalation Health injuries are not known or expected under normal use.

Chronic Exposure Health injuries are not known or expected under normal use.

Experience with human exposure

Product AS SOLD

Eye contact Redness, Irritation

Skin contact No symptoms known or expected.

Ingestion No symptoms known or expected.

Inhalation No symptoms known or expected.

Product AT USE DILUTION

Eye contact No symptoms known or expected.

Skin contact No symptoms known or expected.

Ingestion No symptoms known or expected.

Inhalation No symptoms known or expected.

Toxicity

Product AS SOLD

Product

Acute oral toxicity Acute toxicity estimate $\leq 5,000$ mg/kg

Acute inhalation toxicity No data available

Acute dermal toxicity Acute toxicity estimate $\leq 5,000$ mg/kg

Skin corrosion/irritation No data available

Serious eye damage/eye irritation No data available

Respirator or skin sensitization No data available

Carcinogenicity No data available

Reproductive effects No data available

Germ cell mutagenicity No data available

Teratogenicity No data available

STOT-single exposure No data available

STOT-repeated exposure No data available

Aspiration toxicity No data available

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Product AS SOLD

Environmental Effects Harmful to aquatic life long lasting effects.

Product AT USE DILUTION

SAFETY DATA SHEET

OASIS 137 ORANGE FORCE

Environmental Effects This product has no known ecotoxicological effects.

Product AS SOLD Product

Toxicity to fish 96 h LC50 Pimephales promelas 70.71 mg/l
Test substance Product

Toxicity to daphnia and other aquatic invertebrates 48 h LC50 Ceriodaphnia dubia water 68.8 mg/l
Test substance Product

Toxicity to algae No data available

Persistence and degradability

Product AT USE DILUTION

Biodegradable

Bioaccumulative potential

No data available

Mobility in soil

No data available

Other adverse effects

No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Product AS SOLD

Disposal methods Do not contaminate ponds, waterways or ditches with chemical or used container. Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose in compliance with local regulations. Dispose of wastes in an approved waste disposal facility.

Disposal considerations Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not reuse empty containers. Dispose in accordance with local, state, and federal regulations.

Product AT USE DILUTION

Disposal methods Diluted product can be used to sanitize sewer.

Disposal considerations Dispose in accordance with local, state, and federal regulations.

SECTION 14. TRANSPORT INFORMATION

Product AS SOLD

The shipper/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

Land transport (DOT)

Not dangerous goods

Sea transport (IMDG/IMO)

Not dangerous goods

SAFETY DATA SHEET

OASIS 137 ORANGE FORCE

SECTION 15. REGULATORY INFORMATION

Product AS SOLD

EPCRA - Emergency Planning and Community Right-to-Know

CERCLA Reportable Quantity

Components	COS-No.	Component RQ lbs	Calculated Product RQ lbs
Dodecylbenzenesulfonic acid, sodium salt	25155-30-0	1000	16970

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components that are a section 304 EHS RQ.

SARA 311/312 Hazards Serious eye damage or eye irritation

SARA 302 This material does not contain any components that are a section 302 EHS TP.

SARA 313 This material does not contain any chemical components that have no CAS numbers that exceed the threshold De Minimis reporting levels established by SQR Title III, Section 313.

California Prop. 65

This product does not contain any chemicals known to the State of California to cause cancer, birth, or another reproductive defects.

California Cleaning Product Right to Know Act of 2017 (SB 258)

This regulation applies to this product.

Hazardous ingredients	COS-No.	Function	Lists
Water	7732-18-5	Diluent	Not applicable
Dodecylbenzenesulfonic acid, sodium salt	25155-30-0	Cleaning agent	Not applicable
Dodecylbenzenesulfonic acid, compound with 2,2,2-trinitroethanol	27323-41-7	Cleaning agent	Not applicable
Sodium dodecyl ether sulfate	68585-34-2	Cleaning agent	Not applicable
magnesium chloride, hexahydrate	7791-18-6	Cleaning agent	Not applicable
Benzyl alcohol ethoxylated	Not listed	Cleaning agent	Not applicable
Fragrance	Not listed	Cleaning agent	FR
Mine	Not listed	Solvent	Not applicable
Quaternary ammonium salt	Not listed	Cleaning agent	Not applicable
Orange dye	Not listed	Dye	Not applicable
Isotiazolinones	Not listed	Biocide	Not applicable

Refer to ecolab.com/sds for electronic links to designated lists

The ingredients of this product are reported in the following inventories:

United States TSCA Inventory

All substances listed as active on the TSCA inventor

Canadian Domestic Substances List (DSL)

SAFETY DATA SHEET

OASIS 137 ORANGE FORCE

This product contains one or several components listed in the Canadian NDSL.

Australia. Australian Industrial Chemicals Introduction Scheme (AICIS)
not determined

New Zealand. Inventory of Chemical Substances
not determined

Japan. ENCS - Existing and New Chemical Substances Inventory
not determined

Korea. Korean Existing Chemicals Inventory (KECI)
not determined

Philippines Inventory of Chemicals and Chemical Substances (PICCS)
not determined

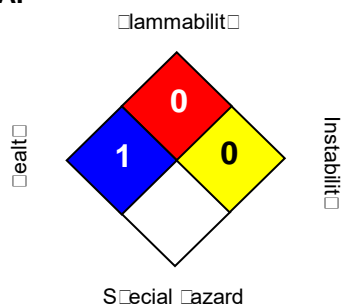
China. Inventory of Existing Chemical Substances in China (IECSC)
On the inventor, or in compliance with the inventor

Taiwan Chemical Substance Inventory (TCSI)
not determined

SECTION 16. OTHER INFORMATION

Product AS SOLD

NFPA:



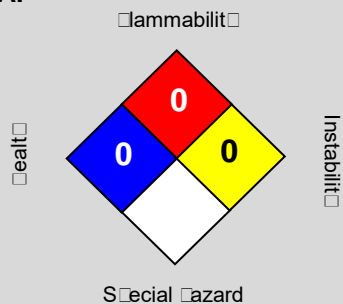
HMIS III:

HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0

0 = not significant, 1 = Slight,
2 = Moderate, 3 = Significant
4 = Extreme, ☐ ☐ Chronic

Product AT USE DILUTION

NFPA:



HMIS III:

HEALTH	0
FLAMMABILITY	0
PHYSICAL HAZARD	0

0 = not significant, 1 = Slight,
2 = Moderate, 3 = Significant
4 = Extreme, ☐ ☐ Chronic

Issuing date 07/19/2023
Version 2.3

SAFETY DATA SHEET

OASIS 137 ORANGE FORCE

Prepared by _____ Regulator Affairs

REVISED INFORMATION Significant changes to regulator or health information for this revision is indicated by a bar in the left-hand margin of the SDS.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warrant or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with other materials or in any process, unless specified in the text.

ZephAir – Mountain Mist (Ready to Use)

CLASSIFICATION

Air and Fabric Refresher

PRODUCT DESCRIPTION

This heavy duty, institutional air and fabric refresher absorbs many tough odors on carpet, rugs, upholstery, clothes and other fabrics. Leaves surfaces smelling clean and fresh. For use on tough odors like: tobacco smoke, food (curry, garlic, pizza, etc.), urine, and musty smells.

USE

FOR INDUSTRIAL USE ONLY
DIRECTIONS FOR USE:

Do not mix with anything except for water.

1. Directly spray on fabric until slightly damp and allow to air dry.
2. For stronger odors a second application may be needed.

NOTE: For fabrics which may water spot (such as silk or dark dyed fabric), test on a small area that cannot be seen. Not recommended for leather.

For service or additional information, call 1-800-35-CLEAN (352-5326).

PHYSICAL AND CHEMICAL PROPERTIES

PhysicalState	Liquid
Color	Colorless to Light Yellow
Odor	Fragrance like
pH	8.9 to 9.4 [Conc. (% w/w): 100]

Compositional information:

Water	7732-18-5
Alcohols C12-15, Ethoxylated	68131-39-5
Proprietary Odor Counteractant	NJ0109005650507

% P Formula ingredients contain no Phosphorus

PACKAGING / PRODUCT NUMBERS

Size Available	Product Number
6-32 oz.	12043



SAFETY DATA SHEET

ZEPHAIR MOUNTAIN MIST

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : ZEPHAIR MOUNTAIN MIST

Other means of identification : Not applicable

Recommended use : Air Freshener

Restrictions on use : Reserved for industrial and professional use.

Product dilution information : Product is sold ready to use.

Company : Ecolab Inc.
1 Ecolab Place
St. Paul, Minnesota USA 55102
1-800-352-5326

Emergency health information : 1-800-328-0026 (US/Canada), 1-651-222-5352 (outside US)

Issuing date : 05/01/2019

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Eye irritation : Category 2B

GHS label elements

Signal Word : Warning

Hazard Statements : Causes eye irritation.

Precautionary Statements : **Prevention:**
Wash skin thoroughly after handling.
Response:
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/ attention.

Other hazards : None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Pure substance/mixture : Mixture

Chemical name	CAS-No.	Concentration (%)
alcohols, c12-16, ethoxylated	68551-12-2	1 - 5
Fragrance	Proprietary Ingredient	0.1 - 1

SECTION 4. FIRST AID MEASURES

In case of eye contact : Rinse with plenty of water.

In case of skin contact : Rinse with plenty of water.

If swallowed : Rinse mouth. Get medical attention if symptoms occur.

SAFETY DATA SHEET

ZEPHAIR MOUNTAIN MIST

- If inhaled : Get medical attention if symptoms occur.
- Protection of first-aiders : No special precautions are necessary for first aid responders.
- Notes to physician : Treat symptomatically.
- Most important symptoms and effects, both acute and delayed : See Section 11 for more detailed information on health effects and symptoms.

SECTION 5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Unsuitable extinguishing media : None known.
- Specific hazards during fire fighting : Not flammable or combustible.
- Hazardous combustion products : Decomposition products may include the following materials:
Carbon oxides
- Special protective equipment for fire-fighters : Use personal protective equipment.
- Specific extinguishing methods : Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire and/or explosion do not breathe fumes.

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Refer to protective measures listed in sections 7 and 8.
- Environmental precautions : Do not allow contact with soil, surface or ground water.
- Methods and materials for containment and cleaning up : Stop leak if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Flush away traces with water. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

SECTION 7. HANDLING AND STORAGE

- Advice on safe handling : Wash hands thoroughly after handling.
- Conditions for safe storage : Keep out of reach of children. Store in suitable labeled containers.
- Storage temperature : 10 °C to 45 °C

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

SAFETY DATA SHEET

ZEPHAIR MOUNTAIN MIST

Ingredients with workplace control parameters

Contains no substances with occupational exposure limit values.

Engineering measures : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Personal protective equipment

Eye protection : No special protective equipment required.

Hand protection : No special protective equipment required.

Skin protection : No special protective equipment required.

Respiratory protection : No personal respiratory protective equipment normally required.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: liquid
Color	: clear, light yellow
Odor	: Perfumes, fragrances
pH	: 8.9 - 9.4, (100 %)
Flash point	: Not applicable, Does not sustain combustion.
Odor Threshold	: No data available
Melting point/freezing point	: No data available
Initial boiling point and boiling range	: 100 °C
Evaporation rate	: No data available
Flammability (solid, gas)	: No data available
Upper explosion limit	: No data available
Lower explosion limit	: No data available
Vapor pressure	: No data available
Relative vapor density	: No data available
Relative density	: 0.995 - 1.005
Water solubility	: soluble
Solubility in other solvents	: No data available
Partition coefficient: n-octanol/water	: No data available
Autoignition temperature	: No data available
Thermal decomposition	: No data available
Viscosity, kinematic	: 1.002 mm ² /s (40 °C)
Explosive properties	: No data available
Oxidizing properties	: No data available

SAFETY DATA SHEET

ZEPHAIR MOUNTAIN MIST

Molecular weight : No data available
VOC : No data available

SECTION 10. STABILITY AND REACTIVITY

Reactivity : No dangerous reaction known under conditions of normal use.
Chemical stability : Stable under normal conditions.
Possibility of hazardous reactions : No dangerous reaction known under conditions of normal use.
Conditions to avoid : None known.
Incompatible materials : None known.
Hazardous decomposition products : In case of fire hazardous decomposition products may be produced such as:
Carbon oxides

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure : Inhalation, Eye contact, Skin contact

Potential Health Effects

Eyes : Causes eye irritation.
Skin : Health injuries are not known or expected under normal use.
Ingestion : Health injuries are not known or expected under normal use.
Inhalation : Health injuries are not known or expected under normal use.
Chronic Exposure : Health injuries are not known or expected under normal use.

Experience with human exposure

Eye contact : Redness, Irritation
Skin contact : No symptoms known or expected.
Ingestion : No symptoms known or expected.
Inhalation : No symptoms known or expected.

Toxicity

Product

Acute oral toxicity : Acute toxicity estimate : > 5,000 mg/kg
Acute inhalation toxicity : No data available
Acute dermal toxicity : No data available
Skin corrosion/irritation : No data available

SAFETY DATA SHEET

ZEPHAIR MOUNTAIN MIST

Serious eye damage/eye irritation : Mild eye irritation

Respiratory or skin sensitization : No data available

Carcinogenicity : No data available

Reproductive effects : No data available

Germ cell mutagenicity : No data available

Teratogenicity : No data available

STOT-single exposure : No data available

STOT-repeated exposure : No data available

Aspiration toxicity : No data available

Components

Acute dermal toxicity : alcohols, c12-16, ethoxylated
LD50 Rabbit: > 2,000 mg/kg

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Environmental Effects : This product has no known ecotoxicological effects.

Product

Toxicity to fish : No data available

Toxicity to daphnia and other aquatic invertebrates : No data available

Toxicity to algae : No data available

Components

Toxicity to fish : alcohols, c12-16, ethoxylated
LC50: 1.5 mg/l

Persistence and degradability

Readily biodegradable.

Readily biodegradable.

Bioaccumulative potential

No data available

Mobility in soil

No data available

Other adverse effects

No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods : Diluted product can be flushed to sanitary sewer.

Disposal considerations : Dispose of in accordance with local, state, and federal regulations.

SAFETY DATA SHEET

ZEPHAIR MOUNTAIN MIST

SECTION 14. TRANSPORT INFORMATION

The shipper/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

Land transport (DOT)

Not dangerous goods

Sea transport (IMDG/IMO)

Not dangerous goods

SECTION 15. REGULATORY INFORMATION

EPCRA - Emergency Planning and Community Right-to-Know

CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards : Serious eye damage or eye irritation

SARA 302 : This material does not contain any components with a section 302 EHS TPQ.

SARA 313 : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

California Prop. 65

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

California Cleaning Product Right to Know Act of 2017 (SB 258)

This regulation applies to this product.

Chemical Name	CAS-No.	Function	List(s)
water	7732-18-5	Diluent	Not Applicable
alcohols, c12-16, ethoxylated	68551-12-2	Processing Aid	Not Applicable
Fatty acid salt	Withheld	Deodorizer	Not Applicable
Fragrance Ingredient(s)	Not Available	Fragrance	Not Applicable
Anionic surfactant	Withheld	Processing Aid	Not Applicable
Hexyl cinnamal	101-86-0	Fragrance	FRA
Chelating agent	Withheld	Processing Aid	Not Applicable
Alpha-Isomethyl Ionone	127-51-5	Fragrance	FRA
Organic acid	Withheld	Processing Aid	Not Applicable
Organic salt	Withheld	Buffer	Not Applicable
Citronellol	106-22-9	Fragrance	FRA
Isothiazolinones	Withheld	Biocide	Not Applicable

*refer to ecolab.com/sds for electronic links to designated lists

The ingredients of this product are reported in the following inventories:

SAFETY DATA SHEET

ZEPHAIR MOUNTAIN MIST

Switzerland. New notified substances and declared preparations :
not determined

United States TSCA Inventory :
All substances listed as active on the TSCA inventory

Canadian Domestic Substances List (DSL) :
All components of this product are on the Canadian DSL

Australia Inventory of Chemical Substances (AICS) :
not determined

New Zealand. Inventory of Chemical Substances :
not determined

Japan. ENCS - Existing and New Chemical Substances Inventory :
On the inventory, or in compliance with the inventory

Korea. Korean Existing Chemicals Inventory (KECI) :
not determined

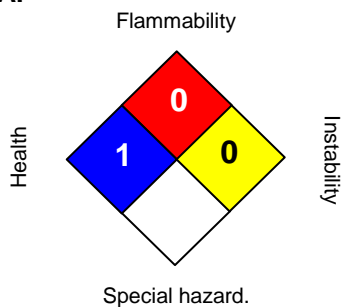
Philippines Inventory of Chemicals and Chemical Substances (PICCS) :
not determined

China. Inventory of Existing Chemical Substances in China (IECSC) :
not determined

Taiwan Chemical Substance Inventory (TCSI) :
not determined

SECTION 16. OTHER INFORMATION

NFPA:



HMIS III:

HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0

0 = not significant, 1 = Slight,
2 = Moderate, 3 = High
4 = Extreme, * = Chronic

Issuing date : 05/01/2019
Version : 1.2
Prepared by : Regulatory Affairs

REVISED INFORMATION: Significant changes to regulatory or health information for this revision is indicated by a bar in the left-hand margin of the SDS.

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific

SAFETY DATA SHEET

ZEPHAIR MOUNTAIN MIST

material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Peroxide Glass & Surface Cleaner

CLASSIFICATION

All Purpose Cleaner

PRODUCT DESCRIPTION

Peroxide Glass & Surface Cleaner is a daily multi-purpose cleaner concentrate, formulated to clean windows, glass, countertops, glazed porcelain, metal fixtures, walls, impervious floors, and other hard surface materials. Peroxide Glass & Surface Cleaner offers excellent cleaning and leaves a streak-free shine through the use of peroxide and a plant-derived surfactant. This product is Green Seal (GS-37) and USDA BioPreferred certified. This product will appeal to customers interested in "green" cleaning. This product is not a sanitizer or disinfectant.

Key Customer Benefits:

- Simplifies the cleaning process – one product that effectively cleans multiple surfaces
- Leaves a streak-free shine on glass and mirrors through the use of peroxide and a plant-derived surfactant
- Reduces the need to stock multiple products and streamlines the employee training process
- Pleasant fragrance and color create a positive user experience
- A sustainable cleaning product that is easy to insert into existing Ecolab dispenser

USE

FOR INDUSTRIAL USE ONLY

KEEP FROM FREEZING

DIRECTIONS FOR USE

Cleaning solution concentrate for dilution: For use with an approved Ecolab Oasis Dispenser - see your local Ecolab Sales Representative for assistance. Do not mix with anything except for cold tap water. Use only the bottle/sprayer recommended for dispensing product.

1. Fill spray bottle/mop bucket with solution.
2. Apply solution to surface to be cleaned thoroughly. Allow a few minutes to work.
3.
 - a. For hard surfaces, wipe clean and dry with clean cloth, sponge, or mop. Rinse as needed.
 - b. For glass and windows, wipe dry with a clean cloth, paper towels, wipers, or squeegee dry. Polish with clean side of cloth or another cloth. For first time use on any surface, always test in a hidden area.

For service or additional information, call 1-800-35-CLEAN (352-5326).

Light Duty: 1 US fl oz/US gal (7.8 mL/1 L) (1:128)

Medium Duty: 2 US fl oz/US gal (15.6 mL/1 L) (1:64)

Heavy Duty: 4 US fl oz/US gal (31.2 mL/1 L) (1:32)

Product AS SOLD

Eyes : Eye protection should be used when splashing may occur.

Hands : No protective equipment is needed under normal use conditions.

Skin : No protective equipment is needed under normal use conditions.

Respiratory : No special protection is required.

Product AT USE DILUTION

Eyes : No protective equipment is needed under normal use conditions.

Hands : No protective equipment is needed under normal use conditions.

Skin: No protective equipment is needed under normal use conditions.

Respiratory : No special protection is required.

WASTE DISPOSAL:

Product AS SOLD

Diluted product may be flushed to sanitary sewer.

Recycle empty container.

