

EVERLUBE[®] PRODUCTS

SAFETY DATA SHEET

FORMKOTE T-50 AEROSOL
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1. IDENTIFICATION:

PRODUCT NAME: FORMKOTE T-50 AEROSOL
PRODUCT CODE: PFKT50AEMSDS
PRODUCT USE.: Low Friction Coating

HMIS CODES H F R P
2*4 0 G

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: 4/26/2021

2. HAZARDS IDENTIFICATION



CLASSIFICATION:

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 Irritation - Category 2
Gas Under Pressure - Compressed gas
Reproductive Toxicity - Category 2
Skin Corrosion/Irritation - Category 2
Specific target organ toxicity, repeated exposure - Category 2
Specific target organ toxicity, single exposure - Category 3

SIGNAL WORD:

DANGER

HAZARDS STATEMENTS:

H222-Extremely flammable aerosol
H280-Contains gas under pressure; may explode if heated
H304-May be fatal if swallowed and enters airways
H305-May be harmful if swallowed and enters airways.
H312-Harmful in contact with skin.
H315-Causes skin irritation
H319-Causes serious eye irritation
H332-Harmful if inhaled
H336-May cause drowsiness or dizziness
H350-May cause cancer
H361-Suspected of damaging fertility or the unborn child.
H373-May cause damage to organs through prolonged or repeated exposure.

PRECAUTIONARY STATEMENTS:

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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
 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.
 P261-Avoid breathing dust/fumes/gas/mist/vapours/spray.
 P264-Wash hands thoroughly after handling
 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.
TOLUENE	108-88-3	45% - 50%
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		
ETHYL ACETATE	141-78-6	10% - 15%
ACGIH 400 ppm TWA NIOSH REL 400 ppm TWA NIOSH REL 1,400 mg/m3 OSHA Z1 400 PPM TWA (1,400 mg/m3) OSHA P0 400 ppm TWA (1,400 mg/m3) LD50 ORAL: 5620 mg/kg (rat) LD L0 INHALATION >22.5 mg/l (rat) 6 hr LD50 DERMAL >20,000 mg/kg (rabbit) LC50 FISH 220 mg/l 96 hr EC50 DAPHNIA 2,300 mg/l 24 hr EC50 ALGAE 4,300 mg/l 24 hr		
PROPANE	74-98-6	10% - 15%
OSHA PEL 1000 PPM NIOSH REL 1000 PPM NIOSHJ IDLH 1000 PPM		

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ACGIH TLV 1000 PPM		
LC50 RAT 658mg/l Rat		
ISOBUTANE	75-28-5	0% - 5%
ACGIH TLV TWA 1000 ppm		
NIOSH REL-800 ppm		
NIOSH REL: 1,900 mg/m3		
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		
XYLENE	1330-20-7	0% - 5%
ACGIH TWA: 100 PPM		
ACGIH STEL: 150 PPM		
OSHA Z-1 TWA: 100 PPM		
OSHA Z-1 435 mg/m3		
LD50: ORAL 3,523 mg/kg (rat)		
LC50 INHALATION 6700 ppm (rat) 4hr		
EC50 ALGAE 4.36 mg/l 73 hr		
IC50 DAPHNIA 1 mg/l 24hr		
LC50 FISH 2.6 mg/l 96hr		
N-Butane	106-97-8	0% - 5%
ACGIH TLV TWA 1,000 ppm		
NOISH REL TWA 8000 ppm		
NIOSH REL 1,900 mg/m3		
ACGIH TLV STEL 1,000 ppm		
LC50 INHALATION RAT 4 H 658,000 mg/me		
CRYSTALLINE SILICON	14808-60-7	0% - 5%
ACGIH TLV: 0.025 mg/m3		
OSHA PEL: 0.1 mg/m3		
OSHA TWA: 0.1 g/m3		
NIOSH IDLH 50 mg/m3 Respirable dust		
NIOSH TWA 0.05 mg/m3 Respirable dust		
LD50 ORAL RAT 500mg/kg		

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.

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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): None known

Flash Point Method: None Known

Flash Point Propellant.....: -156 F

Explosive Limits:

Upper explosive limit: 11.5% (V)

Lower explosive limit: 1.0% (V)

Hazardous Combustion Products:

Carbon, Acetic Acid, Isopropanol

Extinguishing Media:

CO₂, foam, dry chemical or halon

Firefighting Procedures:

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

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:

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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: 10 F
Melting/Freezing Point: 118.5 F
VOC.....: 717 grams/liter
Flash Point Liquid.....: None known
Flash Point Propellant.....: -156 F
Can Pressure.....: 70 psig
Vapor Pressure: Data not available
Vapor Density: None known
Solubility in Water: Insoluble
Density.....: 7.8 lb/gl
Evaporation Rate: Data not available.
Explosive Limits:

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Upper Explosive Limit: 11.5% (V)
Lower Explosive Limit: 1.0% (V)
Specific Gravity: .93674
PH: Not Applicable.
Volatile (% by Weight).....: 90%
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.....: 798.8 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:

Carbon, Acetic Acid, Isopropanol

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) suspected of damaging fertility/unborn child

STOT-single exposure:

If inhaled may cause drowsiness or dizziness

May cause drowsiness or dizziness

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

12. Ecological Information

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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:**

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 EXEMPT 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	45% - 50%
ETHYL ACETATE	141-78-6	10% - 15%
PROPANE	74-98-6	10% - 15%
ETHYL BENZENE	100-41-4	0% - 5%
XYLENE	1330-20-7	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, 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: 4/26/2021

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

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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

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