

Issue Date 01-Jan-2011

Revision Date: 24-Oct-2013

Version 1

## 1. IDENTIFICATION

**Product Identifier**

**Product Name** Microlube

**Other means of identification**

**SDS #** CPCI-010  
**UN/ID No** UN1760

**Recommended use of the chemical and restrictions on use**

**Recommended Use** Lubricant.

**Details of the supplier of the safety data sheet**

**Supplier Address**

Cal Pac Chemicals, Inc  
 6231 Maywood Ave  
 Huntington Park, CA 90255

**Emergency Telephone Number**

**Company Phone Number** (323) 585-2178  
**Emergency Telephone (24 hr)** Chemtrec 1-800-424-9300 (North America) 1-703-527-3887 (International)

## 2. HAZARDS IDENTIFICATION

**Appearance** Clear amber liquid

**Physical State** Liquid

**Odor** Mild detergent

**Classification**

Skin corrosion/irritation	Category 1 Sub-category B
Serious eye damage/eye irritation	Category 1
Specific target organ toxicity (repeated exposure)	Category 1

**Signal Word**

**Danger**

**Hazard Statements**

Causes severe skin burns and eye damage  
 Causes damage to organs through prolonged or repeated exposure



**Precautionary Statements - Prevention**

Do not breathe dust/fume/gas/mist/vapors/spray  
 Wash face, hands and any exposed skin thoroughly after handling  
 Wear protective gloves/protective clothing/eye protection/face protection  
 Do not eat, drink or smoke when using this product

**Precautionary Statements - 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 or doctor/physician

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

Wash contaminated clothing before reuse

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

Immediately call a POISON CENTER or doctor/physician

IF SWALLOWED: rinse mouth. Do NOT induce vomiting

**Precautionary Statements - Storage**

Store locked up

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Other Hazards**

Toxic to aquatic life

**Unknown Acute Toxicity**

4.9% of the mixture consists of ingredient(s) of unknown toxicity

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
(Z)-N-9-octadecenylpropane-1, 3-diamine	7173-62-8	5-10
Ethoxylated Coconut Amine	61791-14-8	<5

### 4. FIRST-AID MEASURES

**First Aid Measures****Eye Contact**

Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Seek immediate medical attention/advice.

**Skin Contact**

Wash off immediately with plenty of water. Take off contaminated clothing. Wash contaminated clothing before reuse. Get medical attention immediately.

**Inhalation**

Remove to fresh air. Get medical attention immediately.

**Ingestion**

Do not induce vomiting. Drink plenty of water or milk immediately. Never give anything by mouth to an unconscious person. Get medical attention immediately.

**Most important symptoms and effects**

<b>Symptoms</b>	May cause eye burns and permanent eye damage. Prolonged contact may even cause severe skin irritation or mild burn. Inhalation of fumes or acid mist can cause irritation or corrosive burns to the upper respiratory system, including nose, mouth and throat.
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**Indication of any immediate medical attention and special treatment needed**

<b>Notes to Physician</b>	Treat symptomatically.
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**5. FIRE-FIGHTING MEASURES****Suitable Extinguishing Media**

Water. Carbon dioxide (CO<sub>2</sub>). Dry chemical. Foam.

**Unsuitable Extinguishing Media** Not determined.

**Specific Hazards Arising from the Chemical**

None known.

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Cool containers exposed to fire with water. Water or foam may cause frothing which can be violent, especially if sprayed into containers of burning hot liquid.

**6. ACCIDENTAL RELEASE MEASURES****Personal precautions, protective equipment and emergency procedures**

<b>Personal Precautions</b>	Use personal protective equipment as required.
<b>Environmental Precautions</b>	Prevent runoff to sewers, streams, and other bodies of water.

**Methods and material for containment and cleaning up**

<b>Methods for Containment</b>	Dike and contain spill.
<b>Methods for Clean-Up</b>	Pump liquid to salvage tank or soak up with absorbent material. Place in appropriate containers for disposal.

**7. HANDLING AND STORAGE****Precautions for safe handling**

<b>Advice on Safe Handling</b>	Wash thoroughly after handling. Use personal protection recommended in Section 8. Do not breathe dust/fume/gas/mist/vapors/spray. Do not eat, drink or smoke when using this product. Do not reuse this container. Thoroughly rinse all measuring devices.
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**Conditions for safe storage, including any incompatibilities**

<b>Storage Conditions</b>	Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Protect from freezing. Store away from incompatible materials. Keep out of the reach of children.
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**Incompatible Materials** Strong oxidizing agents. Strong mineral acids.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure Guidelines** No exposure limits noted for ingredient(s)

### Appropriate engineering controls

**Engineering Controls** Ensure adequate ventilation, especially in confined areas.

### Individual protection measures, such as personal protective equipment

**Eye/Face Protection** Wear safety glasses with side shields (or goggles).

**Skin and Body Protection** Wear rubber or chemical resistant gloves to prevent skin contact. Long sleeve shirt and long pants.