Product AT USE DILUTION

Diluted product may be flushed to sanitary sewer.

Recycle empty container.

Improper use or dilution may increase the risk of health effects and cause surface damage or staining

Refer to product MSDS for further information.

PHYSICAL AND CHEMICAL PROPERTIES

Physical State Liquid
 Color Yellow
 Odor Sweetish
 pH 4.3 to 5 [Conc. (% w/w): 100%]

Ingredients:

Water	7732-18-5
d-Glucose, Decyl, Octyl Ethers, Oligomeric	68515-73-1
Hydrogen Peroxide	7722-84-1
d-Glucopyranoside, C10-C16 alkyl, oligomeric	110615-47-9
Iminodisuccinate, Sodium Salt	144538-83-0
Fragrance. (Morning Breeze)	Mixture

% P

Formula ingredients contain no phosphorus.

Fragrance added: <1%

PACKAGING / PRODUCT NUMBERS

Size Available	Product Number
2.5 US gal (9.46 L) (Oasis)	6100609
2 - 1.3 L (QC)	6100610

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : PEROXIDE MULTI-SURFACE CLEANER
 Other means of identification : Not applicable
 Recommended use : Surface cleaner
 Restrictions on use : Reserved for industrial and professional use.

Product dilution information : 0.78 % - 3.12 %

Company : Ecolab Inc.
 1 Ecolab Place
 St. Paul, Minnesota USA 55102
 1-800-352-5326

Emergency health information : 1-800-328-0026 (US/Canada), 1-651-222-5352 (outside US)

Issuing date : 06/27/2019

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Product AS SOLD

Eye irritation : Category 2A

Product AT USE DILUTION

Not a hazardous substance or mixture.

GHS label elements

Product AS SOLD

Hazard pictograms :



Signal Word : Warning

Hazard Statements : Causes serious eye irritation.

Precautionary Statements : **Prevention:**
 Wash skin thoroughly after handling. Wear eye protection/ face protection.
Response:
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/ attention.

Product AT USE DILUTION

Precautionary Statements : **Prevention:**
 Wash hands thoroughly after handling.
Response:
 Get medical advice/ attention if you feel unwell.
Storage:

SAFETY DATA SHEET

PEROXIDE MULTI-SURFACE CLEANER

Store in accordance with local regulations.

Product AS SOLD

Other hazards : None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Product AS SOLD

Pure substance/mixture : Mixture

Chemical name	CAS-No.	Concentration (%)
d-glucopyranose, oligomeric, decyl octyl glycosides	68515-73-1	1 - 5
Hydrogen peroxide	7722-84-1	3
C10-16 Polyglycoside	110615-47-9	1 - 5

Product AT USE DILUTION

No hazardous ingredients

SECTION 4. FIRST AID MEASURES

Product AS SOLD

In case of eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/ attention.

In case of skin contact : Rinse with plenty of water.

If swallowed : Rinse mouth. Get medical attention if symptoms occur.

If inhaled : Get medical attention if symptoms occur.

Protection of first-aiders : If potential for exposure exists refer to Section 8 for specific personal protective equipment.

Notes to physician : Treat symptomatically.

Most important symptoms and effects, both acute and delayed : See Section 11 for more detailed information on health effects and symptoms.

Product AT USE DILUTION

In case of eye contact : Rinse with plenty of water.

In case of skin contact : Rinse with plenty of water.

If swallowed : Rinse mouth. Get medical attention if symptoms occur.

If inhaled : Get medical attention if symptoms occur.

SECTION 5. FIRE-FIGHTING MEASURES

Product AS SOLD

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing : None known.

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PEROXIDE MULTI-SURFACE CLEANER

media

- Specific hazards during fire fighting : Not flammable or combustible.
- Hazardous combustion products : Decomposition products may include the following materials:
Carbon oxides
- Special protective equipment for fire-fighters : Use personal protective equipment.
- Specific extinguishing methods : Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire and/or explosion do not breathe fumes.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Product AS SOLD

- Personal precautions, protective equipment and emergency procedures : Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed in sections 7 and 8.
- Environmental precautions : Do not allow contact with soil, surface or ground water.
- Methods and materials for containment and cleaning up : Stop leak if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Flush away traces with water. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

Product AT USE DILUTION

- Personal precautions, protective equipment and emergency procedures : Refer to protective measures listed in sections 7 and 8.
- Environmental precautions : No special environmental precautions required.
- Methods and materials for containment and cleaning up : Stop leak if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Flush away traces with water. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

SECTION 7. HANDLING AND STORAGE

Product AS SOLD

- Advice on safe handling : Avoid contact with skin and eyes. Wash hands thoroughly after handling. In case of mechanical malfunction, or if in contact with unknown dilution of product, wear full Personal Protective Equipment (PPE).
- Conditions for safe storage : Keep out of reach of children. Store in suitable labeled containers.
- Storage temperature : 15 °C to 40 °C

Product AT USE DILUTION

- Advice on safe handling : Wash hands after handling. In case of mechanical malfunction, or if in

SAFETY DATA SHEET

PEROXIDE MULTI-SURFACE CLEANER

contact with unknown dilution of product, wear full Personal Protective Equipment (PPE). For personal protection see section 8.

Conditions for safe storage : Keep out of reach of children. Store in suitable labeled containers.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Product AS SOLD

Ingredients with workplace control parameters

Components	CAS-No.	Form of exposure	Permissible concentration	Basis
Hydrogen peroxide	7722-84-1	TWA	1 ppm	ACGIH
		TWA	1 ppm 1.4 mg/m ³	NIOSH REL
		TWA	1 ppm 1.4 mg/m ³	OSHA Z1

Engineering measures : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Personal protective equipment

Eye protection : Safety glasses with side-shields

Hand protection : No special protective equipment required.

Skin protection : No special protective equipment required.

Respiratory protection : No personal respiratory protective equipment normally required.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice. Wash face, hands and any exposed skin thoroughly after handling.

Product AT USE DILUTION

Engineering measures : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Personal protective equipment

Eye protection : No special protective equipment required.

Hand protection : No special protective equipment required.

Skin protection : No special protective equipment required.

Respiratory protection : No personal respiratory protective equipment normally required.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

	Product AS SOLD	Product AT USE DILUTION
Appearance	: liquid	liquid
Color	: clear, yellow	light yellow
Odor	: sweet	Floral
pH	: 4.3 - 5.0, (100 %)	6.3 - 7.0

SAFETY DATA SHEET

PEROXIDE MULTI-SURFACE CLEANER

Flash point	: Not applicable, Does not sustain combustion.
Odor Threshold	: No data available
Melting point/freezing point	: No data available
Initial boiling point and boiling range	: > 100 °C
Evaporation rate	: No data available
Flammability (solid, gas)	: No data available
Upper explosion limit	: No data available
Lower explosion limit	: No data available
Vapor pressure	: No data available
Relative vapor density	: No data available
Relative density	: 1.027 - 1.042
Water solubility	: soluble
Solubility in other solvents	: No data available
Partition coefficient: n-octanol/water	: No data available
Autoignition temperature	: No data available
Thermal decomposition	: No data available
Viscosity, kinematic	: No data available
Explosive properties	: No data available
Oxidizing properties	: yes
Molecular weight	: No data available
VOC	: No data available

SECTION 10. STABILITY AND REACTIVITY

Product AS SOLD

Reactivity	: No dangerous reaction known under conditions of normal use.
Chemical stability	: Contamination may result in dangerous pressure increases - closed containers may rupture.
Possibility of hazardous reactions	: No dangerous reaction known under conditions of normal use.
Conditions to avoid	: None known.
Incompatible materials	: Bases
Hazardous decomposition products	: In case of fire hazardous decomposition products may be produced such as: Carbon oxides

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure : Inhalation, Eye contact, Skin contact

Potential Health Effects

SAFETY DATA SHEET

PEROXIDE MULTI-SURFACE CLEANER

Product AS SOLD

Eyes : Causes serious eye irritation.
Skin : Health injuries are not known or expected under normal use.
Ingestion : Health injuries are not known or expected under normal use.
Inhalation : Health injuries are not known or expected under normal use.
Chronic Exposure : Health injuries are not known or expected under normal use.

Product AT USE DILUTION

Eyes : Health injuries are not known or expected under normal use.
Skin : Health injuries are not known or expected under normal use.
Ingestion : Health injuries are not known or expected under normal use.
Inhalation : Health injuries are not known or expected under normal use.
Chronic Exposure : Health injuries are not known or expected under normal use.

Experience with human exposure

Product AS SOLD

Eye contact : Redness, Pain, Irritation
Skin contact : No symptoms known or expected.
Ingestion : No symptoms known or expected.
Inhalation : No symptoms known or expected.

Product AT USE DILUTION

Eye contact : No symptoms known or expected.
Skin contact : No symptoms known or expected.
Ingestion : No symptoms known or expected.
Inhalation : No symptoms known or expected.

Toxicity

Product AS SOLD

Product

Acute oral toxicity : Acute toxicity estimate : > 5,000 mg/kg
Acute inhalation toxicity : 4 h Acute toxicity estimate : > 200 mg/l
Test atmosphere: vapor
Acute dermal toxicity : No data available
Skin corrosion/irritation : No data available

SAFETY DATA SHEET

PEROXIDE MULTI-SURFACE CLEANER

Serious eye damage/eye irritation : No data available

Respiratory or skin sensitization : No data available

Carcinogenicity : No data available

Reproductive effects : No data available

Germ cell mutagenicity : No data available

Teratogenicity : No data available

STOT-single exposure : No data available

STOT-repeated exposure : No data available

Aspiration toxicity : No data available

Components

Acute dermal toxicity : d-glucopyranose, oligomeric, decyl octyl glycosides
LD50 Rabbit: > 2,000 mg/kg

SECTION 12. ECOLOGICAL INFORMATION

Product AS SOLD Ecotoxicity

Environmental Effects : Harmful to aquatic life.

Product

Toxicity to fish : No data available

Toxicity to daphnia and other aquatic invertebrates : No data available

Toxicity to algae : No data available

Components

Toxicity to fish : C10-16 Polyglycoside
96 h LC50 Fish: 5 mg/l

Components

Toxicity to algae : d-glucopyranose, oligomeric, decyl octyl glycosides
72 h EC50: 18 mg/l

Hydrogen peroxide
72 h EC50: 1.38 mg/l

Persistence and degradability

Product AS SOLD
Readily biodegradable.

Product AT USE DILUTION

Readily biodegradable.

Bioaccumulative potential

No data available

Mobility in soil

SAFETY DATA SHEET

PEROXIDE MULTI-SURFACE CLEANER

No data available

Other adverse effects

No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Product AS SOLD

- Disposal methods : Do not contaminate ponds, waterways or ditches with chemical or used container. Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Dispose of wastes in an approved waste disposal facility.
- Disposal considerations : Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers. Dispose of in accordance with local, state, and federal regulations.

Product AT USE DILUTION

- Disposal methods : Diluted product can be flushed to sanitary sewer.
- Disposal considerations : Dispose of in accordance with local, state, and federal regulations.

SECTION 14. TRANSPORT INFORMATION

Product AS SOLD

The shipper/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

Land transport (DOT)

Not dangerous goods

Sea transport (IMDG/IMO)

Not dangerous goods

SECTION 15. REGULATORY INFORMATION

Product AS SOLD

EPCRA - Emergency Planning and Community Right-to-Know

CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards : Serious eye damage or eye irritation

SARA 302 : The following components are subject to reporting levels established by SARA Title III, Section 302:

Hydrogen peroxide	7722-84-1	1 - 5 %
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SAFETY DATA SHEET

PEROXIDE MULTI-SURFACE CLEANER

SARA 313 : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

California Prop. 65

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

California Cleaning Product Right to Know Act of 2017 (SB 258)

This regulation applies to this product.

Chemical Name	CAS-No.	Function	List(s)
water	7732-18-5	Diluent	Not Applicable
d-glucopyranose, oligomeric, decyl octyl glycosides	68515-73-1	Cleaning Agent	Not Applicable
Hydrogen peroxide	7722-84-1	Cleaning Agent	Not Applicable
C10-16 Polyglycoside	110615-47-9	Cleaning Agent	Not Applicable
Chelating agent	Withheld	Cleaning Agent	Not Applicable
Organic acid	Withheld	Cleaning Agent	Not Applicable
Fragrance Ingredient(s)	Not Available	Fragrance	Not Applicable
Colorant	Withheld	Dye	Not Applicable
Noionic surfactant	Withheld	Cleaning Agent	Not Applicable

*refer to ecolab.com/sds for electronic links to designated lists

The ingredients of this product are reported in the following inventories:

Switzerland. New notified substances and declared preparations :
not determined

United States TSCA Inventory :
All substances listed as active on the TSCA inventory

Canadian Domestic Substances List (DSL) :
All components of this product are on the Canadian DSL

Australia Inventory of Chemical Substances (AICS) :
On the inventory, or in compliance with the inventory

New Zealand. Inventory of Chemical Substances :
On the inventory, or in compliance with the inventory

Japan. ENCS - Existing and New Chemical Substances Inventory :
On the inventory, or in compliance with the inventory

Korea. Korean Existing Chemicals Inventory (KECI) :
not determined

Philippines Inventory of Chemicals and Chemical Substances (PICCS) :
On the inventory, or in compliance with the inventory

China. Inventory of Existing Chemical Substances in China (IECSC) :
On the inventory, or in compliance with the inventory

Taiwan Chemical Substance Inventory (TCSI) :
not determined

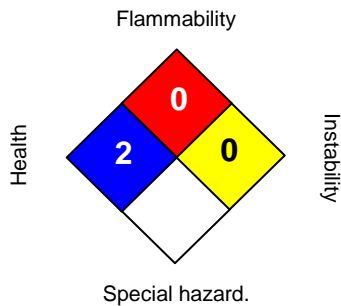
SECTION 16. OTHER INFORMATION

SAFETY DATA SHEET

PEROXIDE MULTI-SURFACE CLEANER

Product AS SOLD

NFPA:



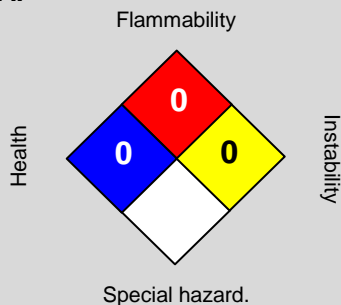
HMIS III:

HEALTH	2
FLAMMABILITY	0
PHYSICAL HAZARD	0

0 = not significant, 1 = Slight,
2 = Moderate, 3 = High
4 = Extreme, * = Chronic

Product AT USE DILUTION

NFPA:



HMIS III:

HEALTH	0
FLAMMABILITY	0
PHYSICAL HAZARD	0

0 = not significant, 1 = Slight,
2 = Moderate, 3 = High
4 = Extreme, * = Chronic

Issuing date : 06/27/2019
Version : 1.5
Prepared by : Regulatory Affairs

REVISED INFORMATION: Significant changes to regulatory or health information for this revision is indicated by a bar in the left-hand margin of the SDS.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Advanced Antibacterial Foaming Hand Soap

CLASSIFICATION

Antibacterial / Antimicrobial Foaming Hand Soap

PRODUCT DESCRIPTION

Triclosan-free antibacterial / antimicrobial foaming hand soap that decreases bacteria on the skin that may cause illness. This product meets FDA requirements for Healthcare Personnel Handwash.

USE

DIRECTIONS FOR USE

1. Wet hands with water and apply foam
2. Scrub hands and forearms
3. Rinse thoroughly and dry hands with clean towels or with a mechanical dryer.

Consult your Ecolab Specialist or call 1-800-35 CLEAN (352-5326) for specific use directions, service, or additional information.

PHYSICAL & CHEMICAL PROPERTIES

Appearance:	Liquid
Color:	Clear, blue
Odor:	Floral
pH:	5.4 – 7.0, 100%

Active Ingredient(s):

Benzalkonium Chloride	0.5%
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MICROBIOLOGY

The efficacy information found in this document pertains to in-vitro testing only.

<i>Acinetobacter baumannii</i> ATCC 19606	<i>Pseudomonas stutzeri</i> ATCC 17588
<i>Bacteroides fragilis</i> ATCC 43859	<i>Salmonella enterica</i> ATCC 10708
<i>Candida albicans</i> ATCC 10231	<i>Salmonella enteritidis</i> ATCC 13076
<i>Enterobacter cloacae</i> ATCC 13047	<i>Salmonella typhi</i> ATCC 6539
<i>Enterococcus faecalis</i> ATCC 29212	<i>Salmonella typhimurium</i> ATCC 13311
<i>Enterococcus faecalis</i> (VRE) ATCC 51299	<i>Serratia marcescens</i> ATCC 14756
<i>Enterococcus faecium</i> ATCC 51559	<i>Shigella sonnei</i> ATCC 11060
<i>Escherichia coli</i> ATCC 11229	<i>Staphylococcus aureus</i> ATCC 6538
<i>Escherichia coli</i> ATCC 25922	<i>Staphylococcus aureus</i> ATCC 29213
<i>Escherichia coli</i> O157:H7 ATCC 43895	<i>Staphylococcus aureus</i> (MRSA) ATCC 33592
<i>Haemophilus influenzae</i> ATCC 10211	<i>Staphylococcus epidermidis</i> ATCC 12228
<i>Klebsiella pneumoniae</i> ATCC 4352	<i>Staphylococcus haemolyticus</i> ATCC 29970
<i>Listeria monocytogenes</i> ATCC 7644	<i>Staphylococcus hominus</i> ATCC 27844
<i>Micrococcus yunnanensis</i> ** ATCC 7468	<i>Staphylococcus saprophyticus</i> ATCC 43867
<i>Proteus mirabilis</i> ATCC 7002	<i>Streptococcus pneumoniae</i> ATCC 6303
<i>Pseudomonas aeruginosa</i> ATCC 15442	<i>Streptococcus pyogenes</i> ATCC 19615
<i>Pseudomonas aeruginosa</i> ATCC 27853	

**This strain was previously known as *Micrococcus luteus*

PACKAGING & PRODUCT NUMBERS

Size	Product Number
4 – 1250 mL (42.3 Fl. Oz.) [Syncra]	6101087
4 – 1250 mL (42.3 Fl. Oz.) [Nexa]	6101088
6 – 750 mL (25.3 Fl. Oz.) [DigiFoam]	6101089
6 – 750 mL (25.3 Fl. Oz.) [Nexa]	6101090



SAFETY DATA SHEET

ADVANCED ANTIBACTERIAL FOAMING HAND SOAP

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : ADVANCED ANTIBACTERIAL FOAMING HAND SOAP

Other means of identification : Not applicable

Recommended use : Skin-care

Restrictions on use : Reserved for industrial and professional use.

Product dilution information : Product is sold ready to use.

Company : Ecolab Inc.
1 Ecolab Place
St. Paul, Minnesota USA 55102
1-800-352-5326

Emergency health information : 1-800-328-0026 (US/Canada), 1-651-222-5352 (outside US)

Issuing date : 08/12/2021

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Not a hazardous substance or mixture.

GHS label elements

Precautionary Statements : **Response:**
Get medical advice/ attention if you feel unwell.
Storage:
Store in accordance with local regulations.

Other hazards : None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Pure substance/mixture : Mixture

Chemical name	CAS-No.	Concentration (%)
amines, coco alkyl dimethyl, n-oxides	61788-90-7	1 - 5
2-methylpentane-2,4-diol	107-41-5	1 - 5
Polyethylene Glycol	25322-68-3	1 - 5
glycerin	56-81-5	1 - 5

SECTION 4. FIRST AID MEASURES

In case of eye contact : Rinse with plenty of water.

In case of skin contact : Rinse with plenty of water.

If swallowed : Rinse mouth. Get medical attention if symptoms occur.

If inhaled : Treat symptomatically.

Protection of first-aiders : No special precautions are necessary for first aid responders.

SAFETY DATA SHEET

ADVANCED ANTIBACTERIAL FOAMING HAND SOAP

- Notes to physician : Treat symptomatically.
- Most important symptoms and effects, both acute and delayed : See Section 11 for more detailed information on health effects and symptoms.

