

Section 1. Chemical product and company identification

Trade name : SUDS MAX
 Product use : Manual Warewashing Detergent
 Supplier : Ecolab Inc. Institutional Division
 370 N. Wabasha Street
 St. Paul, MN 55102
 1-800-352-5326
 Code : 916585

Date of issue : 21-February-2008

EMERGENCY HEALTH INFORMATION: 1-800-328-0026
 Outside United States and Canada CALL 1-651-222-5352 (in USA)

Section 2. Composition, information on ingredients

Name	CAS number	% by weight
2,2'-iminodiethanol	111-42-2	2
poly(oxy-1,2-ethanediyl), alpha -sulfo- omega -hydroxy-, c10-16-alkyl ethers, sodium salts	68585-34-2	20 - 50
amides, coco, n n-bis(hydroxyethyl) ethanol	68603-42-9	5 - 20
alcohols, c12-15, ethoxylated	64-17-5	5 - 20
	68131-39-5	1 - 5

Section 3. Hazards identification

Physical state : Liquid
 Emergency overview : WARNING 1
 CAUSES EYE AND SKIN IRRITATION.
 MAY CAUSE RESPIRATORY TRACT IRRITATION.
 Avoid contact with eyes, skin and clothing. Avoid breathing vapors, spray or mists. Use only with adequate ventilation. Keep container closed. Wash thoroughly after handling.

Potential acute health effects

Eyes : Irritating to eyes
 Skin : Irritating to skin
 Inhalation : Moderately irritating to the respiratory system.
 Ingestion : No known significant effects or critical hazards
 See toxicological information (section 11)

Section 4. First aid measures

Eye contact : In case of contact, immediately flush eyes with cool running water. Remove contact lenses and continue flushing with plenty of water for at least 15 minutes. Get medical attention if irritation persists.
 Skin contact : In case of contact, immediately flush skin with plenty of water. Continue to rinse for at least 10 minutes. Remove contaminated clothing and shoes. Get medical attention if irritation persists. Wash clothing before reuse. Clean shoes thoroughly before reuse.
 Inhalation : If inhaled, remove to fresh air.
 Ingestion : Do not induce vomiting. Never give anything by mouth to an unconscious person. If irritation persists, get medical attention.

Hazardous thermal decomposition products : Carbon oxides, nitrogen oxides, halogenated compounds, metal oxide/oxides

Section 5. Fire fighting measures

Flash point : > 100°C
 Product does not support combustion
 Decomposition products may include the following materials
 Fire-fighting media and instructions : Use an extinguishing agent suitable for the surrounding fire.

Dike area of fire to prevent runoff

In a fire or if heated, a pressure increase will occur and the container may burst.
 Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Special protective equipment for fire-fighters

Section 6. Accidental release measures

Personal precautions : Use suitable protective equipment (section 8). Do not allow to enter drains or watercourses
 Environmental precautions : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
 Methods for cleaning up : For small spills, add absorbent (soil may be used in the absence of other suitable materials), scoop up material and place in a sealable, liquid-proof container for disposal. For large spills, dike spilled material or otherwise contain it to ensure runoff does not reach a waterway. Place spilled material in an appropriate container for disposal

Section 7. Handling and storage

Handling : Avoid contact with eyes, skin and clothing. Keep container closed. Use only with adequate ventilation. Avoid breathing vapor or mist. Wash thoroughly after handling.
 Storage : Keep out of reach of children. Keep container in a cool, well-ventilated area. Keep container tightly closed.
 Do not store below the following temperature: 0°C

Section 8. Exposure controls, personal protection

Engineering measures : 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

Personal protection:

Eyes : Wear eye protection
 Hands : For prolonged or repeated handling, use the following type of gloves: Impervious gloves.
 Skin : No protective equipment is needed under normal use conditions.
 Respiratory : Avoid breathing vapors, spray or mists.

Exposure limits

ACGIH TLV (United States, 1/2007).
 TWA: 1880 mg/m³ 8 hour(s).
 TWA: 1000 ppm 8 hour(s).
 OSHA PEL (United States, 11/2006).
 TWA: 1900 mg/m³ 8 hour(s).
 TWA: 1000 ppm 8 hour(s).
 ACGIH TLV (United States, 1/2007). Skin
 TWA: 2 mg/m³ 8 hour(s)
 TWA: 0.46 ppm 8 hour(s)

2,2'-iminodiethanol

Section 9. Physical and chemical properties

Physical state : Liquid.
 Color : pink [Light]
 Odor : citrus
 pH : 8.5 [Conc. (% w/w): 100%]
 Specific gravity : 1.035
 Dispersibility : Easily dispersed in cold water, hot water.
 Solubility : Easily soluble in cold water, hot water.

Section 10. Stability and reactivity

Stability : The product is stable. Under normal conditions of storage and use, hazardous polymerization will not occur.
 Hazardous decomposition : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Potential acute health effects
 Eyes : Irritating to eyes
 Skin : Irritating to skin.
 Inhalation : Moderately irritating to the respiratory system.
 Ingestion : No known significant effects or critical hazards

Potential chronic health effects

Target organs : Contains material which may cause damage to the following organs: upper respiratory tract, central nervous system (CNS).

Carcinogenic effects
 Ingredient name : IARC NTP OSHA
 ethanol - - -
 2,2'-iminodiethanol 3 - -

Section 12. Ecological information

Section 13. Disposal considerations

Waste disposal : The generation of waste should be avoided or minimized wherever possible. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.
 Consult your local or regional authorities.

Section 14. Transport information

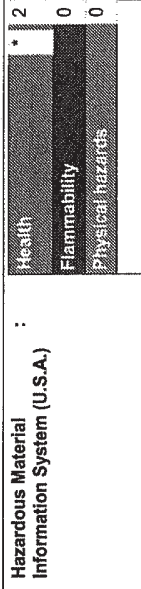
Regulatory information	UN number	Proper shipping name	Class	Packing group	Additional information
DOT classification	Not regulated		1		Not available.

APPLIES ONLY DURING ROAD TRANSPORT
 Any variation of the shipping description based on the packaging is not addressed.

Section 15. Regulatory information

HCS Classification : Irritating material
 Target organ effects :
 U.S. Federal regulations : United States Inventory (TSCA 8b): All components are listed or exempted. SARA 302/304/311/312 extremely hazardous substances. No products were found.
 SARA 302/304 emergency planning and notification: No products were found
 Product name : Concentration
 Form R - Reporting requirements : 2,2'-Iminodiethanol 2.28
 California Prop. 65 : No products were found.

Section 16. Other information



Date of issue : 21-February-2008.
 Responsible name : Regulatory Affairs
 Date of previous issue : 23-February-2005.

Notice to reader

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.