

# EVERLUBE<sup>®</sup> PRODUCTS

## SAFETY DATA SHEET

PERMA-SLIK G AEROSOL  
Page 1 of 9

### 1. IDENTIFICATION:

PRODUCT NAME: PERMA-SLIK G AEROSOL MSDS  
PRODUCT CODE: PPSGAEMSDS  
PRODUCT USE.: Low Friction Coating

HMIS CODES H F R P  
2\*4 0 B

#### 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: 2/12/2019

### 2. HAZARDS IDENTIFICATION

---



#### CLASSIFICATION:

Extremely Flammable Liquid and Vapors - Category 1  
Flammable Aerosol - Category 1  
Acute Toxicity, Dermal - Category 4  
Acute Toxicity, Inhalation - Category 4  
Acute Toxicity, Oral - Category 4  
Aspiration Hazard - Category 1  
Carcinogenicity - Category 1  
Serious Eye Damage - Category 1  
Gas Under Pressure - Compressed gas  
Reproductive Toxicity - Category 1  
Skin Corrosion/Irritation - Category 2  
Specific target organ toxicity, single exposure - Category 3

#### SIGNAL WORD:

DANGER

#### HAZARDS STATEMENT:

H222-Extremely flammable aerosol  
H280-Contains gas under pressure; may explode if heated  
H304-May be fatal if swallowed and enters airways  
H312-Harmful in contact with skin.  
H317-May cause an allergic skin reaction  
H318-Causes serious eye damage.  
H332-Harmful if inhaled  
H335-May cause respiratory irritation  
H336-May cause drowsiness or dizziness  
H350-May cause cancer  
H360-May damage fertility or the unborn child.

#### PRECAUTIONARY STATEMENTS:

P202-Do not handle until all safety precautions have been read and understood.

## SAFETY DATA SHEET

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.  
 P260-Do not breathe dust/fumes/gas/mist/vapors/spray.  
 P264-Wash hands thoroughly after handling  
 P270-Do not eat, drink, or smoke when using this product  
 Use in well-ventilated area  
 P273-Avoid release to the environment  
 P280-Wear protective gloves/eye protection/face protection.  
 P301+P310-If swallowed, immediately call POISON CONTROL  
 P302+P352-If on skin: Wash with plenty of water  
 P304+P340-If inhaled: Remove person to fresh air and keep comfortable for breathing  
 P305-If in eye rinse cautiously with water for several minutes.  
 P308+P313-If exposed or concerned: Get medical advice/attention.  
 P314-Get medical advice/attention if you feel unwell.  
 P331-Do NOT induce vomiting  
 P332+P313-If skin irritation occurs: Get medical advice/attention.  
 P337+P313-If eye irritation persists: Get medical advice/attention.  
 P362+P364-Take off contaminated clothing and wash it before reuse.  
 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  | 30% - 35% |
| 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 | 0% - 5%   |
| ACGIH TLV 20 PPM TWA                             |          |           |
| ACGIH TLV 50 PPM STEL                            |          |           |
| NIOSH REL 100 mg/m3                              |          |           |
| NIOSH 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                                |          |           |

## SAFETY DATA SHEET

OSHA 100 ppm TWA; 435 mg/m<sup>3</sup> TWA  
 OSHA 125 ppm STEL; 545 mg/m<sup>3</sup> STEL  
 NIOSH 100 ppm TWA; 435 mg/m<sup>3</sup> TWA  
 NIOSH 125 ppm STEL; 545 mg/m<sup>3</sup> 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

LEAD PHOSPHITE 12141-20-7      0% - 5%

ACGIH TLV-TWA: 0.15 mg/m<sup>3</sup> (8 hrs), as Pb  
 BLV: 50 mmg/100g blood  
 OSHA PEL: 0.05 mg/m<sup>3</sup>, AS Pb

ANTIMONY TRIOXIDE 1309-64-4      0% - 5%

OSHA Z-1 0.5 mg/m<sup>3</sup> TWA  
 OSHA P0: 0.5 mg/m<sup>3</sup> TWA  
 NOISH REL 0.5 mg/m<sup>3</sup>  
 LD Oral Rat: >34,600 mg/kg  
 LC50 Fish: >1,000 mg/l 96hr  
 EC50 Daphnia: >1,000 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 (Degree F) .....: -42F

Flash Point Method .....: TOC

**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:**

CO<sub>2</sub>, 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 quantities, compliance with NFPA 30B (Manufacture and Storage of Aerosol products) is recommended.

**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 Point .....: None known  
VOC.....: 699.221  
Freezing Point .....: None known  
Flash Point .....: -42F  
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**

---

**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:

## SAFETY DATA SHEET

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 known

**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:**

If inhaled may cause drowsiness or dizziness

**STOT-repeated exposure:**

None known

**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:**

**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. |
|---------------|----------|----------|
| 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:**

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: 2/12/2019**

**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 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 PERSONS WHOM HE KNOWS OR BELIEVES WILL USE THIS MATERIAL

[www.everlubeproducts.com](http://www.everlubeproducts.com)