

# Metalube-HP

# SAFETY DATA SHEET

Preparation Date: 15-Jun-2007

Revision Date: 28-May-2015

Revision Number: 2

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

### Product Identifier

Product Name Metalube-HP

### Other means of identification

Item#: 4368  
Synonyms None

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

Recommended use Concentrated chain lubricant, Restricted to professional users  
Uses advised against No information available

### Details of the supplier of the safety data sheet

Supplier DeLaval Cleaning Solutions  
11100 N. Congress Ave.  
Kansas City, MO 64153  
  
Tel: 816-891-7700, 8am – 5pm M-F

### Emergency Telephone Number

Chemtrec 1-800-424-9300

## 2. HAZARDS IDENTIFICATION

### Classification

### OSHA Regulatory Status

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Skin Corrosion/Irritation	Category 2
Serious eye damage/eye irritation	Category 1
Respiratory Sensitization	Category 1
Carcinogenicity	Category 2
Specific target organ toxicity (repeated exposure)	Category 2

### Label Elements

### Emergency Overview

**DANGER**

### Hazard Statements

Causes skin irritation  
Causes serious eye damage  
May cause allergy or asthma symptoms or breathing difficulties if inhaled  
Suspected of causing cancer  
May cause damage to organs through prolonged or repeated exposure

**Appearance** Light brown**Physical state** Liquid**Odor** No information available**Precautionary Statements - Prevention**

Obtain special instructions before use  
 Do not handle until all safety precautions have been read and understood  
 Use personal protective equipment as required  
 Wash face, hands and any exposed skin thoroughly after handling  
 In case of inadequate ventilation wear respiratory protection  
 Do not breathe dust/fume/gas/mist/vapors/spray

**Precautionary Statements - Response**

IF exposed or concerned: Get medical advice/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 doctor/physician  
 IF ON SKIN: Wash with plenty of soap and water  
 If skin irritation occurs: Get medical advice/attention  
 Take off contaminated clothing and wash before reuse  
 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing  
 If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician

**Precautionary Statements - Storage**

Store locked up

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)****Other Information**

- Harmful to aquatic life with long lasting effects
- Unknown Acute Toxicity 8.6% of the mixture consists of ingredient(s) of unknown toxicity

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %	Trade Secret
Glutaraldehyde	111-30-8	0 - 10%	*
Coconut diethanolamide	68603-42-9	0 - 10%	*
Diethanolamine	111-42-2	0 - 10%	*
Tetrasodium EDTA	64-02-8	0 - 10%	*
Triethanolamine	102-71-6	0 - 10%	*

\* The exact percentage (concentration) of composition has been withheld as a trade secret.

### 4. FIRST AID MEASURES

**FIRST AID MEASURES****Eye contact**

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists, get medical advice/attention.

**Skin contact**

Wash off immediately with plenty of water. If skin irritation persists, call a physician.

<b>Inhalation</b>	Move to fresh air.
<b>Ingestion</b>	Do not induce vomiting. Drink 1 or 2 glasses of water. Call a physician or Poison Control Centre immediately. Never give anything by mouth to an unconscious person.

**Most important symptoms and effects, both acute and delayed**

<b>Most Important Symptoms and Effects</b>	According to our experience and to the information provided to us, the product does not have any harmful effects if it is used and handled as specified.
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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**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment

**Unsuitable Extinguishing Media**

No information available.

**Specific hazards arising from the chemical**

No information available.

**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.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

Avoid contact with the skin and the eyes.

**Environmental Precautions**

Prevent further leakage or spillage if safe to do so.

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

Soak up with inert absorbent material.

## 7. HANDLING AND STORAGE

**Precautions for Safe Handling**

<b>Handling</b>	Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin and eyes.
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**Conditions for safe storage, including any incompatibilities**

<b>Storage</b>	Keep containers tightly closed in a dry, cool and well-ventilated place.
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<b>Incompatible Materials</b>	strong oxidizing agents, strong acids, strong bases
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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control parameters**

Keep out of the reach of children

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Glutaraldehyde 111-30-8	Ceiling: 0.05 ppm	Ceiling: 0.2 ppm Ceiling: 0.8 mg/m <sup>3</sup>	

Diethanolamine 111-42-2	TWA: 1 mg/m <sup>3</sup> Skin	TWA: 3 ppm TWA: 15 mg/m <sup>3</sup>	
Triethanolamine 102-71-6	TWA: 5 mg/m <sup>3</sup>		

