

1. IDENTIFICATION:

PRODUCT NAME: ECOALUBE 643 (40%)  
PRODUCT CODE: PEC643-40  
PRODUCT USE.: Low Friction Coating

HMIS CODES H F R P  
2\*3 0 G

Manufacturer:

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EVERLUBE PRODUCTS  
100 COOPER CIRCLE  
PEACHTREE CITY, GA 30269

EMERGENCY PHONE (24 hours): CHEMTREC - 800-424-9300  
INFORMATION PHONE (8:00 a.m - 5:00 p.m EST): (770) 261-4800  
NAME OF PREPARER: CHEMICAL COMMUNICATIONS COORDINATOR  
DATE PREPARED: 7/25/2019

2. HAZARDS IDENTIFICATION

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CLASSIFICATION:

Highly Flammable Liquid and Vapors - Category 2  
Acute Toxicity, Inhalation - Category 4  
Acute Toxicity, Oral - Category 4  
Aspiration Hazard - Category 1  
Carcinogenicity - Category 2  
Serious Eye Irritation - Category 2  
Reproductive Toxicity - Category 2  
Skin Corrosion/Irritation - Category 2  
Respiratory/Skin Sensitization - Category 1  
Specific target organ toxicity, repeated exposure - Category 2  
Specific target organ toxicity, single exposure - Category 3

SIGNAL WORD:

DANGER

HAZARDS STATEMENT:

H225-Highly flammable liquid and vapors  
H304-May be fatal if swallowed and enters airways  
H315-Causes skin irritation  
H317-May cause an allergic skin reaction  
H319-Causes serious eye irritation  
H332-Harmful if inhaled  
H335-May cause respiratory irritation  
H336-May cause drowsiness or dizziness  
H351-Suspected of causing cancer  
H361-Suspected of damaging fertility or the unborn child.  
H373-May cause damage to organs through prolonged or repeated exposure.

PRECAUTIONARY STATEMENTS:

P202-Do not handle until all safety precautions have been read and understood.  
P210-Keep away from heat/sparks/open flames/hot surfaces - No smoking

## SAFETY DATA SHEET

P242-Use only non-sparking tools.  
 P280-Wear protective gloves/eye protection/face protection.  
 P403-P233-Store in well-ventilated place. Keep container tightly closed.  
 P501-Dispose of contents/container in accordance with local/regional/national/regulation.

3. COMPOSITION/INFORMATION ON INGREDIENTS	CAS#	% BY WT.
TOLUENE	108-88-3	25% - 30%
OSHA PEL 200.00 PPM-TWA OSHA PEL 300.000 PPM-CEILING OSHA VPEL 100.000 PPM-TWA OSHA VPEL 150.000 PPM-STEL (SKIN) ACGIH TLV 50.000 PPM-TWA (SKIN) ACGIH TLV 150.000 PPM-STEL (SKIN) LD 50 ORAL RAT: 2.6 g/kg LC 50 INHALATION RAT: 8000 PPM; 4 h LD 50 DERMAL RABBIT: 12,124 mg/kg LC50 FISH 7.63 mg/l 96 h EC50 INVERTEBRATES 8 mg/l 24 h EC50 ALGAE 10 mg/l 24h		
METHYL ETHYL KETONE	78-93-3	15% - 20%
ACGIH TLV: 200 ppm ACGIH STEL: 300 ppm NIOSH REL: TWA 200 ppm NIOSH REL: TWA 590 mg/m3 OSHA P0: TWA 200 ppm OSHA P0: TWA 590 mg/m3 OSHA P0: STEL 300 ppm OSHA P0 STEL 885 mg/m3 EC50 ALGAE ?100 mg/l 96 hr LD50 ORAL 3400.0 mg/kg (RATS) DC50 VAPORS 2000 PPM (RATS) LC50 FISH 100 mg/l 96 hr EC50 DAPHNIA >100 mg/l 48 hr		
EPON RESIN	25036-25-3	10% - 15%
ACGIH TLV TWA-10 mg/m3 (inhalable particulate) OSHA PEL TWA-5 mg/m3 (respirable particulate) OSHA PEL TWA-15 mg/m3 (total dust) LD 50 Oral Rat >2,000 mg/kg LD 50 Dermal Rat >2,000 mg/kg		
ANTIMONY TRIOXIDE	1309-64-4	10% - 15%
ACGIH-TLV: 8 HR TWA-10 mg/m3, TOTAL ACGIH-TLV: 8 HR TWA-3 mg/3, RESPIRABLE OSHA-PEL: 8 HR TWA-15 mg/m3, TOTAL OSHA PEL: 8 HR TWA-5 mg/m3, RESPIRABLE LC50 INHALATION 4H RAT: >5.4 mg/l LD50 ORAL RAT: >5000 mg/kg		
METHYL ISOBUTYL KETONE	108-10-1	0% - 5%
ACGIH TWA: 20 ppm ACGIH STEL: 75 ppm NIOSH REL: 50 ppm NIOSH REL: 205 mg/m3 NIOSH STEL: 75 ppm NIOSH STEL: 300 mg/m3 OSHA Z1-TWA100 ppm OSHA Z1-410 mg/m3 OSHA P0-TWA 50 ppm OSHA P0-205 mg/m3		

