SAFETY DATA SHEET



LIQUID SEP-KO

Section 1. Chemical product and company identification

Product name : LIQUID SEP-KO Recommended use and

restrictions

: Cleaning product

Use only for the purpose on the product label.

Product dilution information: Up to 4 oz/gal or 30 mL/L in water

Supplier's information : Ecolab Inc. Food & Beverage Division

> 370 N. Wabasha Street St. Paul. MN 55102 1-800-392-3392

Code : 922267 Date of issue : 24 Jan 2014

EMERGENCY HEALTH INFORMATION: 1-800-328-0026

Outside United States and Canada CALL 1-651-222-5352 (in USA)

Section 2. Hazards identification

Product AS SOLD

GHS Classification : SKIN CORROSION/IRRITATION - Category 2

SERIOUS EYE DAMAGE/ EYE IRRITATION -

Category 1

GHS label elements

Signal word : Danger

Symbol

Hazard statements : Causes serious eye damage.

Causes skin irritation.

Precautionary statements

Prevention : Wear protective gloves. Wear eye or face

protection. Wash hands thoroughly after

handling.

Response : IF ON SKIN: Wash with plenty of soap and

water. Take off contaminated clothing. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical attention. 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 physician.

Storage : No other specific measures identified.

Disposal : See section 13 for waste disposal information.

Other hazards : None known. **Product AT USE DILUTION**

Not classified.

No signal word.

No known significant effects or critical

hazards.

Wash thoroughly after handling.

Get medical attention if symptoms appear.

No other specific measures identified. See section 13 for waste disposal

information.

None known.

Section 3. Composition/information on ingredients

Substance/mixture : Mixture

Product AS SOLD

Hazardous ingredients Concentration Range (%) CAS number

sulfonic acids, petroleum, sodium salts 5 - 2068608-26-4 poly(oxy-1,2-ethanediyl), .alpha.-isotridecyl-.omega.-hydroxy-1 - 5 9043-30-5 **COCAMINE OXIDE** 1 - 5 61788-90-7

Product AT USE DILUTION

Within the present knowledge of the supplier, this product does not contain any hazardous ingredients in quantities requiring reporting, in accordance with local regulations.

Section 4. First aid measures

Product AS SOLD

Eye contact : Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do.

Continue rinsing. Get medical attention

immediately.

Skin contact : Take off contaminated clothing. Wash with

> plenty of soap and water. Get medical attention if irritation persists. Wash clothing before reuse.

Clean shoes thoroughly before reuse.

: No special measures required. Treat Inhalation

symptomatically.

: Get medical attention if symptoms occur. Ingestion

: No action shall be taken involving any personal risk or without suitable training. It may be

Product AT USE DILUTION

with water for a few minutes.

water for a few minutes.

symptomatically.

No known effect after eye contact. Rinse with

No known effect after skin contact. Rinse

No special measures required. Treat

Get medical attention if symptoms occur.

Protection of firstaiders dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated

clothing thoroughly with water before removing it, or wear gloves.

Notes to physician : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have

been ingested or inhaled.

See toxicological information (section 11)

Section 5. Fire-fighting measures

Product AS SOLD

Suitable fire extinguishing

media

: Use water spray, fog or foam.

Specific hazards arising from the chemical

Hazardous thermal

decomposition products

: Decomposition products may include the following materials:

carbon dioxide carbon monoxide

Specific fire-fighting

methods

: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without

: In a fire or if heated, a pressure increase will occur and the container may burst.

suitable training.

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

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Section 6. Accidental release measures

Product AS SOLD

Personal precautions : Initiate company's spill response procedures immediately. Keep people out of area. Put on appropriate personal protective equipment (see section 8). Do not touch or walk through spilled

material.

Environmental precautions

: Avoid contact of large amounts of spilled material and runoff with soil and surface waterways.

Methods for cleaning up

: Use a water rinse for final clean-up.

Product AT USE DILUTION

Use personal protective equipment as required.

Avoid contact of large amounts of spilled material and runoff with soil and surface waterways.

Use a water rinse for final clean-up.

Section 7. Handling and storage

Product AS SOLD

Handling : Do not get in eyes or on skin or clothing. Do not

breathe vapor or mist. Use only with adequate ventilation. Wash thoroughly after handling.

Storage : Keep out of reach of children. Keep container

Product AS SOLD

tightly closed.

Store between the following temperatures: -10

and 50°C

Product AT USE DILUTION

Wash thoroughly after handling.

Keep out of reach of children.

Section 8. Exposure controls/personal protection

Control parameters

Ingredient name	Exposure limits
None.	

Appropriate engineering controls

: Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. Provide suitable facilities for quick drenching or flushing of the eyes and body in case of contact or splash hazard.

Personal protection

Eye protection

: Use chemical splash goggles. For continued or severe exposure wear a face shield over the

goggles.

Hand protection

: Use chemical-resistant, impervious gloves.

Skin protection

: No protective equipment is needed under normal

use conditions.

Respiratory protection

: A respirator is not needed under normal and

intended conditions of product use.

Product AT USE DILUTION

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

No protective equipment is needed under normal use conditions.

No protective equipment is needed under normal use conditions.

No protective equipment is needed under normal use conditions.

A respirator is not needed under normal and intended conditions of product use.

Hygiene measures : Wash hands, forearms and face thoroughly after handling chemical products, before eating,

smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing

before reusing.

Section 9. Physical and chemical properties

Product AS SOLD

Physical state : Liquid.
Color : pink

 Odor
 : Faint odor

 pH
 : 8.92 (100%)

 Flash point
 : > 100°C

Product does not support combustion.

