SAFETY DATA SHEET

SOLID LAUNDRY SOUR SOFT

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name	:	SOLID LAUNDRY SOUR SOFT
Other means of identification	:	Not applicable
Recommended use	:	Laundry softener
Restrictions on use	:	Reserved for industrial and professional use.
Product dilution information	:	0.01 % - 0.02 %
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	:	06/16/2025

SECTION 2. HAZARDS IDENTIFICATION

GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)
Product AS SOLD
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 serious eye damage.

Precautionary Statements : **Prevention:**
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.
Immediately call a POISON CENTER/ doctor.

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 : 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	CAS-No.	Concentration (%) *
Dicarboxylic Acid C4-6	68603-87-2	10 - 30
citric acid	77-92-9	10 - 30
sodium chloride	7647-14-5	10 - 30
2-methylpentane-2,4-diol	107-41-5	3 - 7
alcohols, c12-16, ethoxylated >5EO	68551-12-2	1 - 5
Propylene glycol	57-55-6	0.1 - 1
Diethylene Glycol	111-46-6	0.1 - 1
Guar gum, 2-hydroxy-3-(trimethylammonio)propyl ether, chloride	65497-29-2	0.1 - 1

Product AT USE DILUTION

No hazardous ingredients

* Ranges if listed above for hazardous ingredient(s) are prescribed ranges. The actual concentration(s) or actual concentration range(s) are being withheld as a trade secret.

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 : Rinse with plenty of water.

If swallowed : Rinse mouth. Get medical attention if symptoms occur.

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.

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) 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	:	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). 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 get in eyes, on skin, or on clothing. Wash hands thoroughly after handling. Do not mix with bleach or other chlorinated products – will cause 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 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 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
2-methylpentane-2,4-diol	107-41-5	TWA (Vapour.)	25 ppm	ACGIH
		STEL (Vapour.)	50 ppm	ACGIH
		STEL (Inhalable fraction, Aerosol only)	10 mg/m3	ACGIH
		Ceiling	25 ppm 125 mg/m3	NIOSH REL
Propylene glycol	57-55-6	TWA	10 mg/m3	AIHA WEEL
Diethylene Glycol	111-46-6	TWA	10 mg/m3	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. 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
Physical State	:	Cast Solid	liquid
Color	:	No data available	colorless
Odor	:	No data available	Fragrance added
pH	:	3.0 - 5.0, (1 %)	4.0 - 7.0
Flash point	:	Not applicable	
Odor Threshold	:	No data available	
Melting point/freezing point	:	No data available	
Boiling point, initial boiling point and boiling range	:	> 100 °C	
Evaporation rate	:	No data available	
Flammability	:	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	:	1.23	
Density	:	No data available	
Water solubility	:	No data available	
Solubility in other solvents	:	No data available	
Partition coefficient: n-octanol/water (logarithmic value)	:	No data available	
Autoignition temperature	:	No data available	
Decomposition temperature	:	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	
Particle characteristics	:	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	:	Do not mix with bleach or other chlorinated products – will cause chlorine gas.
Conditions to avoid	:	None known.
Incompatible materials	:	None known.
Hazardous decomposition products	:	In the event of fire, see Section 5

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	:	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, Corrosion
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 : 4,956 mg/kg
Acute inhalation toxicity	:	4 h Acute toxicity estimate : 26.19 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

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

Components

Toxicity to fish	:	Dicarboxylic Acid C4-6 96 h LC50 Danio rerio (zebra fish): 59.5 mg/l citric acid 96 h LC50 Fish: > 100 mg/l sodium chloride 96 h LC50 Lepomis macrochirus (Bluegill sunfish): 5,840 mg/l

2-methylpentane-2,4-diol
96 h LC50 Fish: 8,510 mg/l

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

Propylene glycol
96 h LC50 Fish: > 10,000 mg/l

Diethylene Glycol
96 h LC50 Pimephales promelas: 75,200 mg/l

Guar gum, 2-hydroxy-3-(trimethylammonio)propyl ether, chloride
96 h LC50 Fish: 0.1 mg/l
Test substance: Information given is based on data obtained from similar substances.