SECTION 5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Unsuitable extinguishing media : None known.
- Specific hazards during fire fighting : Not flammable or combustible.
- Hazardous combustion products : Decomposition products may include the following materials:
Carbon oxides
Nitrogen oxides (NOx)
- Special protective equipment for fire-fighters : Use personal protective equipment.
- Specific extinguishing methods : Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire and/or explosion do not breathe fumes.

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed in sections 7 and 8.
- Environmental precautions : Do not allow contact with soil, surface or ground water.
- Methods and materials for containment and cleaning up : Stop leak if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Flush away traces with water. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

SECTION 7. HANDLING AND STORAGE

- Advice on safe handling : Do not breathe dust/ fume/ gas/ mist/ vapors/ spray. Use only with adequate ventilation. Wash hands thoroughly after handling. In case of mechanical malfunction, or if in contact with unknown dilution of product, wear full Personal Protective Equipment (PPE).
- Conditions for safe storage : Keep out of reach of children. Store in suitable labeled containers.
- Storage temperature : 0 °C to 50 °C

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

SAFETY DATA SHEET

ADVANCED ANTIBACTERIAL FOAMING HAND SOAP

Ingredients with workplace control parameters

Components	CAS-No.	Form of exposure	Permissible concentration	Basis
2-methylpentane-2,4-diol	107-41-5	Ceiling	25 ppm 125 mg/m ³	NIOSH REL
		TWA (Vapour.)	25 ppm	ACGIH
		STEL (Vapour.)	50 ppm	ACGIH
		STEL (Inhalable fraction, Aerosol only)	10 mg/m ³	ACGIH
Polyethylene Glycol	25322-68-3	TWA (Aerosol.)	10 mg/m ³	AIHA WEEL
glycerin	56-81-5	TWA	10 mg/m ³	ACGIH
		TWA (respirable fraction)	5 mg/m ³	OSHA Z1

Engineering measures : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Personal protective equipment

Eye protection : No special protective equipment required.

Hand protection : No special protective equipment required.

Skin protection : No special protective equipment required.

Respiratory protection : No personal respiratory protective equipment normally required.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid
Color : clear, blue
Odor : Floral
pH : 5.4 - 7.0, (100 %)
Flash point : Not applicable
Odor Threshold : No data available
Melting point/freezing point : No data available
Initial boiling point and boiling range : No data available
Evaporation rate : No data available
Flammability (solid, gas) : Not applicable
Upper explosion limit : No data available

SAFETY DATA SHEET

ADVANCED ANTIBACTERIAL FOAMING HAND SOAP

Lower explosion limit	: No data available
Vapor pressure	: No data available
Relative vapor density	: No data available
Relative density	: 1.001
Water solubility	: soluble
Solubility in other solvents	: No data available
Partition coefficient: n-octanol/water	: No data available
Autoignition temperature	: No data available
Thermal decomposition	: No data available
Viscosity, kinematic	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Molecular weight	: No data available
VOC	: No data available

SECTION 10. STABILITY AND REACTIVITY

Reactivity	: No dangerous reaction known under conditions of normal use.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: No dangerous reaction known under conditions of normal use.
Conditions to avoid	: None known.
Incompatible materials	: None known.
Hazardous decomposition products	: In case of fire hazardous decomposition products may be produced such as: Carbon oxides Nitrogen oxides (NOx)

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure : Inhalation, Eye contact, Skin contact

Potential Health Effects

Eyes	: Health injuries are not known or expected under normal use.
Skin	: Health injuries are not known or expected under normal use.
Ingestion	: Health injuries are not known or expected under normal use.
Inhalation	: Health injuries are not known or expected under normal use.
Chronic Exposure	: Health injuries are not known or expected under normal use.

Experience with human exposure

SAFETY DATA SHEET

ADVANCED ANTIBACTERIAL FOAMING HAND SOAP

Eye contact : No symptoms known or expected.
Skin contact : No symptoms known or expected.
Ingestion : No symptoms known or expected.
Inhalation : No symptoms known or expected.

Toxicity

Product

Acute oral toxicity : Acute toxicity estimate : > 5,000 mg/kg
Acute inhalation toxicity : No data available
Acute dermal toxicity : Acute toxicity estimate : > 5,000 mg/kg
Skin corrosion/irritation : No data available
Serious eye damage/eye irritation : No data available
Respiratory or skin sensitization : No data available
Carcinogenicity : No data available
Reproductive effects : No data available
Germ cell mutagenicity : No data available
Teratogenicity : No data available
STOT-single exposure : No data available
STOT-repeated exposure : No data available
Aspiration toxicity : No data available

Components

Acute inhalation toxicity : 2-methylpentane-2,4-diol
4 h LC50 Rat: > 1.1 mg/l
Test atmosphere: dust/mist

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Environmental Effects : Toxic to aquatic life. Harmful to aquatic life with long lasting effects.

Product

Toxicity to fish : No data available
Toxicity to daphnia and other aquatic invertebrates : No data available
Toxicity to algae : No data available

Components

Toxicity to fish : amines, coco alkyldimethyl, n-oxides
96 h LC50 Fish: 1 mg/l

Polyethylene Glycol
96 h LC50 Fish: > 1,000 mg/l

SAFETY DATA SHEET

ADVANCED ANTIBACTERIAL FOAMING HAND SOAP

glycerin
96 h LC50 Fish: 855 mg/l

Components

Toxicity to daphnia and other aquatic invertebrates : 2-methylpentane-2,4-diol
48 h EC50 Daphnia: 2,800 mg/l

Persistence and degradability

Readily biodegradable.

Bioaccumulative potential

No data available

Mobility in soil

No data available

Other adverse effects

No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods : Do not contaminate ponds, waterways or ditches with chemical or used container. Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Dispose of wastes in an approved waste disposal facility.

Disposal considerations : Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers. Dispose of in accordance with local, state, and federal regulations.

SECTION 14. TRANSPORT INFORMATION

The shipper/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

Land transport (DOT)

Not dangerous goods

Sea transport (IMDG/IMO)

Not dangerous goods

SECTION 15. REGULATORY INFORMATION

EPCRA - Emergency Planning and Community Right-to-Know

CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SAFETY DATA SHEET

ADVANCED ANTIBACTERIAL FOAMING HAND SOAP

SARA 311/312 Hazards : No SARA Hazards

SARA 302 : This material does not contain any components with a section 302 EHS TPQ.

SARA 313 : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

California Prop. 65

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

California Cleaning Product Right to Know Act of 2017 (SB 258)

This regulation does not apply to this product.

The ingredients of this product are reported in the following inventories:

United States TSCA Inventory :

All components are listed or exempted.

Canadian Domestic Substances List (DSL) :

This product contains one or several components that are not on the Canadian DSL nor NDSL.

Australia. Australian Industrial Chemicals Introduction Scheme (AICIS) :

On the inventory, or in compliance with the inventory

New Zealand. Inventory of Chemical Substances :

On the inventory, or in compliance with the inventory

Japan. ENCS - Existing and New Chemical Substances Inventory :

not determined

Korea. Korean Existing Chemicals Inventory (KECI) :

not determined

Philippines Inventory of Chemicals and Chemical Substances (PICCS) :

not determined

China. Inventory of Existing Chemical Substances in China (IECSC) :

not determined

Taiwan Chemical Substance Inventory (TCSI) :

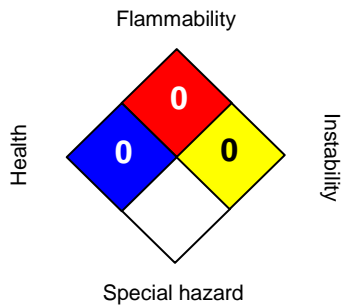
not determined

SECTION 16. OTHER INFORMATION

SAFETY DATA SHEET

ADVANCED ANTIBACTERIAL FOAMING HAND SOAP

NFPA:



HMIS III:

HEALTH	0
FLAMMABILITY	0
PHYSICAL HAZARD	0

0 = not significant, 1 = Slight,
2 = Moderate, 3 = High
4 = Extreme, * = Chronic

Issuing date : 08/12/2021
Version : 1.4
Prepared by : Regulatory Affairs

REVISED INFORMATION: Significant changes to regulatory or health information for this revision is indicated by a bar in the left-hand margin of the SDS.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Bright Blast Low Odor Floor Stripper

Page 1 of 1

CLASSIFICATION

Floor Finish Stripper

PRODUCT DESCRIPTION

Bright Blast Low Odor Floor Stripper is a concentrated floor finish stripper. Suitable for use on vinyl and vinyl asbestos floor tiles, ceramic tile, terrazzo, and concrete floors. Before use on asphalt or rubber tile, test use-dilution in a hidden area to ensure bleaching, bleeding, or softening will not occur. DO NOT use on linoleum or wood floors.

USE

FOR INDUSTRIAL USE ONLY - NOT FOR HOUSEHOLD USE

DIRECTIONS FOR USE:

1. Apply liberally with mop. Make sure entire surface of floor is thoroughly soaked. Do not allow solution to dry. Scrubbing will aid in the removal of heavy build-up.
2. Pick up solution with wet vac, autoscrubber, or mop. *Bright Blast Low Odor Floor Stripper* will evaporate but any residual stripped finish will not.
3. For best results, after removing heavy build-up, rinse floor with a clean mop and water. Allow floor to dry before applying floor finish.

DILUTIONS:

For Light-Duty stripping, use 8 fl oz. (237 mL) stripper per gallon (3.78 L) water (1:16).
For Heavy-Duty stripping, use 22 fl oz. (650 mL) stripper per gallon (3.78 L) water (1:6).
Dilution will depend on degree of burnishing or stripping pad accessories.

DILUTION 1:16 to 1:6

For service or additional information, call 1-800-35-CLEAN (352-5326).

PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid
Color	Clear, Colorless
Odor	Solvent
pH	13.35 - 13.85 [Conc. (% w/w): 100%]

Ingredients:

Water	7732-18-5
Sodium hydroxide	1310-73-2
Monoethanolamine	141-43-5
Benzyl alcohol	100-51-6
Sodium xylenesulfonate	1300-72-7

% P Formula ingredients contain no phosphorus.

PACKAGING / PRODUCT NUMBERS

Size Available	Product Number
18.9 L (5 US GAL)	6101154
18.9 L (5 US GAL) JerriBox	6101153
4 - 3.78L (1 US GAL)	6101152

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : BRIGHT BLAST LOW ODOR FLOOR STRIPPER

Other means of identification : Not applicable

Recommended use : Floor Stripper

Restrictions on use : Reserved for industrial and professional use.

Product dilution information : 6.25 % - 17.19 %

Company : Ecolab Inc.
1 Ecolab Place
St. Paul, Minnesota USA 55102
1-800-352-5326

Emergency health information : 1-800-328-0026 (US/Canada), 1-651-222-5352 (outside US)

Issuing date : 07/11/2019

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Product AS SOLD

Skin corrosion : Category 1A
Serious eye damage : Category 1
Specific target organ systemic toxicity - single exposure : Category 3 (Respiratory system)

Product AT USE DILUTION

Skin corrosion : Category 1A
Serious eye damage : Category 1

GHS label elements

Product AS SOLD

Hazard pictograms : 

Signal Word : Danger

Hazard Statements : Causes severe skin burns and eye damage.
May cause respiratory irritation.

Precautionary Statements : **Prevention:**
Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray. Wash skin thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/ protective clothing/ eye protection/ face protection.
Response:
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin

SAFETY DATA SHEET

BRIGHT BLAST LOW ODOR FLOOR STRIPPER

with water/shower. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/doctor. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor. Wash contaminated clothing before reuse.

Storage:

Store in a well-ventilated place. Keep container tightly closed. Store locked up.

Disposal:

Dispose of contents/ container to an approved waste disposal plant.

Product AT USE DILUTION

Hazard pictograms :



Signal Word :

Danger

Hazard Statements :

Causes severe skin burns and eye damage.

Precautionary Statements :

Prevention:

Wash skin thoroughly after handling. Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response:

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/doctor. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor. Wash contaminated clothing before reuse.

Storage:

Store locked up.

Disposal:

Dispose of contents/ container to an approved waste disposal plant.

Product AS SOLD

Other hazards :

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Product AS SOLD

Pure substance/mixture :

Mixture

Chemical name	CAS-No.	Concentration (%)
Sodium hydroxide	1310-73-2	5 - 10
monoethanolamine	141-43-5	5 - 10
Benzyl alcohol	100-51-6	5 - 10
Sodium Xylenesulfonate	1300-72-7	1 - 5

Product AT USE DILUTION

Chemical name

CAS-No.

Concentration (%)

Sodium hydroxide
monoethanolamine
Benzyl alcohol

1310-73-2
141-43-5
100-51-6

1 - 5
1 - 5
1 - 5

SAFETY DATA SHEET

BRIGHT BLAST LOW ODOR FLOOR STRIPPER

SECTION 4. FIRST AID MEASURES

Product AS SOLD

- In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.
- In case of skin contact : Wash off immediately with plenty of water for at least 15 minutes. Use a mild soap if available. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.
- If swallowed : Rinse mouth with water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.
- If inhaled : Remove to fresh air. Treat symptomatically. Get medical attention if symptoms occur.
- Protection of first-aiders : If potential for exposure exists refer to Section 8 for specific personal protective equipment.
- Notes to physician : Treat symptomatically.
- Most important symptoms and effects, both acute and delayed : See Section 11 for more detailed information on health effects and symptoms.

Product AT USE DILUTION

- In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.
- In case of skin contact : Wash off immediately with plenty of water for at least 15 minutes. Use a mild soap if available. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.
- If swallowed : Rinse mouth with water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.
- If inhaled : Remove to fresh air. Treat symptomatically. Get medical attention if symptoms occur.

SECTION 5. FIRE-FIGHTING MEASURES

Product AS SOLD

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Unsuitable extinguishing media : None known.
- Specific hazards during fire fighting : Not flammable or combustible.
- Hazardous combustion products : Decomposition products may include the following materials:
Carbon oxides

SAFETY DATA SHEET

BRIGHT BLAST LOW ODOR FLOOR STRIPPER

Nitrogen oxides (NO_x)
Sulfur oxides

Special protective equipment for fire-fighters : Use personal protective equipment.

Specific extinguishing methods : Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire and/or explosion do not breathe fumes.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Product AS SOLD

Personal precautions, protective equipment and emergency procedures : Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Avoid inhalation, ingestion and contact with skin and eyes. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed in sections 7 and 8.

Environmental precautions : Do not allow contact with soil, surface or ground water.

Methods and materials for containment and cleaning up : Stop leak if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Flush away traces with water. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

Product AT USE DILUTION

Personal precautions, protective equipment and emergency procedures : Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Avoid inhalation, ingestion and contact with skin and eyes. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed in sections 7 and 8.

Environmental precautions : Do not allow contact with soil, surface or ground water.

Methods and materials for containment and cleaning up : Stop leak if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Flush away traces with water. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

SECTION 7. HANDLING AND STORAGE

Product AS SOLD

Advice on safe handling : Do not ingest. Do not get in eyes, on skin, or on clothing. Do not breathe dust/ fume/ gas/ mist/ vapors/ spray. Use only with adequate ventilation. Wash hands thoroughly after handling. In case of mechanical malfunction, or if in contact with unknown dilution of product, wear full Personal Protective Equipment (PPE).

Conditions for safe storage : Do not store near acids. Keep out of reach of children. Store in suitable labeled containers.

Storage temperature : 0 °C to 30 °C

SAFETY DATA SHEET

BRIGHT BLAST LOW ODOR FLOOR STRIPPER

Product AT USE DILUTION

Advice on safe handling : Do not ingest. Do not get in eyes, on skin, or on clothing. Do not breathe dust/ fume/ gas/ mist/ vapors/ spray. Use only with adequate ventilation. Wash hands thoroughly after handling. In case of mechanical malfunction, or if in contact with unknown dilution of product, wear full Personal Protective Equipment (PPE).

Conditions for safe storage : Do not store near acids. Keep out of reach of children. Store in suitable labeled containers.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Product AS SOLD

Ingredients with workplace control parameters

Components	CAS-No.	Form of exposure	Permissible concentration	Basis
sodium hydroxide	1310-73-2	Ceiling	2 mg/m ³	ACGIH
		Ceiling	2 mg/m ³	NIOSH REL
		TWA	2 mg/m ³	OSHA Z1
monoethanolamine	141-43-5	TWA	3 ppm	ACGIH
		STEL	6 ppm	ACGIH
		TWA	3 ppm 8 mg/m ³	NIOSH REL
		STEL	6 ppm 15 mg/m ³	NIOSH REL
Benzyl alcohol	100-51-6	TWA	3 ppm 6 mg/m ³	OSHA Z1
		TWA	10 ppm	AIHA WEEL

Engineering measures : Effective exhaust ventilation system. Maintain air concentrations below occupational exposure standards.

Personal protective equipment

Eye protection : Wear eye protection/ face protection.

Hand protection : Wear the following personal protective equipment:
Standard glove type.
Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.

Skin protection : Personal protective equipment comprising: suitable protective gloves, safety goggles and protective clothing

Respiratory protection : When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Wash face, hands and any exposed skin thoroughly after handling. Provide suitable facilities for quick drenching or flushing of the eyes and body in case of contact or splash hazard.

Product AT USE DILUTION

Engineering measures : Effective exhaust ventilation system. Maintain air concentrations below occupational exposure standards.

SAFETY DATA SHEET

BRIGHT BLAST LOW ODOR FLOOR STRIPPER

Personal protective equipment

Eye protection	: Wear eye protection/ face protection.
Hand protection	: Wear the following personal protective equipment: Standard glove type. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.
Skin protection	: Personal protective equipment comprising: suitable protective gloves, safety goggles and protective clothing
Respiratory protection	: When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

	Product AS SOLD	Product AT USE DILUTION
Appearance	: liquid	liquid
Color	: clear, colorless	colorless
Odor	: solvent	alcohol-like
pH	: 12.0 - 13.0, (100 %)	13.0 - 13.8
Flash point	: Not applicable, Does not sustain combustion.	
Odor Threshold	: No data available	
Melting point/freezing point	: No data available	
Initial boiling point and boiling range	: No data available	
Evaporation rate	: No data available	
Flammability (solid, gas)	: No data available	
Upper explosion limit	: No data available	
Lower explosion limit	: No data available	
Vapor pressure	: No data available	
Relative vapor density	: No data available	
Relative density	: 1.13 - 1.15	
Water solubility	: soluble	
Solubility in other solvents	: No data available	
Partition coefficient: n-octanol/water	: No data available	
Autoignition temperature	: No data available	
Thermal decomposition	: No data available	
Viscosity, kinematic	: No data available	
Explosive properties	: No data available	
Oxidizing properties	: The substance or mixture is not classified as oxidizing.	
Molecular weight	: No data available	
VOC	: No data available	

SAFETY DATA SHEET

BRIGHT BLAST LOW ODOR FLOOR STRIPPER

SECTION 10. STABILITY AND REACTIVITY

Product AS SOLD

Reactivity	: No dangerous reaction known under conditions of normal use.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: No dangerous reaction known under conditions of normal use.
Conditions to avoid	: None known.
Incompatible materials	: None known.
Hazardous decomposition products	: Decomposition products may include the following materials: Carbon oxides Nitrogen oxides (NO _x) Sulfur oxides

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure : Inhalation, Eye contact, Skin contact

Potential Health Effects

Product AS SOLD

Eyes	: Causes serious eye damage.
Skin	: Causes severe skin burns.
Ingestion	: Causes digestive tract burns.
Inhalation	: May cause respiratory tract irritation. May cause nose, throat, and lung irritation.
Chronic Exposure	: Health injuries are not known or expected under normal use.

Product AT USE DILUTION

Eyes	: Causes serious eye damage.
Skin	: Causes severe skin burns.
Ingestion	: Causes digestive tract burns.
Inhalation	: May cause nose, throat, and lung irritation.
Chronic Exposure	: Health injuries are not known or expected under normal use.

