

## SAFETY DATA SHEET

### 1. IDENTIFICATION:

PRODUCT NAME: LUBE-LOK 4856  
 PRODUCT CODE: PLL4856  
 PRODUCT USE.: Low Friction Coating  
 Manufacturer:

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

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: 11/6/2019

### 2. HAZARDS IDENTIFICATION



#### CLASSIFICATION:

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

#### SIGNAL WORD:

DANGER

#### HAZARDS STATEMENT:

H224-Extremely flammable liquid and vapors  
 H304-May be fatal if swallowed and enters airways  
 H315-Causes skin irritation  
 H319-Causes serious eye irritation  
 H331-Toxic if inhaled  
 H335-May cause respiratory irritation  
 H336-May cause drowsiness or dizziness  
 H341-Suspected of causing genetic defects  
 H350-May cause cancer  
 H360-May damage fertility or the unborn child.  
 H372-Causes damage to organs through prolonged and 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  
 P242-Use only non-sparking tools.

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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	30% - 35%
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		
ETHANOL	64-17-5	15% - 20%
OSHA PEL 1000.000 ppm TWA NIOSH REL 1,000 ppm TWA NIOSH REL 1,900 mg/m3 OSHA Z-1 1,000 ppm TWA OSHA Z-1 1,900 mg/m3 ACGIH 1,000 ppm STEL LD50 ORAL 7060 mg/kg (rat) LC 50 INHALATION 124.7 mg/l (rat) LC50 FISH 15,300 mg/l 96h EC50 DAPHNIA 5,012mg/l 48hr EC50 ALGAE 275 mg/l 72 hr		
1-METHOXY-2-PROPANOL	107-98-2	10% - 15%
ACGIH TWA-100 ppm ACGIH STEL-150 ppm OSHA-TWA-100 ppm OSHA-TWA-360 mg/m3 OSHA-STEL-150 ppm OSHA-STEL-540 mg/m3 LD50 Oral - mouse - 11,700 mg/kg LC50 Inhalation - rat - 5 h - 10000 ppm LD50 Dermal - rabbit - 13,000 mg/kg LC50 FISH 20.8 g/l 96 hr EC50 DAPHNIA 23300 mg/l 48 hr		
1,3 DIOXOLANE	646-06-0	5% - 10%
LD50 ORAL RAT: 2000 mg/kg LC50 FISH 1: 95,4 mg/l EC50 DAPHNIA 1: 772 mg/l ErC50 ALGAE: 877 mg/l		
LEAD POWDER	7439-92-1	5% - 10%
OSHA PEL TWA: 0.5 mg/m3 ACGIH TLV TWA: 0.05 mg/m3 NIOSH RED TWA 0.050 mg/m3 IDLH 100 mg/m3 LC50 FISH 1 0.44 mg/l 96h LC50 DAPHNIA1 600 ug/l 48h LC50 FISH 2 1.17 mg/l 96 h		
1,4 DIOXANE	123-91-1	0% - 5%
OSHA PEL 100 PPM SKIN		

