EVERLUBE® PRODUCTS

SAFETY DATA SHEET

1. IDENTIFICATION:

PRODUCT NAME: LUBRI-B0ND 220 AEROSOL **HMIS CODES H F R P**
PRODUCT CODE: PLB220AEMSDS **2*4 1 G**
PRODUCT USE.: Low Friction Coating

Manufacturer:

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: 10/26/2016

2. HAZARDS INDENTIFICATION

CLASSIFICATION:
Flammable Aerosol - Category 1
Acute Toxicity - Category 4
Aquatic Acute Toxicity - Category 1
Aquatic Chronic Toxicity - Category 1
Aspiration Hazard - Category 1
Carcinogenicity - Category 1
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 1
Specific target organ toxicity, single exposure - Category 2

SIGNAL WORD:
DANGER

HAZARDS STATEMENTS:
H304-May be fatal if swallowed and enters airways
H312-Harmful in contact with skin.
H319-Causes serious eye irritation
H332-Harmful if inhaled
H335-May cause respiratory irritation
H336-May cause drowsiness or dizziness
H337-May cause damage to central nervous system
H350-May cause cancer
H360-May damage fertility or the unborn child.
H372-Causes damage to organs through prolonged and repeated exposure
H410-Very toxic to aquatic life with long lasting effects.

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		
TOLUENE	108-88-3	15% - 20%
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		
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		
METHYL ETHYL KETONE	78-93-3	0% - 5%
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		
LEAD PHOSPHITE	12141-20-7	0% - 5%
ACGIH TLV-TWA: 0.15 mg/m3 (8 hrs), as Pb		
BLV: 50 mmg/100g blood		
OSHA PEL: 0.05 mg/m3, AS Pb		
ANTIMONY TRIOXIDE	1309-64-4	0% - 5%
OSHA Z-1 0.5 mg/m3 TWA		

OSHA P0: 0.5 mg/m3 TWA
NOISH REL 0.5 mg/m3
LD Oral Rat: >34,600 mg/kg
LC50 Fish: >1,000 mg/l 96hr
EC50 Daphnia: >1,000 mg/l 48 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

4. First Aid Measures

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

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, Antimony fumes, Hydrogen Peroxide and their compounds

Extinguishing Media:
CO2, foam, dry chemical or halon

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

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

6. Accidental Release Measures

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.

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 quantiies, compliance with NFPA 30B(Manufacture and Storage of Aerosol products) is recommneded.

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:
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

Flammability (solid, gas)....: Extremely Flammable Aerosol
Boiling Point .....: 174 F
Melting/Freezing Point .....: None known
VOC.....: 652 grams/liter
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.....: 7.4 lb/gl
Evaporation Rate .....: Data not available.
Explosive Limits:
Upper Explosive Limit .....: 27.0%
Lower Explosive Limit .....: 1
Specific Gravity .....: .8887
PH .....: Not Applicable.
Volatile (% by Weight).....: 85%
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

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, Antimony fumes, Hydrogen Peroxide and their compounds

Hazardous Polymerization:
Will not occur.

11. Toxicological Information

Acute Toxicity Values:
Mixture, see section 3 - Hazardous Ingredients

Germ Cell Mutagenicity:
None of the ingredients are know or suspected of causing genetic defects.

Chronic/Carcinogenicity:
IARC (International Agency for Research of Cancer):
Group 1-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:
May cause respiratory irritation
May cause drowsiness or dizziness
May cause damage to central nervous system

STOT-repeated exposure:
Causes damage to organs through prolonged or 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

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

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.

14. Transport Information

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
Harmful to aquatic life with long lasting effects

Special Precautions for User:
None known

15. Regulatory Information

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	15% - 20%
CYCLOHEXANONE	108-94-1	5% - 10%
LEAD PHOSPHITE	12141-20-7	0% - 5%
ANTIMONY TRIOXIDE	1309-64-4	0% - 5%
ETHYL BENZENE	100-41-4	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 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

DATE OF PREPARATION: 10/26/2016

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

EVERLUBE® PRODUCTS

SAFETY DATA SHEET

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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