**Appropriate engineering controls**

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

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

- Eye/face Protection** Safety glasses with side-shields.
- Skin and body protection** Wear protective gloves and protective clothing.
- Respiratory Protection** If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

**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>	No information available
<b>Appearance</b>	Light brown	<b>Odor Threshold</b>	No information available
<b>Color</b>	No information available		

<u>Property</u>	<u>Values</u>	<u>Remarks/ Method</u>
<b>pH</b>	11	
<b>Melting point/freezing point</b>	No information available	
<b>Boiling Point/Range</b>	No information available	
<b>Flash Point</b>	No information available	
<b>Evaporation rate</b>	No information available	
<b>Flammability (solid, gas)</b>	No information available	
<b>Flammability Limit in Air</b>		
<b>Upper flammability limit</b>	No information available	
<b>Lower flammability limit</b>	No information available	
<b>Vapor Pressure</b>	No information available	
<b>Vapor Density</b>	No information available	
<b>Specific Gravity</b>	1.07	
<b>Water Solubility</b>	soluble	
<b>Solubility in other solvents</b>	No information available	
<b>Partition coefficient: n-octanol/water</b>	No information available	
<b>Autoignition Temperature</b>	No information available	
<b>Decomposition temperature</b>	No information available	
<b>Viscosity of Product</b>	No information available	
<b>Dynamic viscosity</b>	No information available	
<b>Explosive Properties</b>	No information available	
<b>Oxidizing Properties</b>	No information available	

**Other information**

<b>Softening Point</b>	No information available
<b>Molecular Weight</b>	No information available
<b>VOC Content</b>	No information available
<b>Density</b>	No information available
<b>Bulk Density</b>	No information available

**10. STABILITY AND REACTIVITY**

**Reactivity**

No data available

**Chemical Stability**

Stable under normal conditions.

**Possibility of hazardous reactions**

None known.

**Conditions to Avoid**

Extremes of temperature and direct sunlight.

**Incompatible Materials**

strong oxidizing agents, strong acids, strong bases

**Hazardous decomposition products**

None known.

**11. TOXICOLOGICAL INFORMATION****Information on likely routes of exposure**

<b>Inhalation</b>	No data available.
<b>Eye contact</b>	No data available.
<b>Skin contact</b>	No data available.
<b>Ingestion</b>	No data available.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Glutaraldehyde 111-30-8	= 252 mg/kg ( Rat )	= 560 µL/kg ( Rabbit )	= 0.1 mg/L ( Rat ) 4 h
Coconut diethanolamide 68603-42-9	= 12400 µL/kg ( Rat )	-	-
Diethanolamine 111-42-2	= 0.62 mL/kg ( Rat ) = 620 µL/kg ( Rat )	= 7640 µL/kg ( Rabbit )	-
Tetrasodium EDTA 64-02-8	= 1658 mg/kg ( Rat ) = 10 g/kg ( Rat )	-	-
Triethanolamine 102-71-6	= 4190 mg/kg ( Rat )	> 20 mL/kg ( Rabbit ) > 16 mL/kg ( Rat )	-

**Information on toxicological effects****Symptoms** No information available.**Delayed and immediate effects as well as chronic effects from short and long-term exposure****Sensitization** No information available.**Mutagenic effects** No information available.**Carcinogenicity** The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
Coconut diethanolamide 68603-42-9	-	Group 2B	-	X
Diethanolamine 111-42-2	A3	Group 2B	-	X
Triethanolamine 102-71-6	-	Group 3	-	-

**Reproductive Effects** No information available.  
**STOT - single exposure** No information available.  
**STOT-repeated exposure** No information available.  
**Aspiration Hazard** No information available.

**Numerical measures of toxicity - Product Information**

**Unknown Acute Toxicity** 8.6% of the mixture consists of ingredient(s) of unknown toxicity  
**The following values are calculated based on chapter 3.1 of the GHS document .**