Explosion limits: Not available. **Flammability (solid,**: Not available.

gas)

Melting point: Not available.Boiling point: >100°C (>212°F)Evaporation rate: Not available.

(butyl acetate = 1)

Vapor pressure : Not available.
Vapor density : Not available.
Relative density : 1.026 (Water = 1)

Solubility : Easily soluble in the following materials: cold

water and hot water.

Partition coefficient: : Not available.

n-octanol/water

Auto-ignition : Not available.

temperature

Decomposition: Not available.

temperature

Odor threshold : Not available.

Viscosity : Kinematic (room temperature): 0 cm²/s (0 cSt)

Section 10. Stability and reactivity

Product AS SOLD

Stability: The product is stable.

Possibility of hazardous

reactions

: Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid : No specific data.

Materials to avoid : Not available.

Hazardous decomposition

products

: Under normal conditions of storage and use, hazardous decomposition products

should not be produced.

Section 11. Toxicological information

Route of exposure : Skin contact, Eye contact, Inhalation, Ingestion

Product AS SOLD

Symptoms

Eye contact: Adverse symptoms may include the following:

pain watering redness

Skin contact: Adverse symptoms may include the following:

irritation redness

Product AT USE DILUTION

Product AT USE DILUTION

Liquid.

pink [Light]

Odorless

> 100°C

No specific data.

No specific data.

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Section 11. Toxicological information

Inhalation : No specific data.Ingestion : No specific data.

Acute toxicity

Eye contact : Causes serious eye damage.

No known significant effects or critical

hazards.

No specific data. No specific data.

Skin contact : Causes skin irritation. No known significant effects or critical

hazards.

Inhalation : No known significant effects or critical hazards. No known

No known significant effects or critical

hazards.

ingestion : No known significant effects or critical hazards. No known significant effects or critical

hazards.

Toxicity data

Product/ingredient name

sulfonic acids, petroleum, sodium salts LC50 Inhalation Rat >1.9 mg/l

Dusts and mists

 LD50 Dermal
 Rabbit
 >5000 mg/kg

 LD50 Oral
 Rat
 >5000 mg/kg

 LD50 Oral
 Rat
 1000 mg/kg

poly(oxy-1,2-ethanediyl), .alpha.-isotridecyl-.

omega.-hydroxy-

amines, coco alkyldimethyl, n-oxides LD50 Dermal Rat >2174 mg/kg LD50 Oral Rat 846 mg/kg

Chronic toxicity

Carcinogenicity : No known significant effects or critical hazards.
 Mutagenicity : No known significant effects or critical hazards.
 Teratogenicity : No known significant effects or critical hazards.
 Developmental effects : No known significant effects or critical hazards.
 Fertility effects : No known significant effects or critical hazards.

Section 12. Ecological information

Product AS SOLD

Ecotoxicity : This material is harmful to aquatic life.

Aquatic and terrestrial toxicity

Product/ingredient name	Result	Species	Exposure	
sulfonic acids, petroleum, sodium salts	Acute LC50 >100 mg/l	Fish	96 hours	
poly(oxy-1,2-ethanediyl), .alphaisotridecyl omegahydroxy-	Acute LC50 0.25 mg/l	Fish	96 hours	
amines, coco alkyldimethyl, n-oxides	Acute LC50 <1 mg/l	Fish	96 hours	
Other educate offects . No known significant offects or orbital boroads				

Other adverse effects: No known significant effects or critical hazards.

Section 13. Disposal considerations

Product AS SOLD

Disposal methods

 Avoid disposal. Attempt to use product completely in accordance with intended use.
 Disposal should be in accordance with applicable regional, national and local laws and regulations.

Product AT USE DILUTION

Diluted product can be flushed to sanitary sewer. Discard empty container in trash.

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Section 14. Transport information

Certain shipping modes or package sizes may have exceptions from the transport regulations. The classification provided may not reflect those exceptions and may not apply to all shipping modes or package sizes.

DOT

DOT Classification Not regulated.

IMO/IMDG

IMO/IMDG Classification Not regulated.

For transport in bulk, see shipping documents for specific transportation information.

Product AT USE DILUTION

Not intended for transport.

Section 15. Regulatory information

Product AS SOLD

U.S. Federal regulations

TSCA 8(b) inventory : All components are listed or exempted.

SARA 302/304/311/312 extremely hazardous substances: No listed substance SARA 302/304 emergency planning and notification: No listed substance

SARA 313 Product name CAS number Concentration

Form R - Reporting

requirements

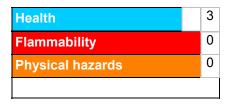
: No listed substance

California Prop. 65 : No listed substance

Section 16. Other information

Product AS SOLD

Hazardous Material Information System (U.S.A.)

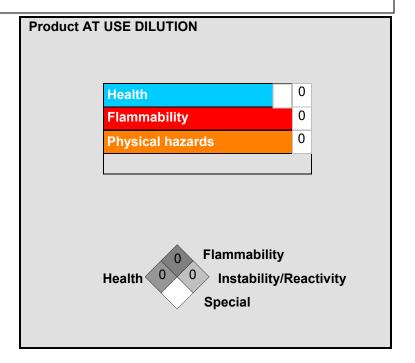


National Fire Protection Association (U.S.A.)



Date of issue : 24 Jan 2014
Prepared by : Regulatory Affairs
1-800-352-5326

Notice to reader



Section 16. Other information

The above information is believed to be correct with respect to the formula used to manufacture the product in the country of origin. As data, standards, and regulations change, and conditions of use and handling are beyond our control, NO WARRANTY, EXPRESS OR IMPLIED, IS MADE AS TO THE COMPLETENESS OR CONTINUING ACCURACY OF THIS INFORMATION.

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