Components

Toxicity to daphnia and other aquatic invertebrates : Dicarboxylic Acid C4-6
48 h EC50 Daphnia magna (Water flea): 46 mg/l

sodium chloride
48 h EC50 Daphnia magna (Water flea): 4,136 mg/l

2-methylpentane-2,4-diol
48 h EC50 Daphnia magna (Water flea): 2,800 mg/l

Propylene glycol
48 h EC50 Aquatic Invertebrate: 18,340 mg/l

Diethylene Glycol
24 h EC50 Daphnia magna (Water flea): > 10,000 mg/l

Components

Toxicity to algae : Dicarboxylic Acid C4-6
72 h EC50 Desmodesmus subspicatus (green algae): 41.9 mg/l

2-methylpentane-2,4-diol
72 h EC50 Pseudokirchneriella subcapitata (green algae): > 490 mg/l

Diethylene Glycol
96 h EC50: 9,362 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	:	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	:	This material does not contain any components with a section 302 EHS TPQ.
SARA 313	:	The following components are subject to reporting levels established by SARA Title III, Section 313: Ammonium Sulfate 7783-20-2 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.

Hazardous ingredients	CAS-No.	Function	List(s)
Dicarboxylic Acid C4-6	68603-87-2	Buffer	Not Applicable
citric acid	77-92-9	Buffer	Not Applicable
Ethanaminium, 2-hydroxy-N,N-bis(2-hydroxyethyl)-N-methyl-, esters with C16-18 and C18-unsatd. fatty acids, Me sulfates (salts)	157905-74-3	Antistatic	Not Applicable
2-methylpentane-2,4-diol	107-41-5	Solvent	Not Applicable
Ammonium Sulfate	7783-20-2	Absorbent	20
alcohols, c12-16, ethoxylated >5EO	68551-12-2	Solvent	Not Applicable
Polyacrylate	Withheld	Processing Aid	Not Applicable
Cellulose ethers	Withheld	Processing Aid	Not Applicable
Acrylic polymer	Withheld	Processing Aid	Not Applicable
4,7-Methano-1H-indenol, 3a,4,5,6,7,7a-hexahydro-, acetate	54830-99-8	Fragrance	Not Applicable
Silicone	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:

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 Chemicals (NZIoC) :
not determined

Japan. ENCS - Existing and New Chemical Substances Inventory :
not determined

Korea. Korean Existing Chemicals Inventory (KECI) :
Contains substance(s) not listed on the Korea Existing Chemicals Inventory.

Philippines Inventory of Chemicals and Chemical Substances (PICCS) :
not determined

China. Inventory of Existing Chemical Substances in China (IECSC) :
not determined

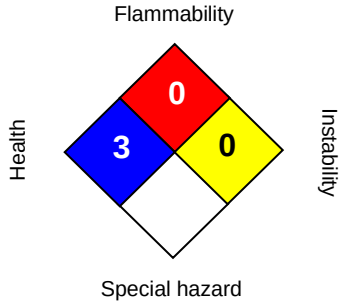
Taiwan Chemical Substance Inventory (TCSI) :
not determined

SECTION 16. OTHER INFORMATION

Product AS SOLD

SOLID LAUNDRY SOUR SOFT

NFPA:



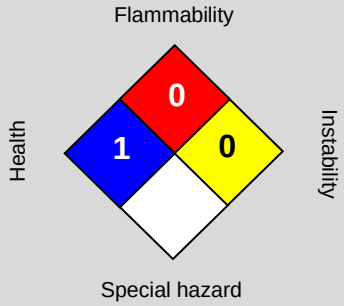
HMIS® IV:

HEALTH	/ 3
FLAMMABILITY	0
PHYSICAL HAZARD	0

HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "*" represents a chronic hazard, while the "/" represents the absence of a chronic hazard.

Product AT USE DILUTION

NFPA:



HMIS® IV:

HEALTH	/ 1
FLAMMABILITY	0
PHYSICAL HAZARD	0

HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "*" represents a chronic hazard, while the "/" represents the absence of a chronic hazard.

Issuing date	:	06/16/2025
Version	:	1.3
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.