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OSHA P0-stel 75 ppm		
OSHA 300 mg/m3		
LD50 RAT ORAL: 2080 mg/kg		
LD50 INHALATION RAT: >2000 PPM, 4 hr		
LC50 RAT INHALATION 8.L2-16.4 mg/l		
LC50 FISH >179 mg/l 96h		
EC50 AQUATIC INVERTEBRATES >200 mg/l 48h		
EC50 ALGAE 400 mg/l 95h		
<b>PINE OIL</b>	8002-09-3	0% - 5%
LD50 ORAL (RAT): 3840 mg/kg 14 days		
LD 50 DERMAL (RABBIT): >5000 mg/kg 14 days		
EC50 ALGAE 8 mg/l, 72 hr		
EC50 DAPHNIA 1.36 mg/lm 48 hr		
EC50 FISH 0.71 mg/l, 96 hr		
<b>N-BUTANOL</b>	71-36-3	0% - 5%
ACGIH TWA 20 PPM		
NIOSH REL 50 PPM		
NIOSH REL 150 mg/m3		
OSHA Z1 100 PPM - TWA		
OSHA Z1 300 mg/m3		
LC50 INHALATIN 8000ppm (24.24 mg/l) (rat)		
OSHA P0 50 PPM - CEILING		
OSHA P0 150 mg/m3		
LD50 ORGAL 790 mg/kg (rat)		
LC50 INHALATION >8000 PPM (rat)		
LD50 DERMAL 3.430 mg/kg (Rabbit)		
LC50 FISH 1,376 mg/l 96 h		
EC50 AQUATIC INVERTEBRATES 1,328 mg/l 48h		
EC50 ALGAE 225 mg/l 96 h		
NOEC AQUATIC INVERTEBRATES 4.1 mg/l 21d		
EC50 BACTERIA 4,390 mg/l 17h		
<b>ETHYL BENZENE</b>	100-41-4	0% - 5%
ACGIH: 20 ppm TWA		
OSHA 100 ppm TWA; 435 mg/m3 TWA		
OSHA 125 ppm STEL; 545 mg/m3 STEL		
NIOSH 100 ppm TWA; 435 mg/m3 TWA		
NIOSH 125 ppm STEL; 545 mg/m3 STEL		
LD50 ORAL: 3500 mg/kg (rat)		
LC50 Inhalation 17.2 mg/l 4h (rat)		
LD50 Dermal 15354 mg/kg (rabbit)		
LC50 FISH: 11.0-18.0 mg/l 96 hr		
EC50 ALGAE 4.6 mg/l 72 hr		
EC50 DAPHNIA 18.-2.5 mg/l 48 hr		

#### 4. First Aid Measures

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**Eyes:**

With eyelids open, immediately flush eyes with lots of lukewarm water for at least 30 minutes. Get immediate medical assistance.

**Skin:**

Wash the skin thoroughly with plenty of water for at least 15 minutes, using a mild and non-abrasive soap. Cold water may be used.

**Ingestion:**

Never give anything by mouth if the victim is semi-conscious, unconscious, or convulsing.

**Inhalation:**

## SAFETY DATA SHEET

Evacuate to fresh air and administer artificial respiration if breathing stopped. Obtain medical aid.

### 5. Fire Fighting Measures

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**Flammable Properties:**

Flash Point (Degree F) .....: 16F

Flash Point Method .....: TCC

**Explosive Limits:**

Upper explosive limit: 12%

Lower explosive limit: 1.2

**Hazardous Combustion Products:**

Carbon, Sulfur, Antimony, or their compounds

**Extinguishing Media:**

CO<sub>2</sub>, foam, dry chemical or halon

**Firefighting Procedures:**

Fire-Fighters should wear self-contained breathing apparatus and full protective equipment.

