

EVERLUBE[®] PRODUCTS

SAFETY DATA SHEET

FORMKOTE T-50

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1. IDENTIFICATION:

PRODUCT NAME: FORMKOTE T-50
PRODUCT CODE: PFKT50
PRODUCT USE.: Low Friction Coating

HMIS CODES H F R P
2*3 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: 5/16/2016

2. HAZARDS IDENTIFICATION



CLASSIFICATION:

Highly Flammable Liquid and Vapors - Category 2
Acute Toxicity - Category 4
Aquatic Acute Toxicity - Category 2
Aspiration Hazard - Category 1
Carcinogenicity - Category 2
Serious Eye Irritation - Category 2A
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 STATEMENT:

H225-Highly flammable liquid and vapors
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
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

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

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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	70 - 75%
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		
XYLENE	1330-20-7	5% - 10%
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		
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.

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

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breathing stopped. Obtain medical aid.

5. Fire Fighting Measures

Flammable Properties:

Flash Point (Degree F): 40 F

Flash Point Method: TCC

Explosive Limits:

Upper explosive limit: 7.1% (V)

Lower explosive limit: 1.0% (V)

Hazardous Combustion Products:

Carbon, Silicon, or 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.

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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: 228 F

Melting Point: Data not available

VOC.....: 765 grams/liter

Freezing Point: Data not available

Flash Point: 40 F

Vapor Pressure: Data not available

Vapor Density: Heavier than air.

Solubility in Water: Insoluble

Density.....: 8. lb/gl

Evaporation Rate: Faster than n-Butyl Acetate.

Explosive Limits:

Upper Explosive Limit: 7.1% (V)

Lower Explosive Limit: 1.0% (V)

Specific Gravity: .96076

PH: None known

Volatile (% by Weight).....: 80%

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, Silicon, or 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 2B-Possibly carcinogenic to humans

NTP (National Toxicology Program):
Not listed as a 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
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

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:

Toxic to aquatic life

Special Precautions for User:

None known

15. Regulatory Information

U.S. Federal Regulations:

OSHA:

OSHA Regulated

TSCA:

ALL COMPONENTS OF THIS PRODUCT ARE ON THE TSCA INVENTORY OR ARE

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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	70 - 75%
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:

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: 5/16/2016

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

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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:

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