

# EVERLUBE® PRODUCTS

## SAFETY DATA SHEET

LUBRI-BOND K AEROSOL  
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### 1. IDENTIFICATION:

PRODUCT NAME: LUBRI-BOND K AEROSOL (CONC)  
PRODUCT CODE: PLBKAEMSDS  
PRODUCT USE.: Low Friction Coating

HMIS CODES H F R P  
2\*4 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: 10/27/2016

### 2. HAZARDS IDENTIFICATION

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#### CLASSIFICATION:

Flammable Aerosol - Category 1  
Acute Toxicity, Dermal (Category 3)  
Acute Toxicity, Inhalation (Category 4)  
Acute Toxicity, Oral (Category 4)  
Aquatic Acute Toxicity - Category 2  
Aspiration Hazard - Category 1  
Carcinogenicity - Category 2  
Serious Eye Irritation - Category 2  
Gas Under Pressure - Compressed gas  
Reproductive Toxicity - Category 1  
Skin Irritation - Category 2  
Specific target organ toxicity, repeated exposure - Category 2  
Specific target organ toxicity, single exposure - Category 2

#### SIGNAL WORD:

DANGER

#### HAZARDS STATEMENTS:

H229-Pressurized container, may burst if heated  
H304-May be fatal if swallowed and enters airways  
H312-Harmful in contact with skin.  
H319-Causes serious eye irritation  
H332-Harmful if inhaled  
H333,H336-May be harmful if inhaled; May cause drowsiness or dizziness  
H335-May cause respiratory irritation  
H336-May cause drowsiness or dizziness  
H337-May cause damage to central nervous system  
H351-Suspected of causing cancer  
H360-May damage fertility or the unborn child.  
H373-May cause damage to organs through prolonged or repeated exposure.  
H401-Toxic to aquatic life

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**PRECAUTIONARY STATEMENTS:**

P210-Keep away from heat/sparks/open flames/hot surfaces - No smoking  
 P211-Do not spray on an open flame or other ignition source.  
 P251-Pressurized container: Do not pierce or burn, even after use.  
 P280-Wear protective gloves/eye protection/face protection.  
 P403-P233-P410-P412-Store in a well ventilated place. Keep container tightly closed. Protect from sunlight. Do not expose to temperatures exceeding 122°F/50°C.  
 P501-Dispose of contents/container in accordance with local/regional/national/regulation.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

	CAS#	% BY WT.
DIMETHYL ETHER	115-10-6	55 - 60%
LC50 (inhalation, rat) = 164,000 ppm for 4 hours		
METHYL ETHYL KETONE	78-93-3	25% - 30%
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		
CYCLOHEXANONE	108-94-1	5% - 10%
ACGIH TLV 20 PPM TWA		
ACGIH TLV 50 PPM STEL		
NIOSH REL 100 mg/m3		
NOISH REL 25 PPM		
OSHA Z-1 200 mg/m3 PEL		
OSHA Z-1 50 PPM		
LD50 ORAL 1535 mg/kg (RAT)		
LD50 SKIN 948 mg/kg (rabbit)		
LC50 INHALATION: 8000ppm 4H (rat)		
LD50 ORAL 1400 mg/kg (mouse)		
LC50 FATHEAD MINNOW 481-578 mg/l 96 hr		
LC50 DAPHNIA 800 mg/l 24 hr		
ETHYL BENZENE	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		
TOLUENE	108-88-3	0% - 5%
OSHA PEL 200.00 PPM-TWA		
OSHA PEL 300.000 PPM-CEILING		
OSHA VPEL 100.000 PPM-TWA		

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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

### 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. Consult a doctor if irritation persists.

**Ingestion:**

Do not induce vomiting! Immediately have the victim drink plenty of water. Do not give milk or digestible oils. Keep airways free. Contact a physician. Never give anything by mouth if victim is rapidly losing consciousness, unconscious, or convulsing.

**Inhalation:**

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 Liquid (Degree F) .....: 15.8 F

Flash Point Method .....: TOC

Flash Point Propellant.....: -42.0 F

**Explosive Limits:**

Upper explosive limit: 27.0%

Lower explosive limit: 1

**Hazardous Combustion Products:**

Oxides of Carbon, Aldehydes, Hydrogen Peroxides 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.