**12. ECOLOGICAL INFORMATION****Ecotoxicity**

8.6% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Chemical Name	Algae/aquatic plants	Fish	Microtox	Waterflea
Glutaraldehyde 111-30-8	0.61: 72 h <i>Desmodesmus subspicatus</i> mg/L EC50 0.84: 96 h <i>Desmodesmus subspicatus</i> mg/L EC50	7.8 - 22: 96 h <i>Lepomis macrochirus</i> mg/L LC50 static 2.6 - 4.8: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 flow-through 7.8 - 13: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 static 5.4: 96 h <i>Pimephales promelas</i> mg/L LC50 static	EC50 = 13.3 mg/L 17 h EC50 = 76.0 mg/L 5 min	14: 48 h <i>Daphnia magna</i> mg/L EC50 0.56 - 1.0: 48 h <i>Daphnia magna</i> mg/L EC50 Static
Coconut diethanolamide 68603-42-9	-	3.6: 96 h <i>Brachydanio rerio</i> mg/L LC50 semi-static	-	4.2: 24 h <i>Daphnia magna</i> mg/L EC50
Diethanolamine 111-42-2	7.8: 72 h <i>Desmodesmus subspicatus</i> mg/L EC50 2.1 - 2.3: 96 h <i>Pseudokirchneriella subcapitata</i> mg/L EC50	4460 - 4980: 96 h <i>Pimephales promelas</i> mg/L LC50 flow-through 1200 - 1580: 96 h <i>Pimephales promelas</i> mg/L LC50 static 600 - 1000: 96 h <i>Lepomis macrochirus</i> mg/L LC50 static	EC50 = 73 mg/L 5 min EC50 > 16 mg/L 16 h EC50 > 16 mg/L 16 h	55: 48 h <i>Daphnia magna</i> mg/L EC50
Tetrasodium EDTA 64-02-8	1.01: 72 h <i>Desmodesmus subspicatus</i> mg/L EC50	41: 96 h <i>Lepomis macrochirus</i> mg/L LC50 static 59.8: 96 h <i>Pimephales promelas</i> mg/L LC50 static	-	610: 24 h <i>Daphnia magna</i> mg/L EC50
Triethanolamine 102-71-6	216: 72 h <i>Desmodesmus subspicatus</i> mg/L EC50 169: 96 h <i>Desmodesmus subspicatus</i> mg/L EC50	10600 - 13000: 96 h <i>Pimephales promelas</i> mg/L LC50 flow-through 1000: 96 h <i>Pimephales promelas</i> mg/L LC50 static 450 - 1000: 96 h <i>Lepomis macrochirus</i> mg/L LC50 static	EC50 > 10000 mg/L 30 min	1386: 24 h <i>Daphnia magna</i> mg/L EC50

**Persistence and degradability**

No information available.

**Bioaccumulation/Accumulation**

No information available.

Chemical Name	Partition coefficient
Glutaraldehyde 111-30-8	0.22
Diethanolamine 111-42-2	-2.18
Triethanolamine 102-71-6	-2.53

**Other adverse effects**

No information available

**13. DISPOSAL CONSIDERATIONS****Waste treatment methods****Waste Disposal Method**

Dispose of in accordance with local regulations. Should not be released into the environment.

**Contaminated Packaging**

Empty containers should be taken for local recycling, recovery or waste disposal.

## 14. TRANSPORT INFORMATION

DOT Not regulated

## 15. REGULATORY INFORMATION

### International Inventories

<b>TSCA</b>	TSCA
<b>DSL/NDSL</b>	DSL/NDSL
<b>EINECS/ELINCS</b>	Does not Comply
<b>ENCS</b>	Does not Comply
<b>CHINA</b>	Complies
<b>KECL</b>	Does not Comply
<b>PICCS</b>	Complies
<b>AICS</b>	Complies

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List  
**ENCS** - Japan Existing and New Chemical Substances  
**IECSC** - China Inventory of Existing Chemical Substances  
**KECL** - Korean Existing and Evaluated Chemical Substances  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**AICS** - Australian Inventory of Chemical Substances

Chemical Name	RQ	CERCLA EHS RQs	RQ
Diethanolamine 111-42-2	100	-	RQ 100 lb final RQ RQ 45.4 kg final RQ

### State Regulations

#### California Proposition 65

This product contains the following Proposition 65 chemicals:

Chemical Name	California Prop. 65
Coconut diethanolamide - 68603-42-9	Carcinogen
Diethanolamine - 111-42-2	Carcinogen

### U.S. EPA Label information

**EPA Pesticide registration number** Not applicable

## 16. OTHER INFORMATION

**NFPA** Health 1 Flammability 0 Instability 0 Physical Hazard -

**Preparation Date:** 15-Jun-2007

**Revision Date:** 28-May-2015

#### **Revision Note**

No information available

#### **Disclaimer**

The information provided on this SDS 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.

**End of SDS**