Experience with human exposure

Product AS SOLD

Eye contact	: Redness, Pain, Corrosion
Skin contact	: Redness, Pain, Corrosion
Ingestion	: Corrosion, Abdominal pain

SAFETY DATA SHEET

BRIGHT BLAST LOW ODOR FLOOR STRIPPER

Inhalation : Respiratory irritation, Cough

Product AT USE DILUTION

Eye contact : Redness, Pain, Corrosion

Skin contact : Redness, Pain, Corrosion

Ingestion : Corrosion, Abdominal pain

Inhalation : Respiratory irritation, Cough

Toxicity

Product AS SOLD

Product

Acute oral toxicity : Acute toxicity estimate : > 5,000 mg/kg

Acute inhalation toxicity : 4 h Acute toxicity estimate : 16.16 mg/l
Test atmosphere: dust/mist

Acute dermal toxicity : Acute toxicity estimate : > 5,000 mg/kg

Skin corrosion/irritation : No data available

Serious eye damage/eye irritation : No data available

Respiratory or skin sensitization : No data available

Carcinogenicity : No data available

Reproductive effects : No data available

Germ cell mutagenicity : No data available

Teratogenicity : No data available

STOT-single exposure : No data available

STOT-repeated exposure : No data available

Aspiration toxicity : No data available

SECTION 12. ECOLOGICAL INFORMATION

Product AS SOLD

Ecotoxicity

Environmental Effects : This product has no known ecotoxicological effects.

Product

Toxicity to fish : No data available

Toxicity to daphnia and other aquatic invertebrates : No data available

Toxicity to algae : No data available

Components

Toxicity to fish : Benzyl alcohol
96 h LC50 Fish: > 100 mg/l

Components

Toxicity to daphnia and other : Sodium hydroxide

SAFETY DATA SHEET

BRIGHT BLAST LOW ODOR FLOOR STRIPPER

aquatic invertebrates 48 h EC50: 40 mg/l

monoethanolamine
48 h LC50: 65 mg/l

Components

Toxicity to algae : Sodium Xylenesulfonate
96 h EC50: 230 mg/l

Persistence and degradability

Product AS SOLD

Biodegradable

Product AT USE DILUTION

Biodegradable

Bioaccumulative potential

No data available

Mobility in soil

No data available

Other adverse effects

No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Product AS SOLD

Disposal methods : Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Dispose of wastes in an approved waste disposal facility.

Disposal considerations : Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers. Dispose of in accordance with local, state, and federal regulations.

RCRA - Resource Conservation and Recovery Authorization Act Hazardous waste : D002 (Corrosive)

Product AT USE DILUTION

Disposal methods : Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Dispose of wastes in an approved waste disposal facility.

Disposal considerations : Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers. Dispose of in accordance with local, state, and federal regulations.

SECTION 14. TRANSPORT INFORMATION

Product AS SOLD

SAFETY DATA SHEET

BRIGHT BLAST LOW ODOR FLOOR STRIPPER

The shipper/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

Land transport (DOT)

UN number : 3266
Description of the goods : Corrosive liquid, basic, inorganic, n.o.s.
(sodium hydroxide, monoethanolamine)
Class : 8
Packing group : II
Environmentally hazardous : no

Sea transport (IMDG/IMO)

UN number : 3266
Description of the goods : CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.
(sodium hydroxide, monoethanolamine)
Class : 8
Packing group : II
Marine pollutant : no

SECTION 15. REGULATORY INFORMATION

Product AS SOLD

EPCRA - Emergency Planning and Community Right-to-Know

CERCLA Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
Sodium hydroxide	1310-73-2	1000	10057

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards : Skin corrosion or irritation
Serious eye damage or eye irritation
Specific target organ toxicity (single or repeated exposure)

SARA 302 : This material does not contain any components with a section 302 EHS TPQ.

SARA 313 : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

California Prop. 65

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

California Cleaning Product Right to Know Act of 2017 (SB 258)

This regulation applies to this product.

Chemical Name	CAS-No.	Function	List(s)
water	7732-18-5	Diluent	Not Applicable
Sodium hydroxide	1310-73-2	Cleaning Agent	20
monoethanolamine	141-43-5	Cleaning Agent	Not Applicable
Benzyl alcohol	100-51-6	Solvent	FRA

SAFETY DATA SHEET

BRIGHT BLAST LOW ODOR FLOOR STRIPPER

Sodium Xylenesulfonate	1300-72-7	Stabilizer	Not Applicable
Fatty acid salt	Withheld	Cleaning Agent	Not Applicable
nonionic surfactant	Withheld	Cleaning Agent	Not Applicable

*refer to ecolab.com/sds for electronic links to designated lists

The ingredients of this product are reported in the following inventories:

United States TSCA Inventory :

On the inventory, or in compliance with the inventory

Canadian Domestic Substances List (DSL) :

This product contains one or several components that are not on the Canadian DSL nor NDSL.

Australia Inventory of Chemical Substances (AICS) :

not determined

New Zealand. Inventory of Chemical Substances :

not determined

Japan. ENCS - Existing and New Chemical Substances Inventory :

not determined

Korea. Korean Existing Chemicals Inventory (KECI) :

not determined

Philippines Inventory of Chemicals and Chemical Substances (PICCS) :

not determined

China. Inventory of Existing Chemical Substances in China (IECSC) :

not determined

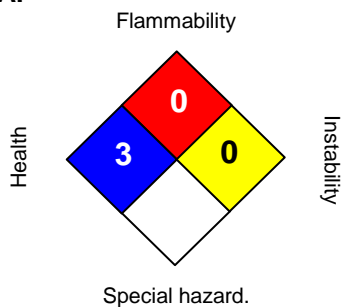
Taiwan Chemical Substance Inventory (TCSI) :

On the inventory, or in compliance with the inventory

SECTION 16. OTHER INFORMATION

Product AS SOLD

NFPA:



HMIS III:

HEALTH	3
FLAMMABILITY	0
PHYSICAL HAZARD	0

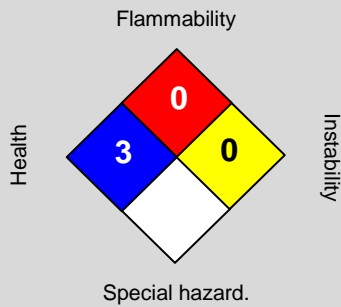
0 = not significant, 1 =Slight,
2 = Moderate, 3 = High
4 = Extreme, * = Chronic

Product AT USE DILUTION

SAFETY DATA SHEET

BRIGHT BLAST LOW ODOR FLOOR STRIPPER

NFPA:



HMIS III:

HEALTH	3
FLAMMABILITY	0
PHYSICAL HAZARD	0

0 = not significant, 1 = Slight,
2 = Moderate, 3 = High
4 = Extreme, * = Chronic

Issuing date : 07/11/2019
Version : 1.2
Prepared by : Regulatory Affairs

REVISED INFORMATION: Significant changes to regulatory or health information for this revision is indicated by a bar in the left-hand margin of the SDS.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Gemini Pro 25

CLASSIFICATION

A Low Frequency Floor Finish

PRODUCT DESCRIPTION

Gemini Pro 25 is a durable floor finish for use on resilient and manufactured floors.

USE

FOR INDUSTRIAL USE ONLY
KEEP FROM FREEZING

Features and Benefits:

- Gemini Pro 25 has a 25% solids content.
- The product is ideal for those with limited maintenance staff and time.
- The tough, durable finish was developed for low- to no-maintenance areas.
- It has a high initial gloss.
- Gemini Pro 25 works well in hallways and classroom environments having a low to no burnishing frequency.
- High level of mark resistance/durability.
- The product has a low odor when used.
- Meets or exceeds the CSMA benchmark for slip resistance as determined by ASTM D-2047.
- Meets the CARB VOC threshold to help reduce air pollution.



FLOOR COATING AND FINISHING MATERIAL AS TO SLIP RESISTANCE ONLY 95Y7
REVÊTEMENT POUR PLANCHERS ET MATÉRIAU DE FINITION POUR UNE
RÉSISTANCE AU GLISSEMENT UNIQUEMENT 95Y7
MATERIAL DE ACABADO Y REVESTIMIENTO DEL SUELO EN CUANTO A
RESISTENCIA A DESLIZAMIENTOS SOLAMENTE 95Y7

DIRECTIONS FOR USE

Full Strip Preparation: Strip the floor with an Ecolab stripper at recommended use dilution. Rinse well and let dry.

Scrub and Recoat Preparation: Deep scrub with an Ecolab alkaline cleaner using a green or blue pad. Rinse and let dry.

Sealing the Floor: A sealer is not required with Gemini Pro 25 on most resilient floors. If a sealer is desirable due to floor porosity (e.g. terrazzo) or for protection against staining spills, apply one to two coats of an Ecolab sealer before applying the finish.

Application: Gemini Pro 25 may be applied in either medium to heavy or thin coats, depending on the application technique.

Coverage: Coverage can range between 2000 and 4000 square feet/gallon, (49-98 square meters/liter) depending upon the floor porosity.

Maintenance: Dust mop, damp mop or use an autoscrubber with an Ecolab recommended cleaner. If desired, periodically buff or burnish with the appropriate floor pad. Prepare floors with an Ecolab cleaner/maintainer prior to burnishing to enhance the gloss response.

Gemini Pro 25 expires 1080 days from the manufacturing date.

The product is **not** freeze/thaw stable.

Storage temperature ranges between 41°F (5°C) and 122°F (50°C).

For service or additional information, call 1-800-35-CLEAN (352-5326).

PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid [Emulsion]
Color: Milky, white
Odor: Acrylic-like
PH: 8.4 [Conc. (% w/w): 100%]

INGREDIENTS:**Chemical Name/CAS (if present)****Percentage**

2-(2-ethoxyethoxy)ethanol, 111-90-0

1 – 5

% P: Formula ingredients contain 0.16% Phosphorus, 1.6 grams/liter, (6.3 grams/US gallon) of the recommended use concentration.

PACKAGING/PRODUCT NUMBERS

Size Available	Product Number
5 U.S. gallon/18.9 Liter	6102139

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

- Product name GEMINI PRO 25
- Other means of identification Not applicable
- Recommended use floor care product
- Restrictions on use Reserved for industrial and professional use.
- Product dilution information Product is sold ready to use.
- Company Ecolab Inc.
1 Ecolab Place
St. Paul, Minnesota US 55102
1-800-352-5326
- Emergency contact information 1-800-328-0026 US/Canada 1-651-222-5352 outside US
- Issuing date 04/14/2023

SECTION 2. HAZARDS IDENTIFICATION
GHS Classification

Not a hazardous substance or mixture.

GHS label elements

- Precautionary Statements **Prevention:**
 Wash hands thoroughly after handling.
Response:
Get medical advice/attention if you feel unwell.
Storage:
Store in accordance with local regulations.

Other hazards None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Pure substance/mixture Mixture

Chemical name	CAS-No.	Concentration (%)
2-(2-ethoxyethoxy)ethanol	111-90-0	5 - 10
zinc(2,2,2-tetraammine-, 1-4), carbonate [1]	38714-47-5	1 - 5

SECTION 4. FIRST AID MEASURES

- In case of eye contact Rinse with plenty of water.
- In case of skin contact Rinse with plenty of water.
- Inhalation Rinse mouth. Get medical attention if symptoms occur.
- Ingestion Get medical attention if symptoms occur.
- Protection of first-aiders No special precautions are necessary for first aid responders.

SAFETY DATA SHEET

GEMINI PRO 25

Notes to physician

No specific measures identified.

Most important symptoms and effects, both acute and delayed

See Section 11 for more detailed information on health effects and symptoms.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media

None known.

Specific hazards during fire fighting

Not flammable or combustible.

Hazardous combustion products

Decomposition products may include the following materials:
Carbon oxides
Oxides of hydrogen

Special protective equipment for fire-fighters

Use personal protective equipment.

Specific extinguishing methods

Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Refer to protective measures listed in sections 7 and 8.

Environmental precautions

No special environmental precautions required.

Methods and materials for containment and cleaning up

Stop leakage if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, e.g. sand, earth, diatomaceous earth, vermiculite and place in container for disposal according to local national regulations (see section 13) unless a small trace of water. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

SECTION 7. HANDLING AND STORAGE

Advice on safe handling

Wash hands after handling. In case of mechanical malfunction, or in contact with unknown dilution of product, wear full Personal Protective Equipment (PPE) for personal protection see section 8.

Conditions for safe storage

Keep out of reach of children. Store in suitable labeled containers.

Storage temperature

15 °C to 45 °C

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

SAFETY DATA SHEET

GEMINI PRO 25

Components	COS-No.	Form of exposure	Permissible concentration	Basis
2-Ethoxyethanol	111-90-0	T	25 ppm	OS EEL

Engineering measures Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Personal protective equipment

Eye protection No special protective equipment required.

Hand protection No special protective equipment required.

Skin protection No special protective equipment required.

Respirator protection No personal respiratory protective equipment normally required.

Hygiene measures Wash hands before breaks and immediately after handling the product.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	<input type="checkbox"/> liquid
Color	<input type="checkbox"/> colorless, white
Odor	<input type="checkbox"/> like acrylic
pH	<input type="checkbox"/> 8.0 - 8.9, 100 ppm
Flash point	<input type="checkbox"/> Not applicable
Odor Threshold	<input type="checkbox"/> No data available
Melting point/Freezing point	<input type="checkbox"/> No data available
Initial boiling point and boiling range	<input type="checkbox"/> 100 °C
Evaporation rate	<input type="checkbox"/> No data available
Flammability (solid, gas)	<input type="checkbox"/> Not applicable
Upper explosion limit	<input type="checkbox"/> No data available
Lower explosion limit	<input type="checkbox"/> No data available
Vapor pressure	<input type="checkbox"/> No data available
Relative vapor density	<input type="checkbox"/> No data available
Relative density	<input type="checkbox"/> 1.028 - 1.048
Water solubility	<input type="checkbox"/> soluble
Solubility in other solvents	<input type="checkbox"/> No data available
Partition coefficient n-octanol/water	<input type="checkbox"/> No data available
Autoignition temperature	<input type="checkbox"/> No data available
Thermal decomposition	<input type="checkbox"/> No data available
Viscosity (dynamic)	<input type="checkbox"/> No data available
Explosive properties	<input type="checkbox"/> No data available

SAFETY DATA SHEET

GEMINI PRO 25

- | | |
|---|---|
| <input type="checkbox"/> Oxidizing properties | <input type="checkbox"/> The substance or mixture is not classified as oxidizing. |
| <input type="checkbox"/> Molecular weight | <input type="checkbox"/> No data available |
| <input type="checkbox"/> VOC | <input type="checkbox"/> No data available |

SECTION 10. STABILITY AND REACTIVITY

- | | |
|---|--|
| <input type="checkbox"/> Reactivity | <input type="checkbox"/> No dangerous reaction known under conditions of normal use. |
| <input type="checkbox"/> Chemical stability | <input type="checkbox"/> Stable under normal conditions. |
| <input type="checkbox"/> Possibility of hazardous reactions | <input type="checkbox"/> No dangerous reaction known under conditions of normal use. |
| <input type="checkbox"/> Conditions to avoid | <input type="checkbox"/> None known. |
| <input type="checkbox"/> Incompatible materials | <input type="checkbox"/> Metals |
| <input type="checkbox"/> Hazardous decomposition products | <input type="checkbox"/> In case of fire hazardous decomposition products may be produced such as
Carbon oxides
Oxides of phosphorus |

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure Inhalation, Eye contact, Skin contact

Potential Health Effects

- | | |
|---|--|
| <input type="checkbox"/> Eyes | <input type="checkbox"/> Health injuries are not known or expected under normal use. |
| <input type="checkbox"/> Skin | <input type="checkbox"/> Health injuries are not known or expected under normal use. |
| <input type="checkbox"/> Ingestion | <input type="checkbox"/> Health injuries are not known or expected under normal use. |
| <input type="checkbox"/> Inhalation | <input type="checkbox"/> Health injuries are not known or expected under normal use. |
| <input type="checkbox"/> Chronic Exposure | <input type="checkbox"/> Health injuries are not known or expected under normal use. |

Experience with human exposure

- | | |
|---------------------------------------|---|
| <input type="checkbox"/> Eye contact | <input type="checkbox"/> No symptoms known or expected. |
| <input type="checkbox"/> Skin contact | <input type="checkbox"/> No symptoms known or expected. |
| <input type="checkbox"/> Ingestion | <input type="checkbox"/> No symptoms known or expected. |
| <input type="checkbox"/> Inhalation | <input type="checkbox"/> No symptoms known or expected. |

Toxicity

Product

- | | |
|--|---|
| <input type="checkbox"/> Acute oral toxicity | <input type="checkbox"/> Acute toxicity estimate $\leq 5,000$ mg/kg |
| <input type="checkbox"/> Acute inhalation toxicity | <input type="checkbox"/> No data available |
| <input type="checkbox"/> Acute dermal toxicity | <input type="checkbox"/> Acute toxicity estimate $\leq 5,000$ mg/kg |
| <input type="checkbox"/> Skin corrosion/irritation | <input type="checkbox"/> No data available |

SAFETY DATA SHEET

GEMINI PRO 25

Serious eye damage/eye irritation	<input type="checkbox"/> No data available
Respirator or skin sensitization	<input type="checkbox"/> No data available
Carcinogenicity	<input type="checkbox"/> No data available
Reproductive effects	<input type="checkbox"/> No data available
Germ cell mutagenicity	<input type="checkbox"/> No data available
Teratogenicity	<input type="checkbox"/> No data available
STOT-single exposure	<input type="checkbox"/> No data available
STOT-repeated exposure	<input type="checkbox"/> No data available
Aspiration toxicity	<input type="checkbox"/> No data available

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Environmental Effects Harmful to aquatic life long lasting effects.

Product

Toxicity to fish No data available

Toxicity to daphnia and other aquatic invertebrates No data available

Toxicity to algae No data available

Components

Toxicity to fish 2-(2-ethoxyethyl)ethanol
96 LC50 Ictalurus punctatus (channel catfish) 6,010 mg/l

Components

Toxicity to daphnia and other aquatic invertebrates 2-(2-ethoxyethyl)ethanol
48 LC50 Daphnia magna (water flea) 1,982 mg/l

Components

Toxicity to algae 2-(2-ethoxyethyl)ethanol
96 EC50 Desmodesmus subspicatus (green algae) 100 mg/l
Test substance information given is based on data obtained from similar substances.
96 NOEC Desmodesmus subspicatus (green algae) 100 mg/l
Test substance information given is based on data obtained from similar substances.

Persistence and degradability

Poorly biodegradable

Bioaccumulative potential

No data available

Mobility in soil

No data available

Other adverse effects

SAFETY DATA SHEET

GEMINI PRO 25

No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Do not contaminate ponds, waterways or ditches with chemical or used container. Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose in compliance with local regulations. Dispose of wastes in an approved waste disposal facility.

Disposal considerations

Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not reuse empty containers. Dispose of in accordance with local, state, and federal regulations.

SECTION 14. TRANSPORT INFORMATION

The shipper/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

Land transport (DOT)

Not dangerous goods

Sea transport (IMDG/IMO)

Not dangerous goods

SECTION 15. REGULATORY INFORMATION

EPCRA - Emergency Planning and Community Right-to-Know

CERCLA Reportable Quantity

This material does not contain any components that are CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components that are a section 304 EHS RQ.

SARA 311/312 Hazards

No SQR Hazards

SARA 302

This material does not contain any components that are a section 302 EHS TP.

SARA 313

The following components are subject to reporting levels established by SQR Title III, Section 313

2-(2-ethoxyethoxy)ethanol	111-90-0	5 - 10
zinc(2,2-tetraamine-, 1-4), carbonate	38714-47-5	1 - 5
2-(2-butoxyethoxy)ethanol	112-34-5	0 - 0.1
2-butoxyethanol	111-76-2	0 - 0.1

California Prop. 65

This product does not contain any chemicals known to the State of California to cause cancer, birth, or another reproductive defects.

California Cleaning Product Right to Know Act of 2017 (SB 258)

This regulation applies to this product.