Extinguish all nearby sources of ignition.

### 6. Accidental Release Measures

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**Small Spill:**

Eliminate all sources of ignition, provide ventilation, contain spill, and absorb with inert absorbent.

Wear appropriate breathing apparatus (if applicable) and protective clothing.

Use only non-sparking tools and equipment.

**Large Spill:**

Remove by mechanical means and place in containers.

Use only non-sparking tools and equipment.

**Environmental Precautions:**

Prevent product or wash waters from entering the water system or sewers.

US regulations require reporting spills of this material that could reach any surface waters. In Canada, report to the applicable provincial environment ministry.

### 7. Handling and Storage

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**Handling:**

Avoid breathing dust/fume/gas/mist/vapors/spray.

Do not get in eyes, on skin, or on clothing.

Wash contaminated clothing thoroughly after handling.

Wash skin thoroughly (with soap and water) after handling.

**Storage:**

Store in a cool, dry well ventilated place, away from incompatible materials.

Store in a closed/sealed container.

**8. Exposure Controls/Personal Protection**

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**Airborne Exposure Limits:**

Mixture, see section 3

**Engineering Controls:**

General mechanical ventilation or local exhaust should be suitable to keep vapor concentrations below the threshold limit values.

Use explosion-proof electrical/ventilating/lighting equipment.

Prevent the product or the wash waters from entering the water system or sewers.

**Personal Protective Equipment:**



**Respiratory Protection:**

In case of inadequate ventilation, wear respirator protection. Use NIOSH/MSHA approved Cartridge Respirator or Mask to keep airborne mists and concentrations below the time weighted threshold limit values.

**Skin Protection:**

Wear protective gloves (eg Neoprene or Nitrile) for skin protection.

**Eye Protection:**

Wear eye protection/face protection. Contact lenses should not be worn without goggles.

**9. Physical and Chemical Properties**

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Flammability (solid, gas).....: Data not available  
Boiling Point .....: 174 F  
Melting Point .....: Data not available  
VOC.....: 668 grams/liter  
Freezing Point .....: Data not available  
Flash Point .....: 16F  
Vapor Pressure .....: Data not available  
Vapor Density .....: Heavier than air.  
Solubility in Water .....: Slightly Soluble  
Density.....: 9.6 lb/gl  
Evaporation Rate .....: Faster than n-Butyl Acetate.  
Explosive Limits:  
    Upper Explosive Limit .....: 12%  
    Lower Explosive Limit .....: 1.2  
Specific Gravity .....: 1.15291  
PH .....: None known  
Volatile (% by Weight).....: 60%  
Appearance and Odor .....: Gray/Black liquid, organic solvent odor  
Odor Threshold .....: Not applicable  
Viscosity .....: Not applicable  
Partition Coefficient:.....: Data not available  
Decomposition Temperature ...: Data not available

## SAFETY DATA SHEET

Autoignition temperature.....: Data not available

**10. Stability and Reactivity**

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**Chemical Stability (Conditions to Avoid):**

Stable under normal conditions.

**Incompatibility:**

Oxidizers, Strong Acids or Alkalies.

**Hazardous Decomposition Products:**

Irritating and/or toxic fumes including the following may be released:  
Carbon, Sulfur, Antimony, or their compounds

**Hazardous Polymerization:**

Will not occur.

**11. Toxicological Information**

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**Acute Toxicity Values:**

Mixture, see section 3 - Hazardous Ingredients

**Germ Cell Mutagenicity:**

None known

**Chronic/Carcinogenicity:**

IARC (International Agency for Research of Cancer):  
Group 2A-Probably carcinogenic to humans

NTP (National Toxicology Program):

None known

**Reproductive Toxicity:**

Product contains chemical(s) suspected of damaging fertility/unborn child

**STOT-single exposure:**

May cause respiratory irritation  
May cause drowsiness or dizziness

**STOT-repeated exposure:**

May cause damage to organs through prolonged or repeated exposure.

**Aspiration Hazard:**

May be fatal if swallowed and enters airways

**Routes of Exposure:**

Skin contact, skin absorption, eye contact, inhalation

**12. Ecological Information**

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**Environmental Fate:**

Do not allow product or runoff from fire control to enter storm or sanitary sewers, lakes, rivers, streams, or public waterways. Canadian and U.S. regulations require that environmental and/or other agencies be notified of a spill incident. The spill area must be cleaned and restored to the original condition or to the satisfaction of authorities.