### 6. Accidental Release Measures

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**Small Spill:**

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

Issue warning "Flammable". Isolate the hazard area and restrict access.

Handle as highly flammable liquid.

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

Prevent the spill or wash from entering sewers or watercourses.

**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.

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**7. Handling and Storage**

**Handling:**

Maintain good personal hygiene. Avoid breathing processing vapors. Avoid prolonged or repeated skin contact. Wash skin with soap and water after handling. Wash contaminated clothing before re-use.

**Storage:**

Storage of individual cans should be done in an area below 120F, away from heat sources. Ensure can is in a secure place to prevent knocking over and accidental rupture. For storage of pallet quantities, compliance with NFPA 30B (Manufacture and Storage of Aerosol products) is recommended.

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**8. Exposure Controls/Personal Protection**

**Airborne Exposure Limits:**

None known

**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.

For personal entry into confined spaces (i.e. bulk storage tanks) a proper confined space entry procedure must be followed including ventilation and testing of tank atmosphere. Make-up air should always be supplied to balance air exhausted.

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

**Personal Protective Equipment:**



**Respiratory Protection:**

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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).....: **Extremely Flammable Aerosol**  
 Boiling Point .....: 174 F  
 Melting/Freezing Point .....: -122.8 F  
 VOC.....: 711.759  
 Flash Point Liquid.....: 15.8 F  
 Flash Point Propellant.....: -42.0 F  
 Can Pressure.....: 61.30 psig  
 Vapor Pressure .....: Data not available  
 Vapor Density .....: 2.410 g/cc Maximum  
 Solubility in Water .....: Insoluble  
 Density.....: 10.5 lb/gl  
 Evaporation Rate .....: Data not available.  
**Explosive Limits:**  
     Upper Explosive Limit .....: 27.0%  
     Lower Explosive Limit .....: 1  
 Specific Gravity .....: 1.261  
 PH .....: Not Applicable.  
 Volatile (% by Weight).....: 93%  
 Appearance and Odor .....: Gray/Black liquid, organic solvent odor  
 Odor Threshold .....: None known  
 Viscosity .....: None known  
 Partition Coefficient.....: Data not available  
 Decomposition Temperature ...: Data not available  
 Autoignition temperature.....: 759.2 F

### 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: Oxides of Carbon, Aldehydes, Hydrogen Peroxides 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 2B-Possibly carcinogenic to humans

NTP (National Toxicology Program):  
None known

**Reproductive Toxicity:**

Product contains chemical(s) that may damage fertility or the unborn child

**STOT-single exposure:**

If inhaled may cause drowsiness or dizziness  
May cause respiratory irritation  
May cause drowsiness or dizziness  
May cause damage to central nervous system

**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

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**12. Ecological Information**

**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

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**13. Disposal Considerations**

**Disposal Methods:**

Dispose of contents/container to: A licensed waste disposal facility. Do not attempt to combust waste on-site. DO NOT INCINERATE - CONTENTS UNDER PRESSURE.

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### 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 1950

**UN Shipping Name:**

Aerosol, Flammable

**Transport Hazard Class:**

Class 2.1



**Packing Group:**

Not Applicable

**ENVIRONMENTAL HAZARDS:**

**Marine Pollutant:**

Toxic to aquatic life

**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 EXTINGUISHED 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.
CYCLOHEXANONE	108-94-1	5% - 10%

**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 Classification:**

A, B5, D1B, 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**

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**DATE OF PREPARATION: 10/27/2016**

**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:**

TO THE BEST OF OUR KNOWLEDGE, THE INFORMATION AND RECOMMENDATION CONTAINED HEREIN IS BELIEVED TO BE ACCURATE AT THE TIME OF PREPARATION OR OBTAINED FROM SOURCES BELIEVED TO BE RELIABLE. HOWEVER, IT IS THE USERS RESPONSIBILITY TO DETERMINE SAFETY, TOXICITY, AND SUITABILITY FOR HIS OWN USE OF THE PRODUCT. EVERLUBE PRODUCTS ASSUMES NO RESPONSIBILITY. THE CUSTOMER OR RECIPIENT OF THIS SDS SHOULD ENSURE THAT THE INFORMATION CONTAINED IN THIS SDS IS MADE AVAILABLE TO ALL EMPLOYEES OR OTHER



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PERSONS WHOM HE KNOWS OR BELIEVES WILL USE THIS MATERIAL

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