

# Material Safety Data Sheet



SUDS MAX

## 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** : 23-February-2005

**EMERGENCY HEALTH INFORMATION: 1-800-328-0026**  
**Outside United States and Canada CALL 1-651-222-5352**

## Section 2. Composition, Information on Ingredients

<u>Name</u>	<u>CAS number</u>	<u>% by weight</u>
2,2'-Iminodiethanol	111-42-2	1
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)	68603-42-9	5 - 20
Ethanol	64-17-5	5 - 20

## Section 3. Hazards identification

**Physical state** : Liquid.  
**Emergency overview** : Warning!

CAUSES EYE AND SKIN IRRITATION.  
MAY CAUSE RESPIRATORY TRACT IRRITATION.  
Avoid contact with skin and clothing. Avoid breathing vapor or mist. Keep container closed. Use only with adequate ventilation. 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** : Wash with soap and water. Get medical attention if irritation occurs. Wash clothing before reuse.

**Inhalation** : If inhaled, remove to fresh air.

**Ingestion** : Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately.

## Section 5. Fire fighting measures

- Flash point** : > 100°C  
Product does not support combustion.
- Products of combustion** : These products are halogenated compounds, hydrogen chloride.
- Fire fighting media and instructions** : Use an extinguishing agent suitable for surrounding fires.
- Dike area of fire to prevent product run-off.  
No specific hazard.
- Special protective equipment for fire-fighters** : Fire fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full facepiece operated in positive pressure mode.

## Section 6. Accidental release measures

- Personal precautions** : Ventilate area of leak or spill. Do not touch damaged containers or spilled material unless wearing appropriate protective equipment (Section 8). Stop leak if without risk. Prevent entry into sewers, water courses, basements or confined areas.
- Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
- Methods for cleaning up** : If emergency personnel are unavailable, contain spilled material. For small spills add absorbent (soil may be used in the absence of other suitable materials) scoop up material and place in a sealed, liquid-proof container for disposal. For large spills dike spilled material or otherwise contain material 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 the reach of children. Keep container tightly closed. Keep container in a cool, well-ventilated area.  
Do not store below 0°C

## Section 8. Exposure Controls, Personal Protection

- Engineering controls** : Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits.

### Personal protection

- Eyes** : Use safety eyewear designed to protect against splash of liquids.
- Hands** : For prolonged or repeated handling, use Impervious gloves.
- Skin** : No protective equipment is needed under normal use conditions.
- Respiratory** : Avoid breathing vapor or mist.

### Name

Ethanol

### Exposure limits

**ACGIH TLV (United States, 5/2004). Notes: 1996 Adoption Refers to Appendix A -- Carcinogens.**

TWA: 1880 mg/m<sup>3</sup> 8 hour(s). Form: All forms

TWA: 1000 ppm 8 hour(s). Form: All forms

**OSHA PEL (United States, 6/1993).**

TWA: 1900 mg/m<sup>3</sup> 8 hour(s). Form: All forms

TWA: 1000 ppm 8 hour(s). Form: All forms

2,2'-Iminodiethanol

**ACGIH TLV (United States, 9/2004). Skin Notes: 1994-1995 Adoption**

TWA: 2 mg/m<sup>3</sup> 8 hour(s). Form: All forms  
 TWA: 0.46 ppm 8 hour(s). Form: All forms  
**NIOSH REL (United States, 6/2001).**  
 TWA: 15 mg/m<sup>3</sup> 10 hour(s). Form: All forms  
 TWA: 3 ppm 10 hour(s). Form: All forms

## Section 9. Physical and chemical properties

**Physical state** : Liquid.  
**Color** : pink (Light.)  
**Odor** : citrus  
**pH** : 8.5 (100%)  
**Specific gravity** : 1.035 (Water = 1)  
**Dispersion properties** : 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.  
**Hazardous decomposition products** : These products are halogenated compounds, hydrogen chloride.

## 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.  
**Chronic effects on humans** : Contains material which causes damage to the following organs: blood, the reproductive system, liver, upper respiratory tract, skin, central nervous system (CNS), eye, lens or cornea, stomach.

## Section 12. Ecological information

**Products of degradation** : These products are carbon oxides (CO, CO<sub>2</sub>) and water, nitrogen oxides (NO, NO<sub>2</sub>...), halogenated compounds. Some metallic oxides.

## 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.	-	-	-	-

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** : SARA 302/304/311/312 extremely hazardous substances: None.  
SARA 302/304 emergency planning and notification: None.

**TSCA 8(b) inventory** : All materials are listed or exempt.

**SARA 313**

	<u>Product name</u>	<u>Concentration</u>
<b>Form R - Reporting requirements</b>	: 2,2'-Iminodiethanol	1.44

**California prop. 65** : No products were found.

## Section 16. Other information

<b>Hazardous Material Information System (U.S.A.)</b>	<b>Health</b>	*	2
	<b>Fire hazard</b>		0
	<b>Reactivity</b>		0
	<b>Personal protection</b>		B

**Date of issue** : 23-February-2005.

**Responsible name** : Regulatory Affairs

**Date of previous issue** : No Previous Validation.

### 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.