SAFETY DATA SHEET

GEMINI PRO 25

Hazardous ingredients	COS-No.	Function	List(s)
Water	7732-18-5	Diluent	Not applicable
Chloric polymers	Not available	Film former	Not applicable
2-2-ethoxyethoxyethanol	111-90-0	Solvent	Not applicable
tris(2-butoxyethyl)phosphate	78-51-3	Solvent	Not applicable
Ala	Not listed	Film former	Not applicable
Polycarboxylic acid polymer	Not listed	Film former	Not applicable
Benzoate Esters	Not listed	Solvent	Not applicable
Polycarboxylic acid polymer	Not listed	Film former	Not applicable
Substituted heterocyclic compound	Not listed	Film former	Not applicable
Isotiazolinones	Not listed	Biocide	Not applicable
Halogenated triazole	Not listed	Biocide	Not applicable
Isotiazolinones	Not listed	Biocide	Not applicable

Refer to ecolab.com/sds for electronic links to designated lists

The ingredients of this product are reported in the following inventories:

United States TSCA Inventory

All substances listed as active on the TSCA inventory

Canadian Domestic Substances List (DSL)

This product contains one or several components listed in the Canadian NDSL.

Australia. Australian Industrial Chemicals Introduction Scheme (AICIS)

not determined

New Zealand. Inventory of Chemical Substances

not determined

Japan. ENCS - Existing and New Chemical Substances Inventory

not determined

Korea. Korean Existing Chemicals Inventory (KECI)

not determined

Philippines Inventory of Chemicals and Chemical Substances (PICCS)

not determined

China. Inventory of Existing Chemical Substances in China (IECSC)

not determined

Taiwan Chemical Substance Inventory (TCSI)

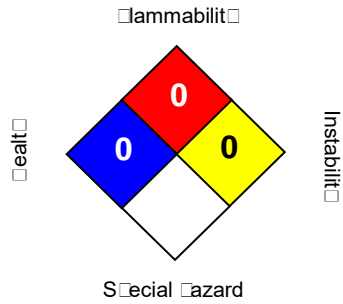
not determined

SECTION 16. OTHER INFORMATION

SAFETY DATA SHEET

GEMINI PRO 25

NFPA:



HMIS III:

HEALTH	0
FLAMMABILITY	0
PHYSICAL HAZARD	0

0 = not significant, 1 = Slight, 2 = Moderate, 3 = Significant, 4 = Extreme, C = Chronic

Issuing date 04/14/2023
Version 1.5
Prepared by Regulator Affairs

REVISION INFORMATION: Significant changes to regulator or health information or this revision is indicated by a bar in the left-hand margin of the SDS.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warrant or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with other materials or in any process, unless specified in the text.

PanTastic

CLASSIFICATION

Concentrated Pot & Pan Detergent

PRODUCT DESCRIPTION

Heavy duty, nonphosphate, high sudsing liquid pot and pan detergent offers excellent grease cutting. Available in three convenient sizes with fresh citrus scent.

USE

FOR FOOD PLANT AND INDUSTRIAL USE ONLY

DO NOT MIX WITH ANYTHING BUT WATER

Presoaking: Use 2 U.S. fl. oz. of *PanTastic* per 3 U.S. gallons (5 ml/L) of warm water. Scrape off soil from pots and pans. Place items in presoak solution and let stand until soil loosens.

Pot and Pan Washing: Cookware or utensils and other surfaces subject to direct contact with food are to be thoroughly rinsed with potable water prior to reuse.

Sink One – Fill sink using 1 U.S. fl. oz. of *PanTastic* per 10 U.S. gallons (0.8 ml/L) of hot water (110°-120°F/43°-49°C). Adjust amount of product up or down according to soil loads.

Sink Two — Immerse pots and pans in clean water. Remove and let excess water run back into sink.

Sink Three — Fill sink with warm water (75°-100°F/24°-38°C). Use an appropriate Ecolab sanitizer for a sanitizing rinse, following directions on label. Let air dry. Do not wipe. Follow local health department regulations for rinsing.

Consult your Ecolab Specialist for specific use directions.

For Service or additional information, call 1-800-35-CLEAN (352-5326)

PHYSICAL AND CHEMICAL PROPERTIES

PhysicalState	Liquid. [Liquid.]
Color	Blue. [Dark]
Odor	Floral
pH	6.8 to 8.5 [Conc. (% w/w): 100]

Compositional information:

Water	7732-18-5
Coco DEA	68603-42-9
Sodium Lauryl Ether Ethoxy Sulfate	68585-34-2
Sodium Lauryl Sulfate	68585-47-7
Sodium Chloride	7647-14-5

% P Formula ingredients contain no Phosphorus

PACKAGING / PRODUCT NUMBERS

Size Available	Product Number
4 - 1 U.S. gal/3.78 L	12963
5 GAL/18.9 L	12971
9 – 32 OZ	13003



SAFETY DATA SHEET

PANTASTIC

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

- Product name PANTASTIC
- Other means of identification Not applicable
- Recommended use Manual Abrasive Detergent
- Restrictions on use Reserved for industrial and professional use.

Product dilution information 0.049 - 0.137

Company Ecolab Inc.
 1 Ecolab Place
 St. Paul, Minnesota US 55102
 1-800-352-5326

Emergency contact information 1-800-328-0026 US/Canada 1-651-222-5352 outside US

Issuing date 03/09/2023

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Product AS SOLD

Eye irritation Category 2B

Product AT USE DILUTION

Not a hazardous substance or mixture.

GHS label elements

Product AS SOLD

Signal word Warning

Hazard Statements Causes eye irritation.

Precautionary Statements **Prevention:**
 Wash hands thoroughly after handling.
Response:
 IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Product AT USE DILUTION

Precautionary Statements **Prevention:**
 Wash hands thoroughly after handling.
Response:
 Get medical advice/attention if you feel unwell.
Storage:
 Store in accordance with local regulations.

Product AS SOLD

Other hazards None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

SAFETY DATA SHEET

PANTASTIC

Product AS SOLD

Pure substance Mixture

Chemical name

sodium chloride
Secondary amanesulphonates
Sodium dodecyl ether sulfate
amines, coco aldimet, n-oxides

CAS-No.

7647-14-5
68439-57-6
68585-34-2
61788-90-7

Concentration (%)

5 - 10
1 - 5
1 - 5
1 - 5

Product AT USE DILUTION

No hazardous ingredients

SECTION 4. FIRST AID MEASURES

Product AS SOLD

In case of eye contact Rinse with plenty of water.

In case of skin contact Rinse with plenty of water.

Inhalation Rinse mouth. Get medical attention if symptoms occur.

Ingestion Get medical attention if symptoms occur.

Protection of first-aiders No special precautions are necessary for first aid responders.

Notes to physician Treat symptomatically.

Most important symptoms and effects, both acute and delayed See Section 11 for more detailed information on health effects and symptoms.

Product AT USE DILUTION

In case of eye contact Rinse with plenty of water.

In case of skin contact Rinse with plenty of water.

Inhalation Rinse mouth. Get medical attention if symptoms occur.

Ingestion Get medical attention if symptoms occur.

SECTION 5. FIRE-FIGHTING MEASURES

Product AS SOLD

Suitable extinguishing media Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media None known.

Specific hazards during fire fighting Not flammable or combustible.

Hazardous combustion products Decomposition products may include the following materials:
Carbon oxides
Nitrogen oxides (NO)
Sulfur oxides

SAFETY DATA SHEET

PANTASTIC

Special protective equipment for fire-fighters Use personal protective equipment.

Specific extinguishing methods Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire and/or explosion do not breathe fumes.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Product AS SOLD

Personal precautions, protective equipment and emergency procedures Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed in sections 7 and 8.

Environmental precautions Do not allow contact with soil, surface or ground water.

Methods and materials for containment and cleaning up Stop leakage if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, e.g. sand, earth, diatomaceous earth, vermiculite and place in container for disposal according to local/national regulations (see section 13) unless a trace of water. For large spills, dice spilled material or otherwise contain material to ensure runoff does not reach a waterway.

Product AT USE DILUTION

Personal precautions, protective equipment and emergency procedures Refer to protective measures listed in sections 7 and 8.

Environmental precautions No special environmental precautions required.

Methods and materials for containment and cleaning up Stop leakage if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, e.g. sand, earth, diatomaceous earth, vermiculite and place in container for disposal according to local/national regulations (see section 13) unless a trace of water. For large spills, dice spilled material or otherwise contain material to ensure runoff does not reach a waterway.

SECTION 7. HANDLING AND STORAGE

Product AS SOLD

Advice on safe handling Do not inhale after handling. In case of mechanical malfunction, or in contact with undiluted product, wear full Personal Protective Equipment (PPE) for personal protection see section 8.

Conditions for safe storage Keep out of reach of children. Store in suitable labeled containers.

Storage temperature 0 °C to 50 °C

Product AT USE DILUTION

Advice on safe handling Do not inhale after handling. In case of mechanical malfunction, or in contact with undiluted product, wear full Personal Protective Equipment (PPE) for personal protection see section 8.

Conditions for safe storage Keep out of reach of children. Store in suitable labeled containers.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

SAFETY DATA SHEET

PANTASTIC

Product AS SOLD

Ingredients with workplace control parameters

Contains no substances with occupational exposure limit values.

Engineering measures Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Personal protective equipment

Eye protection No special protective equipment required.

Hand protection No special protective equipment required.

Skin protection No special protective equipment required.

Respirator protection No personal respiratory protective equipment normally required.

Hygiene measures Handle in accordance with good industrial hygiene and safety practice.

Product AT USE DILUTION

Engineering measures Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Personal protective equipment

Eye protection No special protective equipment required.

Hand protection No special protective equipment required.

Skin protection No special protective equipment required.

Respirator protection No personal respiratory protective equipment normally required.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

	Product AS SOLD	Product AT USE DILUTION
Appearance	liquid	liquid
Color	clear, dark blue	light blue
Odor	floral	floral
ppm	7.5 - 10.0, 100 ppm	6.64 - 7.15
Class point	Not applicable	
Odor Threshold	No data available	
Melting point/freezing point	No data available	
Initial boiling point and boiling range	$100 \text{ }^\circ\text{C}$	
Evaporation rate	No data available	
Flammability (solid, gas)	Not applicable	
Upper explosion limit	No data available	
Lower explosion limit	No data available	
Vapor pressure	No data available	

SAFETY DATA SHEET

PANTASTIC

Relative vapor density	<input type="checkbox"/> No data available
Relative density	<input type="checkbox"/> 1.037 - 1.057
Aqueous solubility	<input type="checkbox"/> Soluble
Solubility in other solvents	<input type="checkbox"/> No data available
Partition coefficient n-octanol/water	<input type="checkbox"/> No data available
Autoignition temperature	<input type="checkbox"/> No data available
Thermal decomposition	<input type="checkbox"/> No data available
Viscosity (kinematic)	<input type="checkbox"/> No data available
Explosive properties	<input type="checkbox"/> No data available
Oxidizing properties	<input type="checkbox"/> The substance or mixture is not classified as oxidizing.
Molecular weight	<input type="checkbox"/> No data available
VOC	<input type="checkbox"/> No data available

SECTION 10. STABILITY AND REACTIVITY

Product AS SOLD

Reactivity	<input type="checkbox"/> No dangerous reaction (h) under conditions of normal use.
Chemical stability	<input type="checkbox"/> Stable under normal conditions.
Possibility of hazardous reactions	<input type="checkbox"/> No dangerous reaction (h) under conditions of normal use.
Conditions to avoid	<input type="checkbox"/> None (h).
Incompatible materials	<input type="checkbox"/> None (h).
Hazardous decomposition products	<input type="checkbox"/> In case of fire hazardous decomposition products may be produced: Sulfur oxides Carbon oxides Nitrogen oxides (NOx) Sulfur oxides

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure: Inhalation, Eye contact, Skin contact

Potential Health Effects

Product AS SOLD

Eyes	<input type="checkbox"/> Causes eye irritation.
Skin	<input type="checkbox"/> Health injuries are not (h) or expected under normal use.
Ingestion	<input type="checkbox"/> Health injuries are not (h) or expected under normal use.
Inhalation	<input type="checkbox"/> Health injuries are not (h) or expected under normal use.
Chronic Exposure	<input type="checkbox"/> Health injuries are not (h) or expected under normal use.

Product AT USE DILUTION

SAFETY DATA SHEET

PANTASTIC

Effes	<input type="checkbox"/> ealt injuries are not no or eected under normal use.
Sin	<input type="checkbox"/> ealt injuries are not no or eected under normal use.
Ingestion	<input type="checkbox"/> ealt injuries are not no or eected under normal use.
Inalation	<input type="checkbox"/> ealt injuries are not no or eected under normal use.
Chronic Exposure	<input type="checkbox"/> ealt injuries are not no or eected under normal use.

Experience with human exposure

Product AS SOLD

Eff contact	<input type="checkbox"/> Redness, Irritation
Sin contact	<input type="checkbox"/> No smptoms no or eected.
Ingestion	<input type="checkbox"/> No smptoms no or eected.
Inalation	<input type="checkbox"/> No smptoms no or eected.

Product AT USE DILUTION

Eff contact	<input type="checkbox"/> No smptoms no or eected.
Sin contact	<input type="checkbox"/> No smptoms no or eected.
Ingestion	<input type="checkbox"/> No smptoms no or eected.
Inalation	<input type="checkbox"/> No smptoms no or eected.

Toxicity

Product AS SOLD

Product

cute oral toicit	<input type="checkbox"/> cute toicit estimate 5,000 mgg
cute inalation toicit	<input type="checkbox"/> No data available
cute dermal toicit	<input type="checkbox"/> cute toicit estimate 5,000 mgg
Sin corrosion/irritation	<input type="checkbox"/> No data available
Serious eff damage/eff irritation	<input type="checkbox"/> No data available
Respirator or sin sensitization	<input type="checkbox"/> No data available
Carcinogenicit	<input type="checkbox"/> No data available
Reproductive effects	<input type="checkbox"/> No data available
Germ cell mutagenicit	<input type="checkbox"/> No data available
Teratogenicit	<input type="checkbox"/> No data available
STOT-single exposure	<input type="checkbox"/> No data available
STOT-repeated exposure	<input type="checkbox"/> No data available
nsiration toicit	<input type="checkbox"/> No data available

Components

SAFETY DATA SHEET

PANTASTIC

- acute inhalation toxicity
- Secondary amanesulphonates
4 LC50 Rat 52 mg/l
Test atmosphere dust/mist

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Product AS SOLD

Environmental Effects Harmful to aquatic life - it is long lasting effects. Toxic to aquatic life.

Product AT USE DILUTION

Environmental Effects This product has no known ecological effects.

Product AS SOLD

Product

Toxicity to fish No data available

Toxicity to daphnia and other aquatic invertebrates No data available

Toxicity to algae No data available

Components

Toxicity to fish

sodium chloride
96 LC50 Leomis macrochirus (Bluegill sunfish) 5,840 mg/l

Secondary amanesulphonates
96 LC50 Danio rerio (zebra fish) 4.2 mg/l

Sodium polyoxyethylene dodecyl ether sulfate
96 LC50 fish 28 mg/l

Components

Toxicity to daphnia and other aquatic invertebrates

sodium chloride
48 EC50 Daphnia magna (water flea) 4,136 mg/l

Secondary amanesulphonates
48 EC50 Ceriodaphnia dubia (water flea) 4.53 mg/l

Components

Toxicity to algae

Secondary amanesulphonates
72 EC50 Skeletonema costatum (marine diatom) 5.2 mg/l

Persistence and degradability

Product AT USE DILUTION

Not applicable - inorganic

Bioaccumulative potential

No data available

Mobility in soil

No data available

Other adverse effects

No data available

SAFETY DATA SHEET

PANTASTIC

SECTION 13. DISPOSAL CONSIDERATIONS

Product AS SOLD

Disposal methods

- Do not contaminate ponds, waterways or ditches with chemical or used container. Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose in compliance with local regulations. Dispose of wastes in an approved waste disposal facility.

Disposal considerations

- Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not reuse empty containers. Dispose of in accordance with local, state, and federal regulations.

Product AT USE DILUTION

Disposal methods

- Diluted product can be used to sanitize sewer.

Disposal considerations

- Dispose of in accordance with local, state, and federal regulations.

SECTION 14. TRANSPORT INFORMATION

Product AS SOLD

The shipper/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

Land transport (DOT)

Not dangerous goods

Sea transport (IMDG/IMO)

Not dangerous goods

SECTION 15. REGULATORY INFORMATION

Product AS SOLD

EPCRA - Emergency Planning and Community Right-to-Know

CERCLA Reportable Quantity

This material does not contain any components that are CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components that are a section 304 EHS RQ.

SARA 311/312 Hazards

- Serious eye damage or eye irritation

SARA 302

- This material does not contain any components that are a section 302 EHS TPQ.

SARA 313

- This material does not contain any chemical components that have no known CAS numbers that exceed the threshold De Minimis reporting levels established by SOR Title III, Section 313.

SAFETY DATA SHEET

PANTASTIC

California Prop. 65

This product does not contain any chemicals known to the State of California to cause cancer, birth, or another reproductive defects.

California Cleaning Product Right to Know Act of 2017 (SB 258)

This regulation applies to this product.

Chemical Name	COS-No.	Function	Lists
Water	7732-18-5	Diluent	Not applicable
Secondary amine sulfonates	68439-57-6	Cleaning agent	Not applicable
sodium chloride	7647-14-5	Processing aid	
Sodium dodecylbenzenesulfonate	68585-34-2	Cleaning agent	Not applicable
Dodecyl dimethylamine oxide	1643-20-5	Cleaning agent	Not applicable
Anionic surfactant	Not listed	Cleaning agent	Not applicable
Nonionic surfactant	Not listed	Cleaning agent	Not applicable
Limonene	5989-27-5	Fragrance	RF
3a,4,5,6,7,7a-tetrahydro-4,7-methano-1H-inden-6-yl propanoate	17511-60-3	Fragrance	Not applicable
3,7-dimethyloct-6-enenitrile	51566-62-2	Fragrance	Not applicable
Beta-Pinene	127-91-3	Fragrance	Not applicable
terpinolene	586-62-9	Fragrance	Not applicable
phenethyl alcohol	60-12-8	Fragrance	Not applicable
3-chlorobenzoic acid, 4-trimethylammonium salt	98-55-5	Fragrance	Not applicable
mentha-1,4-diene	99-85-4	Fragrance	Not applicable
solvents additives	123-68-2	Fragrance	Not applicable
Benzene, 1-methyl-4-methyl	99-87-6	Fragrance	Not applicable
glutaraldehyde	111-30-8	Biocide	8, 20
Colorant	Not listed	Dye	Not applicable

Refer to ecolab.com/sds or electronic links to designated lists

The ingredients of this product are reported in the following inventories:

Switzerland. New notified substances and declared preparations
not determined

United States TSCA Inventory
 All substances listed as active on the TSCA inventory

Canadian Domestic Substances List (DSL)
 All components of this product are on the Canadian DSL

Australia. Australian Industrial Chemicals Introduction Scheme (AICIS)
On the inventory or in compliance with the inventory

New Zealand. Inventory of Chemical Substances
not determined

Japan. ENCS - Existing and New Chemical Substances Inventory
On the inventory or in compliance with the inventory

Korea. Korean Existing Chemicals Inventory (KECI)
On the inventory or in compliance with the inventory

SAFETY DATA SHEET

PANTASTIC

Philippines Inventory of Chemicals and Chemical Substances (PICCS)

On the inventor's or in compliance with the inventor's

China. Inventory of Existing Chemical Substances in China (IECSC)

On the inventor's or in compliance with the inventor's

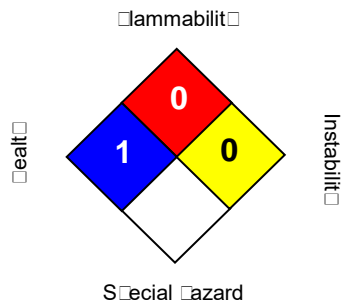
Taiwan Chemical Substance Inventory (TCSI)

On the inventor's or in compliance with the inventor's

SECTION 16. OTHER INFORMATION

Product AS SOLD

NFPA:



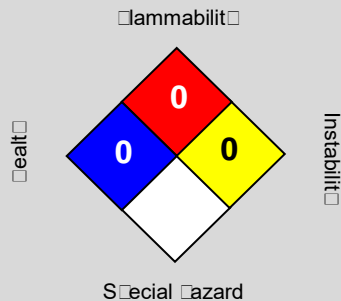
HMIS III:

HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0

0 = not significant, 1 = Slight,
2 = Moderate, 3 = Significant
4 = Extreme, ☐ ☐ Chronic

Product AT USE DILUTION

NFPA:



HMIS III:

HEALTH	0
FLAMMABILITY	0
PHYSICAL HAZARD	0

0 = not significant, 1 = Slight,
2 = Moderate, 3 = Significant
4 = Extreme, ☐ ☐ Chronic

Issuing date 03/09/2023

Version 1.4

Prepared by Regulator's Affairs

REVISED INFORMATION Significant changes to regulator's or health information or this revision is indicated by a bar in the left-hand margin of the SDS.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warrant or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with other materials or in an process, unless specified in the text.