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OSHA PEL 360 mg/m3 SKIN		
ACGIH TWA: 20 PPM SKIN		
LD50 ORAL 5170 mg/kg (rat)		
LD50 DERMAL 7855 mg/kg (rabbit)		
LC0 INHALATION 38.8 mg/l (rat)		
LC50 FISH >199 ng.k 21 d		
EC50 DAPHNIA >1,000 mg/l 48 hr		
EC50 ALGAE >1,000 mg/l 72hr		
SEC BUTANOL	78-92-2	0% - 5%
OSHA Z1: 150 PPM		
OSHA Z1: 450 mg/m3		
ACGIH TWA 100 PPM		
NIOSH REL 100 PPM		
NIOSH REL 305 mg/m3		
NIOSH STEL 150 PPM		
NOISH STEL 455 mg/m3		
LC50 INHALATION 48,500 mg/m3; 4H RAT		
LDD50 DERMAL: >2g/kg RAT		
LD50 ORAL: 2193 mg/kg RAT		
LD50 ORAL 4,900 mg/kg (RABBIT)		
LC50 FATHEAD MINNOW 3,380-3,990 mg/l 96 h		
EC50 DAPHNIA z1859-7143 mg/l 48 h		
ETHYLENE DICHLORIDE	107-06-2	0% - 5%
OSHA PEL-TWA: 50 ppm		
OSHA PEL-CEILING: 100 ppm		
ACGIH TWA: 10 ppm		
LD50 ORAL: 680 mg/kg (Rat)		
LD50 DERMAL: 4890 mg/kg (Rabbit)		
LC50 INHALATION 4 mg/l /6hr (Rat)		
LC50 FISH 136 mg/l 95 hr		
LC50 DAPHN IA 218 mg/l 48 hr		
EC50 ALGAE >433 mg/l 96 hr		
N-METHYL-2-PYRROLIDONE	872-50-4	0% - 5%
ACGIH BEI: 100 mg/l		
US WEEL 10 ppm TWA		
LD50 ORAL-4150 mg/kg (rat)		
LC50 INHALATION->5.1 mg/l 4h		
LD50 DERMAL: >5000 mg/kg (rat)		
LC50 FISH >100 mg/l 96h		
EC50 DAPHNIA >100 mg/l 24h		
EC50 ALGAE >100 mg/l 72h		
LC50 BACTERIA 9,000 mg/l		
FORMALDEHYDE	50-00-0	0% - 5%
ACGIH TLV: 03 ppm		
NIOSH REL: 0.016 ppm TWA		
OSHA PEL-STEEL 2 ppm		
OSHA PEL-TWA 0.75 ppm		
LD50 ORAL: 100 mg/kr (rat)		
LD50 ORAL: 42 mg/kr (mouse)		
LD50 DERMAL: 270 ul/kr (rabbit)		
LC50 BLUEGILL 0.10 mg/l 96h		
LC50 MINNOW 24.1 mg/l 95hr		
EC50 PHOTOBACTERIUM 6.81 mg/l 25 min.		
LC50 INHALATION: 454 mg/m35h (mouse)		

#### 4. First Aid Measures

##### Eyes:

With eyelids open, immediately flush eyes with lots of lukewarm water

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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:**

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

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### 5. Fire Fighting Measures

**Flammable Properties:**

Flash Point (Degree F) .....: 35.6F

Flash Point Method .....: CC

**Explosive Limits:**

Upper explosive limit: 36.0

Lower explosive limit: 1.2

**Hazardous Combustion Products:**

Carbon, lead, tin, and 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.

In case of fire, toxic fumes of lead oxide may be emitted.

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### 6. Accidental Release Measures

**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 .....: 168F

Melting Point .....: Data not available

VOC.....: 720 grams/liter

Freezing Point .....: Data not available

Flash Point .....: 35.6F

Vapor Pressure .....: Data not available

Vapor Density .....: Heavier than air.

Solubility in Water .....: Slightly Soluble

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Density.....: 8.6 lb/gl  
Evaporation Rate .....: Faster than n-Butyl Acetate.  
Explosive Limits:  
    Upper Explosive Limit .....: 36.0  
    Lower Explosive Limit .....: 1.2  
Specific Gravity .....: 1.03282  
PH .....: None known  
Volatile (% by Weight).....: 75%  
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  
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, lead, tin, and 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 1-Carcinogenic to humans

NTP (National Toxicology Program):  
Known to be a human carcinogen

**Reproductive Toxicity:**  
Product contains chemical(s) that may damage fertility or  
the unborn child

**STOT-single exposure:**  
May cause respiratory irritation  
May cause drowsiness or dizziness

**STOT-repeated exposure:**  
Causes damage to organs through prolonged or repeated exposure  
May cause damage to organs through prolonged or repeated exposure.

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**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

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**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:**

**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	30% - 35%
1-METHOXY-2-PROPANOL	107-98-2	10% - 15%
LEAD POWDER	7439-92-1	5% - 10%
1,4 DIOXANE	123-91-1	0% - 5%
SEC BUTANOL	78-92-2	0% - 5%
ETHYLENE DICHLORIDE	107-06-2	0% - 5%
N-METHYL-2-PYRROLIDONE	872-50-4	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.

This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

**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)**



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

**16. Other Information**

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**Date of Preparation:** 11/6/2019

**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  
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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