**Respiratory Protection** Ensure adequate ventilation, especially in confined areas.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

<b>Physical State</b>	Liquid	<b>Odor</b>	Mild detergent
<b>Appearance</b>	Clear amber liquid	<b>Odor Threshold</b>	Not determined
<b>Color</b>	Amber		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>pH</b>	>13	
<b>Melting Point/Freezing Point</b>	Not available	
<b>Boiling Point/Boiling Range</b>	Not available	
<b>Flash Point</b>	Not available	
<b>Evaporation Rate</b>	Not determined	
<b>Flammability (Solid, Gas)</b>	n/a-liquid	
<b>Upper Flammability Limits</b>	Not available	
<b>Lower Flammability Limit</b>	Not available	
<b>Vapour Pressure</b>	Not determined	
<b>Vapor Density</b>	Not determined	
<b>Specific Gravity</b>	1.06	(1=Water)
<b>Water Solubility</b>	Completely soluble	
<b>Solubility in other solvents</b>	Not determined	
<b>Partition Coefficient</b>	Not determined	
<b>Auto-ignition Temperature</b>	Not available	
<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>Decomposition Temperature</b>	Not determined	
<b>Kinematic Viscosity</b>	Not determined	
<b>Dynamic Viscosity</b>	Not determined	
<b>Explosive Properties</b>	Not determined	
<b>Oxidizing Properties</b>	Not determined	
<b>Bulk Density</b>	8.8 lbs/gal	

## 10. STABILITY AND REACTIVITY

### Reactivity

Not reactive under normal conditions.

**Chemical Stability**

Stable under recommended storage conditions.

**Possibility of Hazardous Reactions**

None under normal processing.

**Hazardous Polymerization**

Hazardous polymerization does not occur.

**Conditions to Avoid**

Keep out of reach of children.

**Incompatible Materials**

Strong oxidizing agents. Strong mineral acids.

**Hazardous Decomposition Products**

Amines. Nitrogen compounds. Carbon oxides.

## 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure****Product Information****Eye Contact**

Causes severe eye damage.

**Skin Contact**

Causes severe skin burns.

**Inhalation**

Avoid breathing vapors or mists.

**Ingestion**

Do not taste or swallow.

**Information on physical, chemical and toxicological effects****Symptoms**

Please see section 4 of this SDS for symptoms.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure****Carcinogenicity**

This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

**STOT - repeated exposure**

Causes damage to organs through prolonged or repeated exposure.

**Numerical measures of toxicity**

Not determined

**Unknown Acute Toxicity**

4.9% of the mixture consists of ingredient(s) of unknown toxicity.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

Toxic to aquatic life.

**Persistence/Degradability**

Not determined.

**Bioaccumulation**

Not determined.

**Mobility**

Not determined

**Other Adverse Effects**

Not determined

**13. DISPOSAL CONSIDERATIONS****Waste Treatment Methods**

<b>Disposal of Wastes</b>	Disposal should be in accordance with applicable regional, national and local laws and regulations.
<b>Contaminated Packaging</b>	Disposal should be in accordance with applicable regional, national and local laws and regulations.

**14. TRANSPORT INFORMATION****Note**

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

**DOT**

<b>UN/ID No</b>	UN1760
<b>Proper Shipping Name</b>	Corrosive liquid, n.o.s. ((Z)-N-9-Octadecenylpropane-1, 3-diamine)
<b>Hazard Class</b>	8
<b>Packing Group</b>	II

**IATA**

<b>UN/ID No</b>	UN1760
<b>Proper Shipping Name</b>	Corrosive liquid, n.o.s. ((Z)-N-9-Octadecenylpropane-1, 3-diamine)
<b>Hazard Class</b>	8
<b>Packing Group</b>	II

**IMDG**

<b>UN/ID No</b>	UN1760
<b>Proper Shipping Name</b>	Corrosive liquid, n.o.s. ((Z)-N-9-Octadecenylpropane-1, 3-diamine)
<b>Hazard Class</b>	8
<b>Packing Group</b>	II
<b>Marine Pollutant</b>	This material may meet the definition of a marine pollutant

**15. REGULATORY INFORMATION****International Inventories**

Not determined

**US Federal Regulations****SARA 313**

Not determined

**US State Regulations**

**U.S. State Right-to-Know Regulations**

Not determined

**16. OTHER INFORMATION**

<b><u>NFPA</u></b>	<b>Health Hazards</b>	<b>Flammability</b>	<b>Instability</b>	<b>Special Hazards</b>
	2	1	0	COR
<b><u>HMIS</u></b>	<b>Health Hazards</b>	<b>Flammability</b>	<b>Physical Hazards</b>	<b>Personal Protection</b>
	Not determined	Not determined	Not determined	Not determined

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Revision Note New format

**Disclaimer**

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.

**End of Safety Data Sheet**