EVERLUBE® PRODUCTS

SAFETY DATA SHEET

1. IDENTIFICATION:

PRODUCT NAME: LUBE-LOK 4253 **HMIS CODES H F R P**
PRODUCT CODE: PLL4253 **3*3 1 H**
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: 11/4/2019

2. HAZARDS INDENTIFICATION

CLASSIFICATION:
Highly Flammable Liquid and Vapors - Category 2
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 2
Specific target organ toxicity, single exposure - Category 1

SIGNAL WORD:
DANGER

HAZARDS STATEMENT:
H225-Highly 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.
H370-Causes damage to organs

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.

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		
ETHANOL	64-17-5	10% - 15%
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		
1,4 DIOXANE	123-91-1	5% - 10%
OSHA PEL 100 PPM SKIN 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		
ETHYLENE DICHLORIDE	107-06-2	5% - 10%
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

SEC BUTANOL 78-92-2 5% - 10%
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

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

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-STEL 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 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.

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, Silver, 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.

Extinguish all nearby sources of ignition.

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

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

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

Flammability (solid, gas)....: Data not available
Boiling Point .....: 168F
Melting Point .....: Data not available
VOC.....: 744 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
Density.....: 9. lb/gl
Evaporation Rate .....: Faster than n-Butyl Acetate.
Explosive Limits:
Upper Explosive Limit .....: 36.0
Lower Explosive Limit .....: 1.2
Specific Gravity .....: 1.08085
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

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, Silver, and their compounds

Hazardous Polymerization:
Will not occur.

11. Toxicological Information

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.

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. Incinerate at a licensed waste disposal site with approval of environment authority.

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 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

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	25% - 30%
1-METHOXY-2-PROPANOL	107-98-2	10% - 15%
1,4 DIOXANE	123-91-1	5% - 10%
ETHYLENE DICHLORIDE	107-06-2	5% - 10%
SEC BUTANOL	78-92-2	5% - 10%
SILVER	7440-22-4	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)
ALL COMPONENTS OF THIS PRODUCT ARE INCLUDED ON THE EUROPEAN INVENTORY OF EXISTING CHEMICALS LIST

16. Other Information

Date of Preparation: 11/4/2019

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:
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 SUITABLITY 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 PERSONS WHOM HE KNOWS OR BELIEVES WILL USE THIS MATERIAL