TRUPOWER Dishmachine Detergent All Purpose

CLASSIFICATION

Concentrated Liquid Dish Machine Detergent

PRODUCT DESCRIPTION

High-alkaline formula designed to remove tough grease and starch food soils. water-conditioning and soil-suspending agents promote efficient cleaning and provide excellent results.

USE

FOR INDUSTRIAL USE ONLY - NOT FOR HOUSEHOLD USE

Do not store in food processing areas

TRUPOWER Dishmachine Detergent All Purpose is a concentrated dish machine detergent safe for use on institutional china, glassware, stainless steel and plasticware. Not recommended for use with silver, aluminum, or other soft metals.

Avoid food contamination during application and storage.

Rinse surfaces thoroughly with potable water after use

Use only with Dispensing Systems.

The dispensing rate is set on-site by an Ecolab specialist and may vary depending on water conditions, ware types, machine type etc.

Use Amount

Light: 5 drops

Medium: 10 drops

Heavy: 15 drops

Consult your Ecolab Specialist or call 1-800-35 CLEAN (352-5326) for specific use directions, service, or additional information.

PHYSICAL & CHEMICAL PROPERTIES

Appearance:	Liquid
Color:	Translucent, Amber
Odor:	Slight
pH:	12.5 – 14.0 (100%)

Contains:

Water	7732-18-5
Sodium Hydroxide	1310-73-2
Sodium Bisulfite	7631-90-5

PACKAGING & PRODUCT NUMBERS

Size	Product Number
4 - 1 U.S. Gal / 3.78 L	6113326
5 U.S. Gal / 18.9 L	6112716

TRUPOWER DISHMACHINE DETERGENT ALL PURPOSE

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name TRUPOWER DISHMACHINE DETERGENT ALL PURPOSE

Other means of identification Not applicable

Recommended use Detergent

Restrictions on use Reserved for industrial and professional use.

Product dilution information 0.08 - 0.2

Company Ecolab Inc.
1 Ecolab Place
St. Paul, Minnesota US 55102
1-800-352-5326

Emergency contact information 1-800-328-0026 (US/Canada) 1-651-222-5352 (outside US)

Issuing date 11/07/2023

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Product AS SOLD

Skin corrosion Category 1

Serious eye damage Category 1

Product AT USE DILUTION

Skin corrosion Category 1

Serious eye damage Category 1

GHS label elements

Product AS SOLD

Hazard pictograms



Signal word Danger

Hazard Statements Causes severe skin burns and eye damage.

Precautionary Statements **Prevention:**

Use personal protective equipment (PPE): wear eye protection, gloves and protective clothing before use.

Response:

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN or hair: Take off immediately all contaminated clothing. Rinse skin with water thoroughly. IF INhaled: Remove person to fresh air and see comfortable for breathing. Immediately call a POISON CENTER or doctor. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor. Use contaminated clothing before reuse.

SAFETY DATA SHEET

TRUPOWER DISHMACHINE DETERGENT ALL PURPOSE

Storage:

Store locked up.

Disposal:

Dispose of contents/container to an approved waste disposal plant.

Product AT USE DILUTION

Hazard pictograms



Signal word

Danger

Hazard Statements

Causes severe skin burns and eye damage.

Precautionary Statements

Prevention:

Wash thoroughly after handling. Wear protective gloves, protective clothing, eye protection, face protection.

Response:

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. **IF ON SKIN OR CLOTHING:** Take off immediately all contaminated clothing. Rinse skin with water copiously. **IF IN EYES:** Remove person to fresh air and see comfortable for breathing. Immediately call a POISON CENTER or doctor. **IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor. Do not reuse contaminated clothing before reuse.

Storage:

Store locked up.

Disposal:

Dispose of contents/container to an approved waste disposal plant.

Product AS SOLD

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Product AS SOLD

Pure substance/mixture

Mixture

Chemical name

Sodium hydroxide

sodium bisulfite

CAS-No.

1310-73-2

7631-90-5

Concentration (%)

10 - 30

1 - 5

Product AT USE DILUTION

No hazardous ingredients

SECTION 4. FIRST AID MEASURES

Product AS SOLD

In case of eye contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.

In case of skin contact

Wash immediately with plenty of water for at least 15 minutes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.

SAFETY DATA SHEET

TRUPOWER DISHMACHINE DETERGENT ALL PURPOSE

Inhalation	<input type="checkbox"/> Rinse mouth with water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.
Ingestion	<input type="checkbox"/> Remove to fresh air. Treat symptomatically. Get medical attention if symptoms occur.
Protection of first-aiders	<input type="checkbox"/> Potential for exposure exists refer to Section 8 for specific personal protective equipment.
Notes to physician	<input type="checkbox"/> Treat symptomatically.
Most important symptoms and effects, both acute and delayed	<input type="checkbox"/> See Section 11 for more detailed information on health effects and symptoms.

Product AT USE DILUTION

In case of eye contact	<input type="checkbox"/> Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.
In case of skin contact	<input type="checkbox"/> Wash immediately with plenty of water for at least 15 minutes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.
Inhalation	<input type="checkbox"/> Rinse mouth with water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.
Ingestion	<input type="checkbox"/> Remove to fresh air. Treat symptomatically. Get medical attention if symptoms occur.

SECTION 5. FIRE-FIGHTING MEASURES

Product AS SOLD

Suitable extinguishing media	<input type="checkbox"/> Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable extinguishing media	<input type="checkbox"/> None known.
Specific hazards during firefighting	<input type="checkbox"/> Not flammable or combustible.
Hazardous combustion products	<input type="checkbox"/> Decomposition products may include the following materials: Carbon oxides Sulfur oxides
Special protective equipment for firefighters	<input type="checkbox"/> Use personal protective equipment.
Specific extinguishing methods	<input type="checkbox"/> Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire and/or explosion do not breathe fumes.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Product AS SOLD

SAFETY DATA SHEET

TRUPOWER DISHMACHINE DETERGENT ALL PURPOSE

Personal precautions,
protective equipment and
emergency procedures

Ensure adequate ventilation. See the label a safe from and avoid of spillage. Avoid inhalation, ingestion and contact with skin and eyes. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed in sections 7 and 8.

Environmental precautions

Do not allow contact with soil, surface or ground water.

Methods and materials for
containment and cleaning up

Stop leakage if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, e.g. sand, earth, diatomaceous earth, vermiculite and place in container for disposal according to local national regulations (see section 13) unless a small traces of water. For large spills, dice spilled material or otherwise contain material to ensure runoff does not reach a water body.

Product AT USE DILUTION

Personal precautions,
protective equipment and
emergency procedures

Ensure adequate ventilation. See the label a safe from and avoid of spillage. Avoid inhalation, ingestion and contact with skin and eyes. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed in sections 7 and 8.

Environmental precautions

Do not allow contact with soil, surface or ground water.

Methods and materials for
containment and cleaning up

Stop leakage if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, e.g. sand, earth, diatomaceous earth, vermiculite and place in container for disposal according to local national regulations (see section 13) unless a small traces of water. For large spills, dice spilled material or otherwise contain material to ensure runoff does not reach a water body.

SECTION 7. HANDLING AND STORAGE

Product AS SOLD

Advice on safe handling

Do not ingest. Do not get in eyes, on skin, or on clothing. Do not breathe dust, fume, gas, mist, vapors or spray. Use only with adequate ventilation. Wash hands thoroughly after handling. In case of mechanical malfunction, or in contact with unknown dilution of product, wear full Personal Protective Equipment (PPE).

Conditions for safe storage

Do not store near acids. Keep out of reach of children. Store in suitable labeled containers.

Storage temperature

0 °C to 50 °C

Product AT USE DILUTION

Advice on safe handling

Do not ingest. Do not get in eyes, on skin, or on clothing. Do not breathe dust, fume, gas, mist, vapors or spray. Use only with adequate ventilation. Wash hands thoroughly after handling. In case of mechanical malfunction, or in contact with unknown dilution of product, wear full Personal Protective Equipment (PPE).

Conditions for safe storage

Keep out of reach of children. Store in suitable labeled containers.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Product AS SOLD

SAFETY DATA SHEET

TRUPOWER DISHMACHINE DETERGENT ALL PURPOSE

Ingredients with workplace control parameters

Components	COS-No.	Form of exposure	Permissible concentration	Basis
sodium hydroxide	1310-73-2	Ceiling	2 mg/m ³	CGI
		Ceiling	2 mg/m ³	NIOSH REL
		TWA	2 mg/m ³	OSHA Z1
sodium bisulfite	7631-90-5	TWA	5 mg/m ³	CGI
		TWA	5 mg/m ³	NIOSH REL

Engineering measures Effective exhaust ventilation system. Maintain air concentrations below occupational exposure standards.

Personal protective equipment

Eye protection Ear eye protection and/or face protection.

Hand protection Ear the following personal protective equipment
Standard glove type.
Gloves should be discarded and replaced if there is an indication of degradation or chemical breakthrough.

Skin protection Personal protective equipment comprising suitable protective gloves, safety goggles and protective clothing

Respiratory protection When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Hygiene measures Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use.
Wash face, hands and an enclosed skin thoroughly after handling. Provide suitable facilities for quick drenching or flushing of the eyes and body in case of contact or splash hazard.

Product AT USE DILUTION

Engineering measures Effective exhaust ventilation system. Maintain air concentrations below occupational exposure standards.

Personal protective equipment

Eye protection Ear eye protection and/or face protection.

Hand protection Ear the following personal protective equipment
Standard glove type.
Gloves should be discarded and replaced if there is an indication of degradation or chemical breakthrough.

Skin protection Personal protective equipment comprising suitable protective gloves, safety goggles and protective clothing

Respiratory protection When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Product AS SOLD
liquid

Product AT USE DILUTION
liquid

SAFETY DATA SHEET

TRUPOWER DISHMACHINE DETERGENT ALL PURPOSE

Color	<input type="checkbox"/> translucent, amber	colorless
Odor	<input type="checkbox"/> slight	odorless
<input type="checkbox"/> Flash point	<input type="checkbox"/> 12.5 - 14.0, <input type="checkbox"/> 100 <input type="checkbox"/>	11.0 - 12.1
<input type="checkbox"/> Class point	<input type="checkbox"/> Not applicable, Does not sustain combustion.	
Odor Threshold	<input type="checkbox"/> No data available	
Melting point/Freezing point	<input type="checkbox"/> No data available	
Initial boiling point and boiling range	<input type="checkbox"/> 100 °C	
Evaoration rate	<input type="checkbox"/> No data available	
<input type="checkbox"/> Flammability (solid, gas)	<input type="checkbox"/> Not applicable	
<input type="checkbox"/> Upper explosion limit	<input type="checkbox"/> No data available	
Lower explosion limit	<input type="checkbox"/> No data available	
Vapor pressure	<input type="checkbox"/> No data available	
Relative vapor density	<input type="checkbox"/> No data available	
Relative density	<input type="checkbox"/> 1.26 - 1.32	
<input type="checkbox"/> Water solubility	<input type="checkbox"/> soluble	
Solubility in other solvents	<input type="checkbox"/> No data available	
Partition coefficient n-octanol/water	<input type="checkbox"/> No data available	
<input type="checkbox"/> Autoignition temperature	<input type="checkbox"/> No data available	
Thermal decomposition	<input type="checkbox"/> No data available	
Viscosity (kinematic)	<input type="checkbox"/> No data available	
Explosive properties	<input type="checkbox"/> No data available	
Oxidizing properties	<input type="checkbox"/> The substance or mixture is not classified as oxidizing.	
Molecular weight	<input type="checkbox"/> No data available	
VOC	<input type="checkbox"/> No data available	

SECTION 10. STABILITY AND REACTIVITY

Product AS SOLD

Reactivity	<input type="checkbox"/> No dangerous reaction (no) under conditions of normal use.
Chemical stability	<input type="checkbox"/> Stable under normal conditions.
Possibility of hazardous reactions	<input type="checkbox"/> No dangerous reaction (no) under conditions of normal use.
Conditions to avoid	<input type="checkbox"/> None (no).
Incompatible materials	<input type="checkbox"/> Acids
Hazardous decomposition products	<input type="checkbox"/> In case of fire hazardous decomposition products may be produced such as: Carbon oxides Sulfur oxides

SECTION 11. TOXICOLOGICAL INFORMATION

SAFETY DATA SHEET

TRUPOWER DISHMACHINE DETERGENT ALL PURPOSE

Information on likely routes of exposure: Inhalation, Eye contact, Skin contact

Potential Health Effects

Product AS SOLD

- | | |
|------------------|--|
| Eye | <input type="checkbox"/> Causes serious eye damage. |
| Skin | <input type="checkbox"/> Causes severe skin burns. |
| Ingestion | <input type="checkbox"/> Causes digestive tract burns. |
| Inhalation | <input type="checkbox"/> May cause nose, throat, and lung irritation. |
| Chronic Exposure | <input type="checkbox"/> Health injuries are not known or expected under normal use. |

Product AT USE DILUTION

- | | |
|------------------|--|
| Eye | <input type="checkbox"/> Causes serious eye damage. |
| Skin | <input type="checkbox"/> Causes severe skin burns. |
| Ingestion | <input type="checkbox"/> Causes digestive tract burns. |
| Inhalation | <input type="checkbox"/> May cause nose, throat, and lung irritation. |
| Chronic Exposure | <input type="checkbox"/> Health injuries are not known or expected under normal use. |

Experience with human exposure

Product AS SOLD

- | | |
|--------------|--|
| Eye contact | <input type="checkbox"/> Redness, Pain, Corrosion |
| Skin contact | <input type="checkbox"/> Redness, Pain, Corrosion |
| Ingestion | <input type="checkbox"/> Corrosion, abdominal pain |
| Inhalation | <input type="checkbox"/> Respiratory irritation, Cough |

Product AT USE DILUTION

- | | |
|--------------|--|
| Eye contact | <input type="checkbox"/> Redness, Pain, Corrosion |
| Skin contact | <input type="checkbox"/> Redness, Pain, Corrosion |
| Ingestion | <input type="checkbox"/> Corrosion, abdominal pain |
| Inhalation | <input type="checkbox"/> Respiratory irritation, Cough |

Toxicity

Product AS SOLD

Product

- | | |
|---------------------------|---|
| acute oral toxicity | <input type="checkbox"/> acute toxicity estimate $\leq 5,000$ mg/kg |
| acute inhalation toxicity | <input type="checkbox"/> No data available |
| acute dermal toxicity | <input type="checkbox"/> No data available |
| Skin corrosion/irritation | <input type="checkbox"/> No data available |

SAFETY DATA SHEET

TRUPOWER DISHMACHINE DETERGENT ALL PURPOSE

- Serious eye damage/eye irritation No data available
- Respirator or skin sensitization No data available
- Carcinogenicity No data available
- Reproductive effects No data available
- Germ cell mutagenicity No data available
- Teratogenicity No data available
- STOT-single exposure No data available
- STOT-repeated exposure No data available
- Aspiration toxicity No data available

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Product AS SOLD

Environmental Effects This product has no known ecotoxicological effects.

Product AT USE DILUTION

Environmental Effects This product has no known ecotoxicological effects.

Product AS SOLD

Product

- Toxicity to fish No data available
- Toxicity to daphnia and other aquatic invertebrates No data available
- Toxicity to algae No data available

Components

Toxicity to fish sodium bisulfite
96 h LC50 is 177.8 mg/l

Components

Toxicity to daphnia and other aquatic invertebrates Sodium hydroxide
48 h EC50 Daphnia magna after 40 mg/l

Persistence and degradability

Product AT USE DILUTION

Not applicable - inorganic

Bioaccumulative potential

No data available

Mobility in soil

No data available

Other adverse effects

No data available

SECTION 13. DISPOSAL CONSIDERATIONS

SAFETY DATA SHEET

TRUPOWER DISHMACHINE DETERGENT ALL PURPOSE

Product AS SOLD

Disposal methods Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose in compliance with local regulations. Dispose of wastes in an approved waste disposal facility.

Disposal considerations Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not reuse empty containers. Dispose in accordance with local, state, and federal regulations.

RCR - Resource Conservation and Recovery Act Hazardous Waste D002 Corrosive

Product AT USE DILUTION

Disposal methods Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose in compliance with local regulations. Dispose of wastes in an approved waste disposal facility.

Disposal considerations Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not reuse empty containers. Dispose in accordance with local, state, and federal regulations.

SECTION 14. TRANSPORT INFORMATION

Product AS SOLD

The supplier/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

Land transport (DOT)

UN number 1824
 Description of the goods Sodium hydroxide solution
 Class 8
 Packaging group II
 Environmentally hazardous no

Sea transport (IMDG/IMO)

UN number 1824
 Proper shipping name SODIUM HYDROXIDE SOLUTION
 Class 8
 Packaging group II
 Marine pollutant no

SECTION 15. REGULATORY INFORMATION

Product AS SOLD

EPCRA - Emergency Planning and Community Right-to-Know

CERCLA Reportable Quantity

Components	COS-No.	Component RQ lbs	Calculated Product RQ lbs
Sodium hydroxide	1310-73-2	1000	4322

SAFETY DATA SHEET

TRUPOWER DISHMACHINE DETERGENT ALL PURPOSE

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components that are a section 304 EHS R.

SARA 311/312 Hazards

- Skin corrosion or irritation
- Serious eye damage or eye irritation

SARA 302

- This material does not contain any components that are a section 302 EHS TP.

SARA 313

- This material does not contain any chemical components that have a CDS number that exceeds the threshold De Minimis Reporting levels established by SOR Title III, Section 313.

California Prop. 65

This product does not contain any chemicals known to the State of California to cause cancer, birth, or another reproductive defects.

California Cleaning Product Right to Know Act of 2017 (SB 258)

This regulation applies to this product.

Hazardous ingredients	CDS-No.	Function	List(s)
Water	7732-18-5	Diluent	Not applicable
Sodium hydroxide	1310-73-2	Cleaning agent	20
sodium bisulfite	7631-90-5	Cleaning agent	Not applicable
Substituted Carboxylate	itself	Cleaning agent	Not applicable
Anionic polymer	itself	Cleaning agent	Not applicable
Polycarboxylate	itself	Cleaning agent	Not applicable
Carboxylate polymer	itself	Cleaning agent	Not applicable

Refer to ecolab.com/sds or electronic links to designated lists

The ingredients of this product are reported in the following inventories:

United States TSCA Inventory

All substances listed as active on the TSCA inventory

Canadian Domestic Substances List (DSL)

This product contains one or several components listed in the Canadian NDSL.

