

1. IDENTIFICATION:

PRODUCT NAME: FORMKOTE T-50-66  
PRODUCT CODE: PFKT5066  
PRODUCT USE.: Low Friction Coating

HMIS CODES H F R P  
2\*3 0 G

Manufacturer:

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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

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CLASSIFICATION:

Extremely Flammable Liquid and Vapors - Category 1  
Acute Toxicity - Category 3  
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 1

SIGNAL WORD:

DANGER

HAZARDS STATEMENT:

H224-Extremely flammable liquid and vapors  
H301-Toxic if swallowed  
H311-Toxic in contact with skin  
H319-Causes serious eye irritation  
H331-Toxic if inhaled  
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.  
H370-Causes damage to organs  
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  
P242-Use only non-sparking tools.

## SAFETY DATA SHEET

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.
VM&P NAPHTHA	64742-89-8	15% - 20%
OSHA Z1 TWA 500 PPM OSHA Z1 TWA 2,000 mg/m3 OSHA P0 TWA 400 PPM OSHA P0 TWA 1,600 mg/m3 LD 50 ORAL >5000 mg/kg (rat) LD50 DERMAL >2000 mg/kg (rabbit) LC50 FISH 8.2 mg/l 96h EC50 ACQUATIC INVERTEBRES 4.5 mg/l 48h EC50 ALGAE 3.7 mg/l 96h		
TOLUENE	108-88-3	10% - 15%
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		
ISOBUTYL ACETATE	110-19-0	10% - 15%
ACGIH TLV TWA: - 150 ppm OSHA Z1 PEL TWA: 150 ppm OSHA PEL 700 mg/m3 NIOSH REL TWA 150 ppm NIOSH REL 700 mg/m3 LD50 DERMAL: >17,400 mg/kg (rabbit) LD50 ORAL 13,400 mg/kg (rat) LC50 FISH 101 mg/l 48hr LC50 DAPHNIA 250 mg/l 24hr		
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		
METHYL ETHYL KETONE	78-93-3	5% - 10%
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		

## SAFETY DATA SHEET

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		
ISOPROPANOL	67-63-0	0% - 5%
ACGIH TWA: 200 ppm		
ACGIH STEL: 400 ppm		
NOISH REL: 400 ppm		
NOISH REL: 980 mg/m3		
NOISH STEL: 500 ppm		
NOISH STEL: 1,225 mg/m3		
OSHA Z1 PEL: 400 ppm		
OSHA Z1 PEL: 980 mg/m3		
LC50 DAPHNIA 10,00 mg/l 24 hr		
LC50 INHALATION: 16000ppm 4hr (rat)		
LC50 FISH 5770-7450 mg/l 95hr		
LD50 ORAL RAT: 5,045 mg/kg		
LC50 INHALATION RAT: 16,000 ppm		
LD50 DERMAL RABBIT: 12,800 mg/kg		
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		
METHYL ALCOHOL	67-56-1	0% - 5%
OSHA PEL 200.000 ppm-TWA		
OSHA VPEL 200.000 ppm-TWA (Skin)		
OSHA VPEL 500.000 ppm-STEL (Skin)		
ACGIH TLV 200.000 ppm-TWA (Skin)		
ACHIH TLV 250.000 ppm-STEL (Skin)		
LC50 VAPORS 1600 ppm (rats)		
LD50 ORAL 1000.0 mg/kg (man)		
EC50 ALGAE 22,000.0 mg/l 96h		
FISH:Mortality LC50-Bluegill-15,400.0 mg/l-95h		
NOEC-Oryzias Latipes-7,900 mg/l-200h		
EC 50- Daphnia Magn ->10,000.00 MG/L-48h		
ACETONE	67-64-1	0% - 5%
ACGIH TLV (8-HOUR) 500 PPM		
ACGIH STEL 750 PPM		
NIOSH REL 250 PPM		
NIOSH REL 590 mg/m3		
OSHA Z1 PEL: 1000 PPM		
OSHA Z1 PEL 2,400 mg/m3		
OSHA NIC TWA 200 PPM		
OSHA NIC STEL 500 PPM		
LD50 DERMAL 20,000 mg/kg (Rabbit)		
LD50 ORAL 5800 m/kg (Rat)		
LC50 INHALATION 16000 PPM 4h Rat		
LD50 DERMAL 20,000 mg/kg RABBIT		
ETHYLENE GLYCOL	107-21-1	0% - 5%

## SAFETY DATA SHEET

OSHA TLV: 100 mg/m<sup>3</sup>  
LD50 DERMAL 10,626 mg/kg (rabbit)  
LD50 ORAL 4.7 mg/kg (rat)  
LC50 FISH 18,500mg/l 96hr  
EC50 DAPHNIA 74,000 mg/l 24hr

### 4. First Aid Measures

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**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

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**Flammable Properties:**

Flash Point (Degree F) .....: -4 F

Flash Point Method .....: CC

**Explosive Limits:**

Upper explosive limit: 36.0

Lower explosive limit: 0.9

**Hazardous Combustion Products:**

Carbon, Silicon, or 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.

Extinguish all nearby sources of ignition.

### 6. Accidental Release Measures

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**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.

**SAFETY DATA SHEET****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**

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**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**

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**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**

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**Flammability (solid, gas)....: Data not available**

## SAFETY DATA SHEET

Boiling Point .....: 133.F  
 Melting Point .....: Data not available  
 VOC.....: 715 grams/liter  
 Freezing Point .....: Data not available  
 Flash Point .....: -4 F  
 Vapor Pressure .....: Data not available  
 Vapor Density .....: Heavier than air.  
 Solubility in Water .....: Slightly Soluble  
 Density.....: 7.3 lb/gl  
 Evaporation Rate .....: Faster than n-Butyl Acetate.  
**Explosive Limits:**  
     Upper Explosive Limit .....: 36.0  
     Lower Explosive Limit .....: 0.9  
 Specific Gravity .....: .87669  
 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

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**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

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**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

Causes damage to organs

**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

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**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

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**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.

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**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**

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**U.S. Federal Regulations:**

**OSHA:**  
OSHA Regulated

**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.
VM&P NAPHTHA	64742-89-8	15% - 20%
TOLUENE	108-88-3	10% - 15%
ETHYL BENZENE	100-41-4	0% - 5%
METHYL ALCOHOL	67-56-1	0% - 5%
ETHYLENE GLYCOL	107-21-1	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**

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**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  
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