

**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

Product name : KX-8169

Other means of identification : Not applicable

Recommended use : Cleaning product

Restrictions on use : Reserved for industrial and professional use.

Product dilution information : 0.5 % - 1.5 %

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 : 04/01/2025

**SECTION 2. HAZARDS IDENTIFICATION**

**GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)**

**Product AS SOLD**

Skin irritation : Category 2

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 skin irritation.  
Causes serious eye irritation.

Precautionary Statements : **Prevention:**  
Wash skin thoroughly after handling. Wear protective gloves/ eye protection/ face protection.  
**Response:**  
IF ON SKIN: Wash with plenty of water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If skin irritation occurs: Get medical advice/ attention. If eye irritation persists: Get medical advice/ attention. Take off contaminated clothing and wash it before reuse.

**Product AT USE DILUTION**

Precautionary Statements : **Prevention:**

# SAFETY DATA SHEET

KX-8169

Wash hands thoroughly after handling.

**Response:**

Get medical advice/ attention if you feel unwell.

**Storage:**

Store in accordance with local regulations.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Product AS SOLD**

Pure substance/mixture : Mixture

Chemical name	CAS-No.	Concentration (%)
glycerin	56-81-5	10 - 30
sodium chloride	7647-14-5	3 - 7
Monoethanolamine	141-43-5	1 - 5
triethanolamine	102-71-6	1 - 5
Sodium p-cumenesulphonate	15763-76-5	1 - 5
Sodium Carbonate	497-19-8	0.5 - 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 : Wash off 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.
- 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.

# SAFETY DATA SHEET

**KX-8169**

## 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<sub>x</sub>)  
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 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

## SAFETY DATA SHEET

**KX-8169**

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
glycerin	56-81-5	TWA	10 mg/m <sup>3</sup>	ACGIH
		TWA (respirable fraction)	5 mg/m <sup>3</sup>	OSHA Z1
monoethanolamine	141-43-5	TWA	3 ppm	ACGIH
		STEL	6 ppm	ACGIH
		TWA	3 ppm 8 mg/m <sup>3</sup>	NIOSH REL
		STEL	6 ppm 15 mg/m <sup>3</sup>	NIOSH REL
		TWA	3 ppm 6 mg/m <sup>3</sup>	OSHA Z1
triethanolamine	102-71-6	TWA	5 mg/m <sup>3</sup>	ACGIH

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 : 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 : 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.

# SAFETY DATA SHEET

**KX-8169**

## 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	: liquid	liquid
Color	: clear, light yellow	colorless
Odor	: mild	odorless
pH	: 9.2 - 9.8, (100 %)	8.5 - 9.5
Flash point	: Not applicable, Does not sustain combustion.	
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	: 1.125 - 1.185	
Density	: No data available	
Water solubility	: soluble	
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	: The substance or mixture is not classified as oxidizing.	
Molecular weight	: No data available	
VOC	: No data available	
Particle characteristics	: No data available	

# SAFETY DATA SHEET

**KX-8169**

## 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 the event of fire, see Section 5

## 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 irritation.
Skin	: Causes skin irritation.
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	: Redness, Irritation
Ingestion	: No symptoms known or expected.
Inhalation	: No symptoms known or expected.

#### Product AT USE DILUTION

Eye contact	: No symptoms known or expected.
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## SAFETY DATA SHEET

**KX-8169**

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 : 38.38 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 : 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	: glycerin 96 h LC50 Fish: 855 mg/l
	sodium chloride 96 h LC50 Lepomis macrochirus (Bluegill sunfish): 5,840 mg/l

# SAFETY DATA SHEET

KX-8169

triethanolamine  
96 h LC50 Fish: 11,800 mg/l

Sodium p-cumenesulphonate  
96 h LC50 Oncorhynchus mykiss (rainbow trout): > 1,000 mg/l

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

## Components

Toxicity to daphnia and other aquatic invertebrates : sodium chloride  
48 h EC50 Daphnia magna (Water flea): 4,136 mg/l

Monoethanolamine  
48 h EC50 Aquatic Invertebrate: 65 mg/l

triethanolamine  
48 h EC50 Aquatic Invertebrate: 609.88 mg/l

Sodium Carbonate  
48 h EC50 Ceriodaphnia (water flea): 213.5 mg/l

## Components

Toxicity to algae : triethanolamine  
72 h EC50 Aquatic Plant: > 100 mg/l

Sodium p-cumenesulphonate  
96 h EC50 Pseudokirchneriella subcapitata (algae): > 230 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 : 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.



# SAFETY DATA SHEET

**KX-8169**

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** : 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 does not apply to this product.

### 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

# SAFETY DATA SHEET

**KX-8169**

**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.

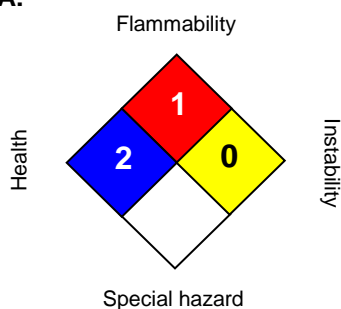
**Philippines Inventory of Chemicals and Chemical Substances (PICCS) :**  
not determined

**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**  
**NFPA:**

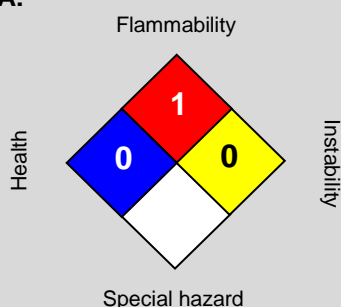


**HMIS® IV:**

<b>HEALTH</b>	<b>/ 2</b>
<b>FLAMMABILITY</b>	<b>0</b>
<b>PHYSICAL HAZARD</b>	<b>0</b>

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:**

<b>HEALTH</b>	<b>/ 0</b>
<b>FLAMMABILITY</b>	<b>1</b>
<b>PHYSICAL HAZARD</b>	<b>0</b>

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 : 04/01/2025  
Version : 1.1  
Prepared by : Regulatory Affairs

## SAFETY DATA SHEET

**KX-8169**

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.