Australia. Australian Industrial Chemicals Introduction Scheme (AICIS)

On the inventory or in compliance with the inventory

New Zealand. Inventory of Chemical Substances

not determined

Japan. ENCS - Existing and New Chemical Substances Inventory

not determined

Korea. Korean Existing Chemicals Inventory (KECI)

On the inventory or in compliance with the inventory

Philippines Inventory of Chemicals and Chemical Substances (PICCS)

not determined

China. Inventory of Existing Chemical Substances in China (IECSC)

On the inventory or in compliance with the inventory

Taiwan Chemical Substance Inventory (TCSI)

SAFETY DATA SHEET

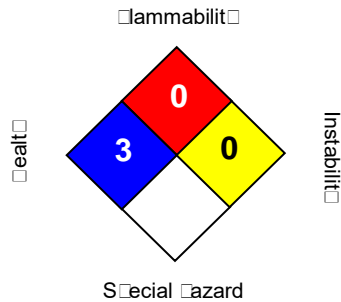
TRUPOWER DISHMACHINE DETERGENT ALL PURPOSE

On the inventor's or in compliance with the inventor's

SECTION 16. OTHER INFORMATION

Product AS SOLD

NFPA:



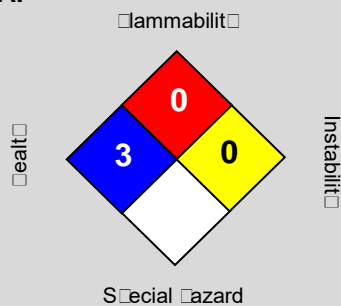
HMIS III:

HEALTH	3
FLAMMABILITY	0
PHYSICAL HAZARD	0

0 = not significant, 1 = Slight,
2 = Moderate, 3 = Significant
4 = Extreme, 0 = Chronic

Product AT USE DILUTION

NFPA:



HMIS III:

HEALTH	3
FLAMMABILITY	0
PHYSICAL HAZARD	0

0 = not significant, 1 = Slight,
2 = Moderate, 3 = Significant
4 = Extreme, 0 = Chronic

Issuing date 11/07/2023
Version 1.1
Prepared by Regulator Affairs

REVISED INFORMATION Significant changes to regulator or health information for this revision is indicated by a bar in the left-hand margin of the SDS.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warrant or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with other materials or in an process, unless specified in the text.



Ben Zuniga
Bid Contracts Manager I

1 Ecolab Place
St. Paul MN 55102 □S□
T 651 795 4378
E Benjamin.zuniga@ecolab.com

State of Nebraska
State Purchasing Bureau
1526 □ Street, Suite 130
Lincoln, NE 68508

December 14, 2023

ITB - 6840 OF – Ecolab Inc. - Contact Information:

Corporate Account Manager

Matthew Gill

Title: Corporate Account Manager - State & Local Government

Phone: 708-906-9279

Email: Matthew.gill@ecolab.com

Contract Administrator

Ben Zuniga

Title: Bid Contracts Manager

Phone: 651-795-4378

Email: Benjamin.zuniga@ecolab.com

Ecolab Customer Service

Phone: +1-800-352-5326

Fax: +1-651-225-3098

Email: GovtOrders@ecolab.com
CS-InstitutionalOrders@ecolab.com



Ben Zuniga
Bid Contracts Manager I

1 Ecolab Place
St. Paul MN 55102 ☐S☐
T 651 795 4378
E Benjamin.zuniga@ecolab.com

State of Nebraska
State Purchasing Bureau
1526 Street, Suite 130
Lincoln, NE 68508

December 14, 2023

ITB - 6840 OF – Subcontractor Listing, referenced in III. Contractor Duties:

The following is a listing of Ecolab Authorized Distributors that may be utilized to take orders, deliver, bill, and accept payment on behalf of Ecolab Inc., at the request of State of Nebraska location and/or political sub-division utilizing the State of Nebraska Contract. Distributors are contractually obligated to extend current State pricing to customers utilizing this contract.

Sysco Denver	5000 Beeler Street	Denver	CO	80238
Sysco Lincoln	900 Kingbird Road	Lincoln	NE	68521
National Everything Wholesale	2511 S 156th Circle	Omaha	NE	68130
Capital Sanitary Supply	2125 Sunset Road	Des Moines	IA	50321
Cash-Wa Distributing	104 W 4th Street	Kearney	NE	68845

*** Ecolab requests the option to update this list as distributor partnerships fluctuate.*

If at any point you have any questions or concerns, please do not hesitate to reach out.

Sincerely,

Ben Zuniga
Bid Contracts Manager I



On-Demand Digital Training

BY ECOLAB

Train and retain staff with easy access to simple and flexible employee training



Help accelerate onboarding and improve retention

- Empower employees with self-service, task-specific training
- Accelerate time-to-competency
- Train today's modern employee in short spurts, anytime, anywhere



Build a more dependable operation

- Employ a team that is consistently prepared to do their job
- Address key labor challenges to drive operational efficiency
- Perform to your potential while managing your bottom line



Enable increased safety

- Improve compliance with critical cleaning procedures
- Help protect people and reputations
- Promote a higher standard of clean everyday

1-In-4 people say

**CLEANING
AND
SANITATION**

is the top factor in
choosing which
businesses to visit¹

¹McKinsey Survey

On-Demand Digital Training

BY ECOLAB

Teach and reinforce cleaning best practices via targeted training

For more than 100 years, we have delivered unmatched training and guidance through our team of experts. Today, our training is available on-site, in-person and digitally through On-Demand Digital Training by Ecolab, featuring:



Quality and Accessibility of Content

- Available 24/7 on any device in multiple languages
- High-quality videos guided by trusted expertise and science-based validation
- Access to resource center and live service team

Range of Information

- Course catalogs organized by specific tasks and learning outcomes
- 3-minute average lesson length

Breadth of Personalization and Reporting

- Capability to personalize content for your specific needs
- Visibility of progress, completions and assessments to validate knowledge transfer

Scan the QR code to register today

Contact your Ecolab representative to learn more

[Ecolab.com/OnDemandDigitalTraining](https://www.ecolab.com/OnDemandDigitalTraining)



Partnering to Clean and Protect for Your Success

1 Ecolab Place St. Paul, MN 55102
www.ecolab.com 1 800 35 CLEAN

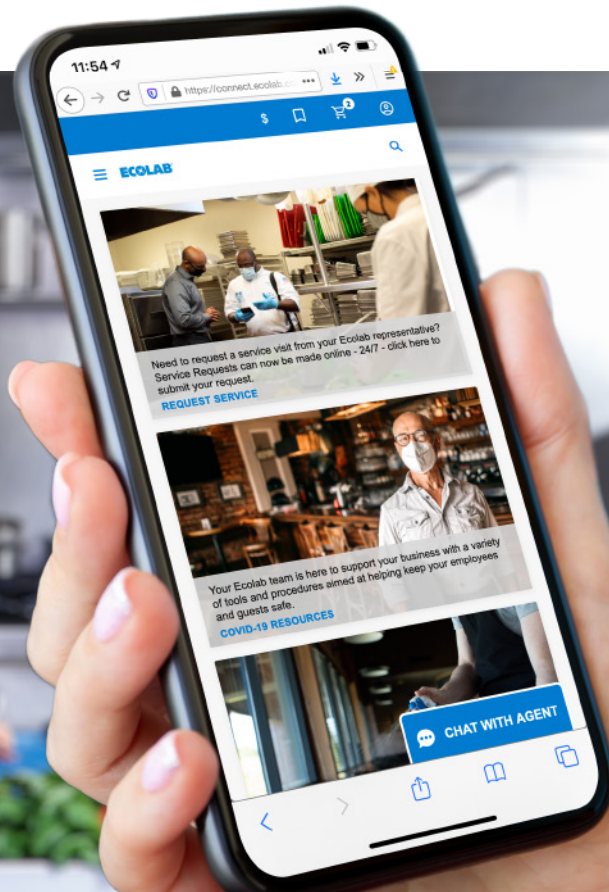
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ECOLAB[®]
PROTECTING WHAT'S VITAL[™]

connect.Ecolab.com

CUSTOMER PORTAL

Your **anytime,**
anywhere Ecolab
personalized
online experience



Connect: Ecolab's **NEW** Customer Portal

Our new online customer portal offers you tools and resources to manage your personalized Ecolab experience. Connect is **intuitive, easy** and it's **customized** to YOUR business. Access to your specific location helps you see the big picture to successfully run your operation.

The customer portal is a powerful new way to connect – anytime, anywhere.

- ✓ Access product information and safety data sheets for your Ecolab products
- ✓ Place orders direct from Ecolab and easily reorder products
- ✓ Check status and track shipment on direct orders placed with Ecolab
- ✓ View 90-day history of all direct orders
- ✓ Request Service online and view history

ECOLAB[®]

Powerful tools. Easy access.

Ordering*

Running an optimized operation is even easier with quick access to a personalized view of your Ecolab products along with one-click ordering.



Place Orders Online

Find and order products direct from Ecolab, from your PC or mobile device.



Check Order Status

Get instant access to your orders for real-time updates.



Track Shipments

Check your estimated delivery dates in one click for better planning.



View Order History

View history of orders placed with Ecolab for the past 90 days and add quicklists for easy reordering.

* Ordering only available for products shipped direct from Ecolab. For products you order through our Distributor partners, please continue placing your orders with your respective Distributor.

Service & Support

Extending Ecolab's expert service to the customer portal allows you to **quickly request service** and find information on Ecolab products and services to keep your operation running smoothly.



Request a Service Call

Quickly submit a service request through the customer portal and review history.



View Product Information

Accessible product specifications, descriptions, photos, SDS sheets and more.



Guided Tutorials

Take a tour of website functionalities – launch the digital tutorials and learn about all the customer portal has to offer.



Chat with Agent

Click to chat with Ecolab experts who are available to help you troubleshoot digital issues and answer questions.

Start today connect.Ecolab.com

Log in to the customer portal today to access the tools and resources that will help power your performance.



Kitchen Service Procedures

Personally Delivered Service

Service Commitment

- ▲ On call 24 hours a Day, 7 Days a week ☎ 1-800-352-5326

Visit Procedures for Ecolab Representative

- ▲ Communicate with the General Manager for any problems between calls and for new employees that need training on Ecolab areas of responsibility
- ▲ Ecolab Representative proceeds with preventative maintenance call.



Results Inspected

- ▲ The Ecolab Representative will inspect bare results which may include dishes, glassware, cups, flatware, pots and pans.

Disinfectant Machine Inspected Areas May Include

- | | | | |
|---------------------|-------------------|--------------|--------------|
| ■ Booster Heater | ■ Door | ■ Fill Valve | ■ Jets |
| ■ Rinse Valve | ■ Water Level | ■ Drains | ■ Curtains |
| ■ Overflow | ■ Pre-rinse Spray | ■ Bypass | ■ Rinse Arms |
| ■ Gauges | ■ Pumps | ■ Spray Arms | ■ Motor |
| ■ Final Rinse | ■ Pre-Scrubber | ■ Sights | ■ Conveyors |
| ■ Water Temperature | ■ Timers | | |

Dispensing Equipment Inspected

- ▲ Ecolab Representative will inspect all dispensing equipment to ensure proper function and concentrations.

Readings Taken

- ▲ Ecolab Representative will measure and record machine, product and water readings including

■ Spray Temp	■ Rinse PSI	■ Rinse Additive	■ Detergent Titration
■ Produce Spray	■ Quat Sanitizer	■ Water Hardness	■ Final Rinse Temp

General Kitchen Inspection

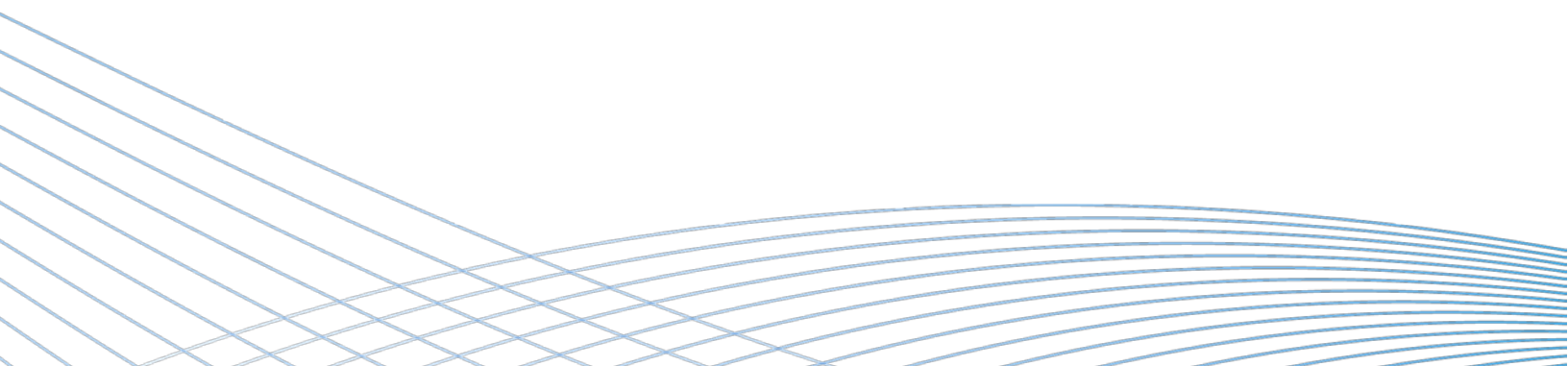
- ▲ Ecolab Representative will inspect general kitchen area which may include

■ Pre-scrubber	■ Procedures	■ Garbage Disposal	■ Food Contact Surfaces
■ Cooler/Freezer	■ Sink		

360° Protection

- ▲ Ecolab Representative will inspect operational areas and potential safety areas including

■ Exit Spray Station	■ First Aid Kit	■ MSDS Station	■ Wall Charts
■ Spray Bottles	■ Labels	■ Test Strips	■ Front Entrance
■ Inventory Storage	■ Floors	■ Restrooms	
- ▲ All issues identified and services provided will be detailed on a **Service Detail Report**. The Ecolab Representative prior to leaving will make required adjustments, corrections or repairs or make arrangements for them. Service reports will be reviewed electronically and signed by the Manager with all action needed agreed upon. A copy of the report will be faxed or e-mailed the following day.





Housekeeping Service Procedures

Personally Delivered Service

Service Commitment

- ▲ On call 24 hours a Day, 7 Days a week 1-800-352-5326

Housekeeping Procedures for Ecolab Representative

- ▲ Communicate with the General Manager for any problems between calls and for new employees that need training on Ecolab areas of responsibility



Results Inspected

- ▲ The Ecolab Representative will inspect housekeeping results which may include floors, entrance area, employee restrooms, guest restrooms, and hallways.

Housekeeping Products Checked

- | | | | |
|-----------------------|--------------------|------------------|-------------------------|
| ■ All Purpose Cleaner | ■ Bathroom Cleaner | ■ Carpet Cleaner | ■ Disinfectant and Care |
| ■ Exterior Cleaner | ■ Floor Cleaner | ■ Glass Cleaner | |
| ■ Odor Control | ■ Sanitizer | ■ Specialty | |

Dispensing Equipment Inspected

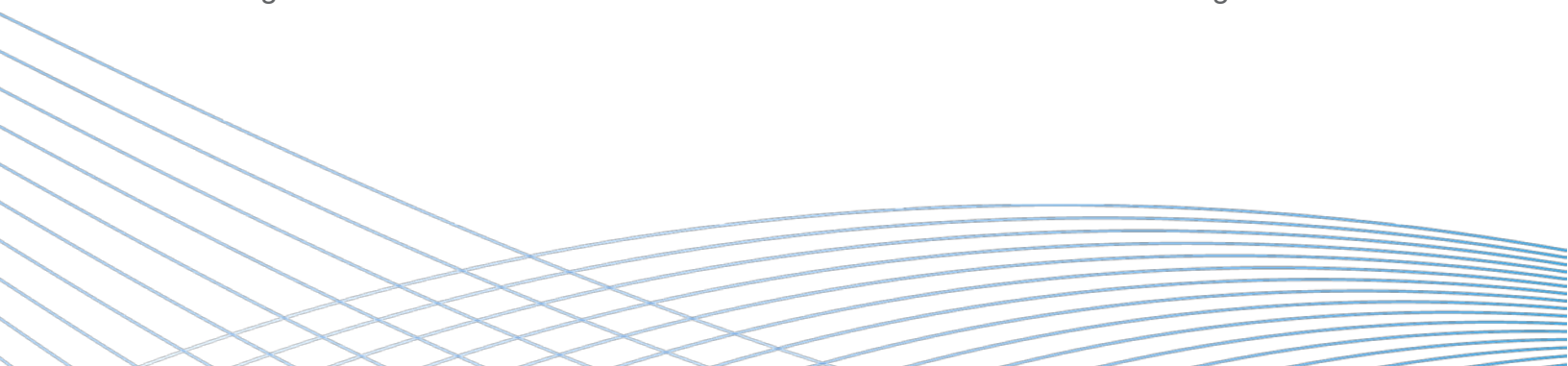
- ▲ Ecolab Representative will inspect all dispensing equipment to ensure proper function and concentrations.

360° Protection Operational Potential Safety Areas Inspected

- ▲ Ecolab Representative will inspect operational areas and potential safety areas which may include

- | | | | |
|--------------------|----------------|-----------------|---------------|
| ■ Eye Wash Station | ■ Floors | ■ Wall Charts | ■ Labels |
| ■ Biohazard Sign | ■ MSDS Station | ■ Spray Bottles | ■ Test Strips |
| ■ First Aid Kit | ■ Inventory | | |

- ▲ All issues identified and services provided will be detailed on a **Service Detail Report**. The Ecolab Representative prior to leaving will make required adjustments, corrections or repairs or make arrangements for them. Service reports will be reviewed electronically and signed by the Manager with all action needed agreed upon. A copy of the report will be faxed or e-mailed the following day.





Laundry Service Procedures

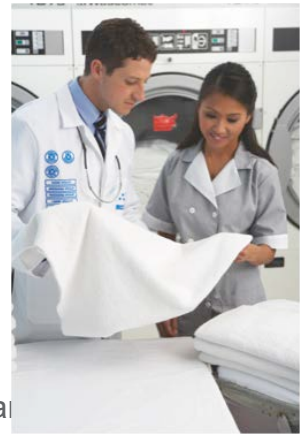
Personally Delivered Service

Service Commitment

- ▲ On call 24 hours a Day, 7 Days a week 1-800-352-5326

Laundry Visit Procedures for Ecolab Representative

- ▲ Call in with the General Manager or an problems between calls and employees that need training on Ecolab areas of responsibility
- ▲ Ecolab Representative proceeds with preventative maintenance call.



Results Inspected

- ▲ The Ecolab Representative will inspect laundry results which may include appearance, feel, odor, staining, rinsing, chlorine, and settability

Readings Taken

- ▲ Ecolab Representative will inspect general laundry area which may include equipment, procedures, and drawer.

Laundry Machine Products Checked May Include

- Load Counts
- Load Counter
- Formulas
- Drain
- Laundry Machine
- Reversing
- Doors
- Steam Tunnel
- Extract
- Valves
- Signals
- Formula Reading Equipment
- Timer
- Water

Dispensing Equipment Inspected

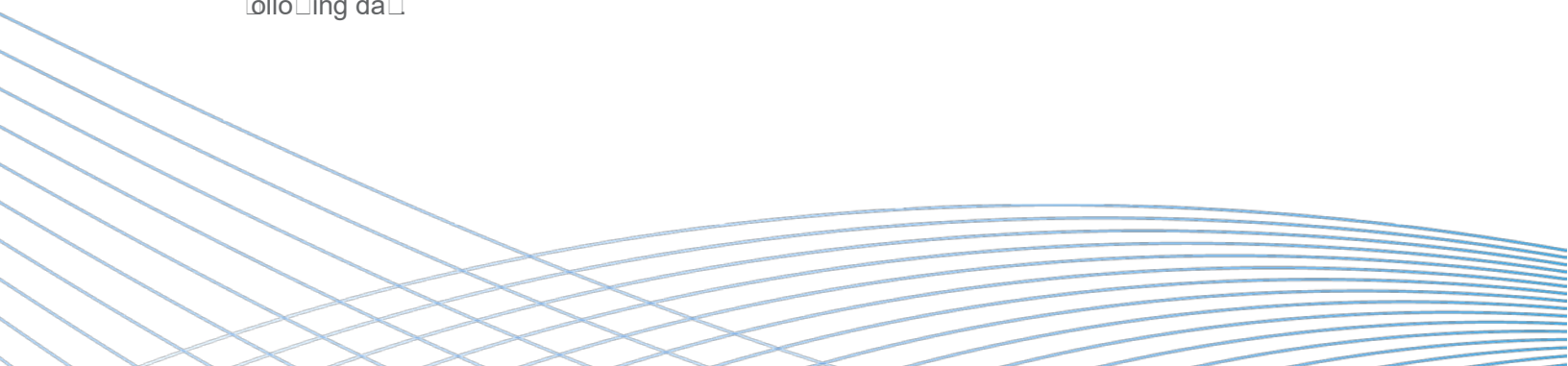
- ▲ Ecolab Representative will inspect all dispensing equipment to ensure proper function and concentrations.