**Environmental Toxicity:**

Data not available

**Persistence and Degradability:**

Data not available

**Bioaccumulative Potential:**

Data not available

**Mobility in Soil**

Data not available

**Other Adverse Effects:**

None known

**13. Disposal Considerations**

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**Disposal Methods:**

Dispose of contents/container to: A licensed waste disposal facility.  
Do not attempt to combust waste on-site. Incinerate at a licensed waste disposal site with approval of environment authority.

**14. Transport Information**

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**Domestic (Land, DOT), International (Water, IMO/IMDG), International (Air, ICAO) Road and Rail (ADR/RID), Air (ICAO/IATA), Vessel (IMO/IMDG):**

**UN Number:**

UN 1263

**UN Shipping Name:**

PAINT RELATED MATERIAL

**Transport Hazard Class:**

Class 3



**Packing Group:**

Group II

**ENVIRONMENTAL HAZARDS:**

**Marine Pollutant:**

None known

**Special Precautions for User:**

None known

**15. Regulatory Information**

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**U.S. Federal Regulations:**

**TSCA:**

ALL COMPONENTS OF THIS PRODUCT ARE ON THE TSCA INVENTORY OR ARE EXTINCT FROM REQUIREMENTS

**CERCLA: SARA Hazard Category:**

## SAFETY DATA SHEET

**Section 313:**

IF THIS MATERIAL HAS ANY COMPONENTS THAT ARE REPORTABLE UNDER SARA 313 THEY ARE SHOWN IN THE FOLLOWING LISTING. IF THE LISTING IS BLANK, THERE ARE NO REPORTABLE COMPONENTS.

COMPONENT	CAS #	% BY WT.
TOLUENE	108-88-3	25% - 30%
EPON RESIN	25036-25-3	10% - 15%
ANTIMONY TRIOXIDE	1309-64-4	10% - 15%
METHYL ISOBUTYL KETONE	108-10-1	0% - 5%
PINE OIL	8002-09-3	0% - 5%
N-BUTANOL	71-36-3	0% - 5%

**FRANK DODD SECTION 1502:**

ALL COMPONENTS OF THIS PRODUCT COMPLY WITH TITLE 15 OF THE US CONSUMER FINANCIAL PROTECTION ACT, DODD-FRANK ACT SECTION 1502 (CONFLICT MINERALS ACT).

**State Regulations:**

**California Prop 65:**

This product contains a chemical known to the State of California to cause cancer.

**International Regulations:**

**WHMIS:**

B2, D2A, D2B,

**CEPA (Canadian Environmental Protection Act)**

ALL INGREDIENTS ARE CEPA APPROVED FOR IMPORT TO CANADA. THIS PRODUCT HAS BEEN CLASSIFIED IN ACCORDANCE WITH THE HAZARD CRITERIA OF THE CONTROLLED PRODUCTS REGULATION (CPR) AND THE MSDS CONTAINS ALL THE INFORMATION REQUIRED BY THE CPR.

**EINECS (European Inventory of Existing Chemical List)**

ALL COMPONENTS OF THIS PRODUCT ARE INCLUDED ON THE EUROPEAN INVENTORY OF EXISTING CHEMICALS LIST

**16. Other Information**

**Date of Preparation:** 7/25/2019

**KEY/LEGEND**

- ACGIH: American Conference of Governmental Industrial Hygienists
- ADR: International Carriage of Dangerous Goods by Road
- RID: International Carriage of Dangerous Goods by Rail
- CAS: Chemical Abstracts Service
- CERCLA: Comprehensive Environmental Response, Compensation, & Liability Act
- DOT: Department of Transportation
- HMIS: Hazardous Materials Identification System
- IATA: International Air Transport Association
- ICAO: International Civil Aviation Organization
- IDL: Immediately Dangerous to Life
- IMDG: International Maritime Dangerous Goods
- IMO: International Maritime Organization
- LC: Lethal Concentration



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LD: Lethal Dose  
NIOSH: National Institute for Occupational Safety & Health  
OSHA: Occupational Safety & Health Administration  
PPM: Parts Per Million  
REL: Recommended Exposure Limit  
SARA: Superfund Amendments and Reauthorization Act  
STEL: Short-term Exposure Limits  
STOT: Specific Target Organ Toxicity  
TLV: Threshold Limit Value  
TSCA: Toxic Substances Control Act  
TWA: Time Weighted Average  
VOC: Volatile Organic Compounds  
WHMIS: Workplace Hazardous Materials Information System

### **Manufacturer Disclaimer:**

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