360° Protection

- ▲ Ecolab Representative will inspect operational areas and potential safety areas which may include

- Eye Wash Station
- First Aid Kit
- MSDS Station
- Inventory Storage
- Spray Bottles
- Labels
- Test Strips
- Wall Charts
- Biohazard Kit
- Floors

- ▲ All issues identified and services provided will be detailed on a **Service Detail Report**. The Ecolab Representative prior to leaving will make required adjustments, corrections or repairs or make arrangements for them. Service reports will be reviewed electronically and signed by the manager with all action needed agreed upon. A copy of the report will be faxed or e-mailed the following day.





Sustainability

Sustainability goals drive everything we do and develop. We recognize that what we do not only has an effect within our footprint, but also serves as a model for the community as a whole. We take our responsibility seriously.



Ecolab Sustainability Pledge

- We are committed to delivering
 - ▲ **Superior Performance** • The best results the first time.
 - ▲ **Improved Environmental Impact** • Programs that help protect employee health and safety and minimize impact on land, air and water.
 - ▲ **Operational Savings** • Minimize wasteful consumption of water, energy, product, labor and packaging materials.



CLEAN SAFELY



SAVE ENERGY



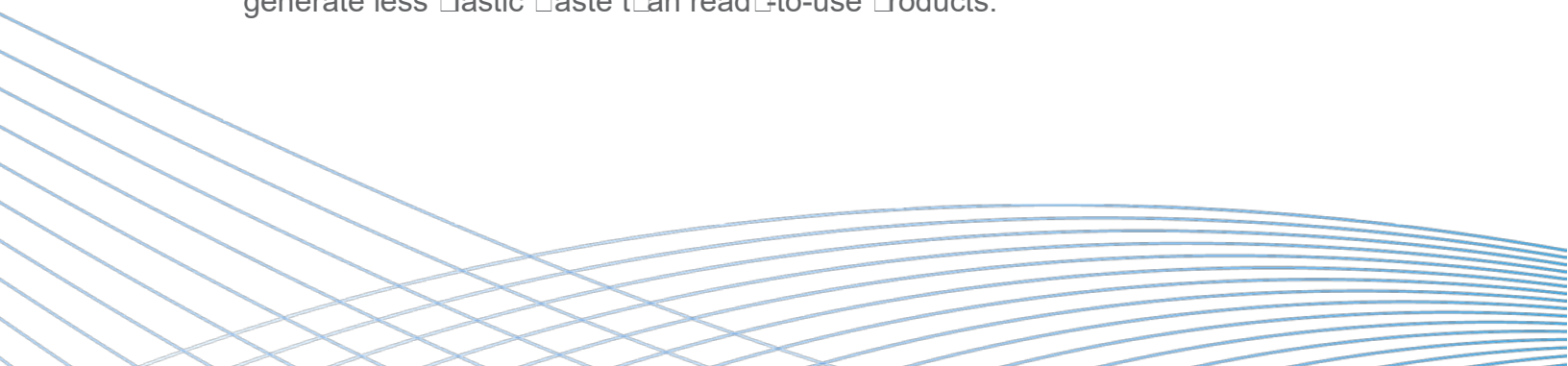
CONSERVE WATER



REDUCE WASTE

Helping Conserve Resources and Reduce Waste

- ▲ Our Solutions are proven to **clean safely** and reduce consumption of water, energy and packaging materials while protecting human health and ensuring safety.
- ▲ Up to **48% energy savings** gained using innovative laundry programs which reduces gas cycle steps thus saving water and energy.
- ▲ Up to **46% water savings** gained through advanced warewashing systems that monitor dishwasher use to lower rack counts and conserve utilities.
- ▲ Up to **98% less waste** when concentrated housekeeping solutions are used which generate less plastic waste than ready-to-use products.





Unparalleled Service You Can Trust

Knowledgeable, dependable and experienced Ecolab service specialists are dedicated to ensuring your success. During regular/scheduled visits, your Ecolab Representative will carefully inspect your cleaning and sanitation systems, equipment and operation to make sure everything is running as smoothly and efficiently as possible.

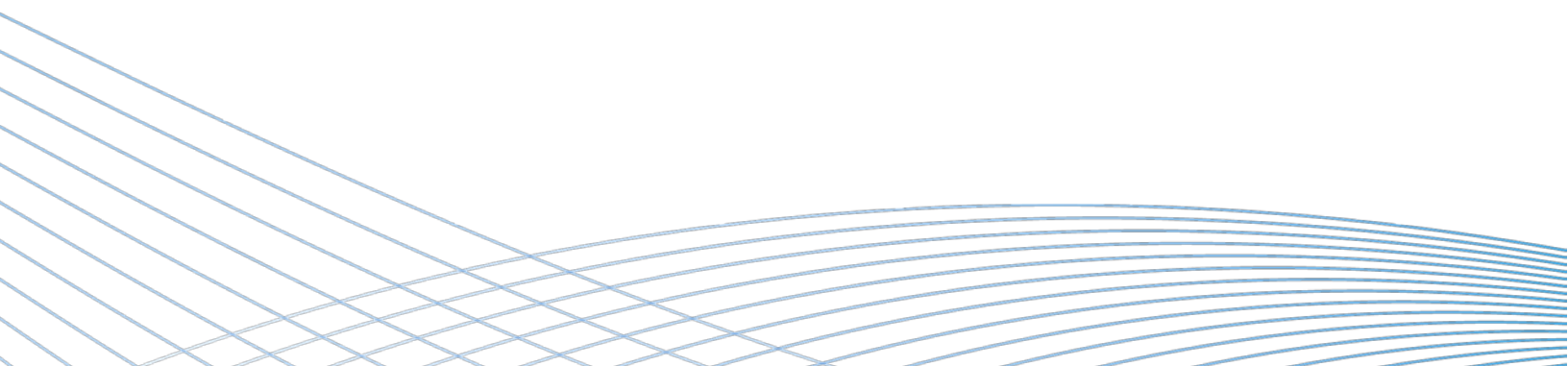
Personal Service


- ▲ Dedicated service specialists and regular on-site support
- ▲ Customized solutions with the right products, tools, and equipment
- ▲ Demonstrated impact supported by data
- ▲ Onsite employee training at no additional charge
- ▲ Troubleshooting and proactive issue resolution



Emergency Service Coverage

- ▲ Round-the-clock emergency service coverage - 24/7/365
- ▲ Live customer service agents at **1 800 35 CLEAN**
- ▲ Telephone follow-up on emergency service requests
- ▲ Escalation process to help insure timely issue resolution
- ▲ Technical support provided by world-class chemists, microbiologists and engineers





Impacts That MATTER

In a world of increasing transparency it's more important than ever to focus on the **TOTAL IMPACTS** of our solutions - helping our customers make choices leading to positive outcomes for people and the planet throughout the product lifecycle.

Safe and Sustainable Operations

At Ecolab, we share your commitment to clean, healthy, sustainable, and efficient - and deliver proof of that impact through exponential return on investment and value for our customers. Our eROI methodology considers all aspects of how a program affects customer outcomes including productivity, performance, water, energy, waste, and the attributes of our products that impact people and the planet during and after use. To ensure we are delivering sustainable outcomes, Ecolab developed the Impacts that Matter framework as our criteria for assessing product sustainability, focused on human health and environmental responsibility.

Assessing Total Impact

These key factors showcase eROI and the total impact across your operation.

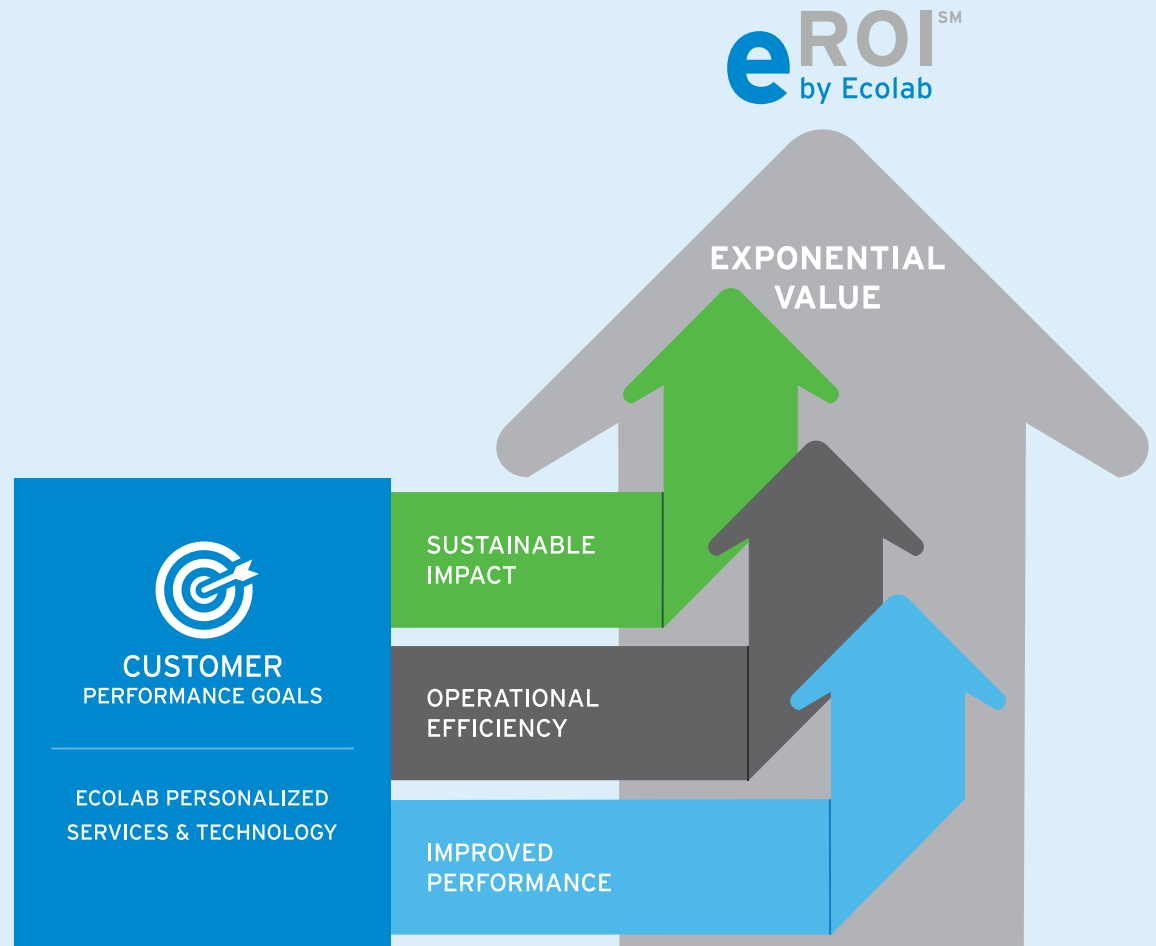


Impacts that Matter for Product Sustainability



HUMAN HEALTH & SAFETY

ENVIRONMENTAL RESPONSIBILITY



Impacts That MATTER

An Outcome Based Assessment of Product Sustainability

Product sustainability is a key aspect of how our programs impact people and the planet, in addition to water, energy, climate impacts and waste metrics. The Impacts that Matter product sustainability framework was developed using best in class scientific standards to be universal criteria that can be used to compare any product, anywhere in the world.



HUMAN HEALTH

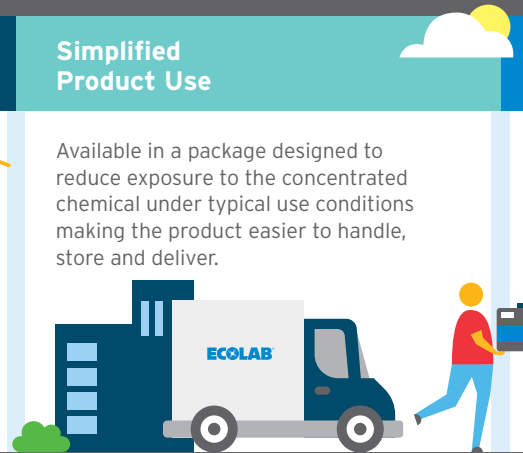
Requires No Personal Protection Equipment (PPE)

Requires no eye, hand, skin, or respiratory personal protective equipment when used as directed per Global Harmonized System (GHS) classifications. Simplifies training employees on safe, effective use and handling. Creates positive staff and occupant perception.



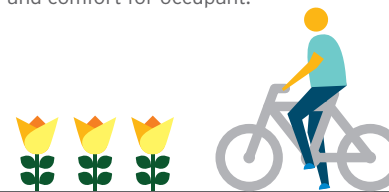
Simplified Product Use

Available in a package designed to reduce exposure to the concentrated chemical under typical use conditions making the product easier to handle, store and deliver.



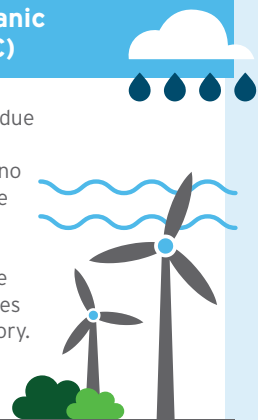
Fragrance Safety

Product is fragrance free or contains a fragrance compliant with International Fragrance Association (IFRA) safety standards. Fosters peace of mind for user and comfort for occupant.



Low Volatile Organic Compounds (VOC)

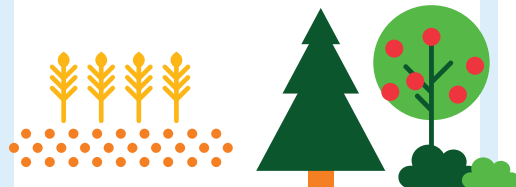
Minimizes air impacts due to volatile organic compounds. Contains no more than 10% volatile organic compounds, and/or complies with California Air Resource Board (CARB) guidelines per the product category.



ENVIRONMENTAL SAFETY

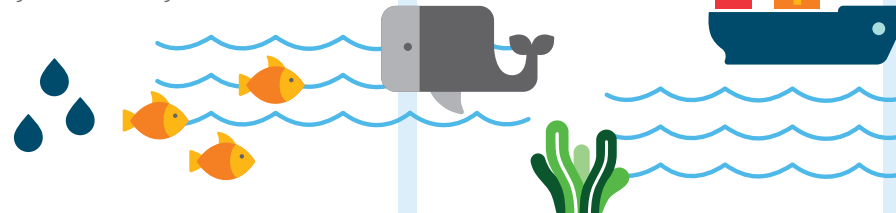
Biodegradable When Used as Directed

Product is designed for low impact to the natural environment and is classified as readily, ultimately or inherently biodegradable at use solution levels.



Not Toxic to Aquatic Life When Used as Directed

Product is not toxic to aquatic life when used as directed, reducing potential environmental hazard during waste discharge.



Product Contains No or Low Phosphorus

Minimizes nutrient pollution in aquatic environments from phosphorus.

Reduced Waste and Carbon Footprint

Concentrated products, requiring dilution with water prior to use, reduces packaging waste and carbon emissions due to transportation.



ECO-CERTIFICATIONS

In addition to our Impacts that Matter criteria, Ecolab provides subject matter expertise to both government and non-government organizations in the development of product-level eco-certification standards. Where it meets our customers' needs, we obtain eco-certifications for our products.

Currently, more than 250 Ecolab products are recognized by eco-certification bodies including:

- Green Seal
- Nordic Swan
- Korean Ecolabel
- EU Ecolabel
- Blue Angel
- USDA Biobased
- EPA Safer Choice and Design for the Environment



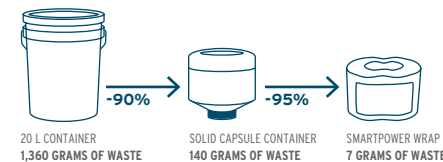
PUTTING A LID ON PLASTIC PACKAGING

Ecolab has been steadily reducing its use of plastic. In 2018, we saved more than 15 million pounds of newly produced plastic. Because of innovations in the way we formulate and package products for our customers, we have kept 71 million pounds of plastic out of circulation since 2014. We also have increased the recycled content in our plastic packaging materials by 10% every year since 2014.

HOW WE DID IT

Dishwashing Detergent

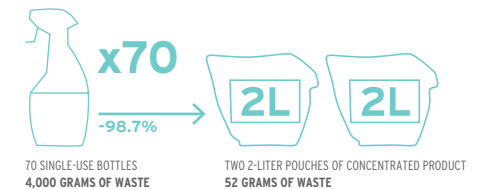
By moving from liquid chemistry in a bulky container to a shrink-wrapped solid capsule for our SMARTPOWER™ warewashing program, we reduced plastic use by more than 99% since 1960 while delivering the same clean end result.



PLASTIC REDUCTION:
99%

Cleaning Products

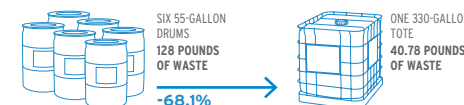
Our Oasis Pro system dispenses professional cleaning products into reusable bottles from small pouches, replacing single-use spray bottles.



PLASTIC REDUCTION:
99%

Industrial Chemistries in Reusable Totes

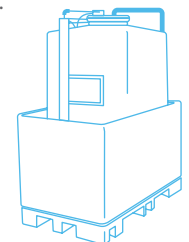
By delivering products in one 330-gallon intermediate bulk container (IBC) instead of six 55-gallon drums, we save 87.2 pounds of plastic. Ecolab's drums and IBCs are reusable for up to three years. This reduces the number of new 55-gallon plastic drums required by approximately 24%, and the number of new IBCs by just over 25%.



PLASTIC REDUCTION:
10 MILLION POUNDS IN 2018

PORTA-FEED™ Containers

In 1985, Ecolab's Nalco Water division began shipping industrial chemicals in steel, reusable bulk containers instead of plastic single-use drums. Since its introduction, the PORTA-FEED program has eliminated disposal of more than four million chemical drums.



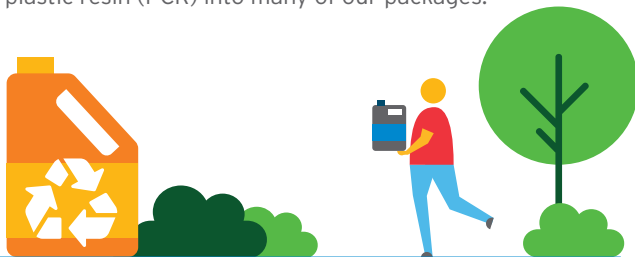
4 MILLION
PLASTIC DRUMS SAVED SINCE 1985

Sustainable Packaging

Sustainability is core to Ecolab's purpose which carries through into our packaging principles. Packaging is a core element of our programs, enhancing safety and functionality. We incorporate the principles of circular economy in our packaging designs, focused on innovation to design out waste, reuse materials, and enhance recyclability. We have a long history of pioneering solids technology and concentrated chemistry, in some cases

reducing waste from traditional packaging design by 99%.

In addition, we were an early adopter of reusable containers for our concentrate products, as well as in the incorporation of post-consumer recycled plastic resin (PCR) into many of our packages.



Ecolab is committed to ensuring that our products and packaging continue to advance safety and sustainability as key features of our innovation programs.

We are committed to continuously improving our designs to minimize waste and safely deliver best in class experiences for our customers.