

# T.E.F. DRY P.T.F.E. LUBRICANT

80-723

HMIS RATING	
Health	2
Flammability	4
Reactivity	0

## MATERIAL SAFETY DATA SHEET

NFPA 704 RATING	
Health	2
Flammability	4
Reactivity	0
NFPA 30B LEVEL	
3	

KIMBALL-MIDWEST  
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### 1. PRODUCT IDENTIFICATION

PART NUMBER.....80-723  
PRODUCT NAME.....T.E.F. Dry P.T.F.E. Lubricant  
CHEMICAL FAMILY.....N/A  
DOT SHIPPING.....Consumer Commodity ORM-D

### 2. HAZARDOUS INGREDIENTS

SPECIFIC CHEMICAL IDENTITY, COMMON NAMES	OSHA PEL	ACGIH TLV	STEL	%
Propane/Isobutane/ N-Butane (68476-86-8)	800ppm	800ppm	-	55
*N-Hexane (110-54-3)	50ppm	50ppm	-	25
2-Propanone (67-64-1)	750ppm	750ppm	100ppm	25
*Xylene Isomers (1330-20-7)	100ppm	100ppm	150ppm	4

All chemical compounds marked with an asterisk (\*) are toxic chemicals subject to the reporting of Section 313 of Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372. You must notify each person to whom this mixture of trade name product is sold. This statement must not be detached. Any copy or redistribution of this Material Safety Data Sheet shall include this statement.

### 3. PHYSICAL DATA

BOILING POINT (RANGE).....-43° to 284°F  
VAPOR PRESSURE PSIG @ 70°F.....80-90  
VAPOR DENSITY (AIR = 1).....>1  
SOLUBILITY IN WATER.....Negligible  
SPECIFIC GRAVITY (H<sub>2</sub>O = 1).....0.6315  
MELTING/FREEZING POINT.....N/A  
EVAPORATION RATE (Water=1).....>1  
VOC content (by weight).....74.83%  
APPEARANCE AND ODOR.....White opaque/solvent

### 4. FIRE AND EXPLOSION DATA

FLASH POINT.....-156°F (PMCC)  
UPPER EXPLOSIVE LIMIT (%).....12.8  
LOWER EXPLOSIVE LIMIT (%).....1.0  
EXTINGUISHING MEDIA.....Dry chemical, CO<sub>2</sub>, water fog  
SPECIAL FIREFIGHTING PROCEDURES.....Firefighters should wear NIOSH approved positive pressure self-contained breathing apparatus

FIRE AND EXPLOSION HAZARDS.....Vapors can travel to a source of ignition and flash back. "Empty" containers retain product residue and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition; they may explode and cause injury or death. Empty drums should be completely drained, properly bunged and promptly returned to a drum reconditioner, or properly disposed of.

### 5. HEALTH EFFECTS DATA

#### SHORT TERM EFFECTS OF EXPOSURE

ROUTE OF ENTRY.....Skin, Ingestion, Eyes, Inhalation  
HEALTH HAZARDS (ACUTE AND CHRONIC).....Overexposure may damage nervous system, liver, lungs, and kidneys.  
EYE CONTACT.....Irritating. Can cause pain, tearing, reddening and swelling with stinging sensation and feeling of fine dust in eyes.  
SKIN CONTACT.....May cause defatting and drying of skin which may result in irritation and dermatitis.  
INHALATION.....Harmful if inhaled. Headaches, dizziness, nausea, hypotension, changes in heart rate and cyanosis may result.  
INGESTION.....May be harmful or fatal if swallowed. May cause severe and permanent damage to mouth, throat and stomach.

### 5. HEALTH EFFECTS DATA (CONT'D)

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE.....Heart disease; respiratory disorders

#### FIRST AID PROCEDURES

EYES.....Flush with water for at least 15 minutes  
SKIN CONTACT.....Wash with soap, large volumes of water, obtain medical attention  
INGESTION.....Do not induce vomiting; keep individual calm; obtain medical attention; give victim 1-2 glasses of water or milk.  
INHALATION.....Remove to fresh air, obtain medical attention

#### SPECIAL HEALTH EFFECTS

CARCINOGEN (OSHA Guidelines).....This product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

### 6. REACTIVITY

STABILITY.....Stable  
INCOMPATIBILITIES.....Strong Acids, Alkalis, Oxidizers and amines. Avoid all sources of ignition, welding arcs, and open flames.

HAZARDOUS DECOMPOSITION PRODUCTS.....Oxides of carbon, oxides of nitrogen, may produce forms of fluorine, chloride and phosgene.

HAZARDOUS POLYMERIZATION.....Will not occur

HAZARDOUS POLYMERIZATION

CONDITIONS.....None known

### 7. PRECAUTIONS FOR SAFE HANDLING & USE

PROTECTIVE EQUIPMENT REQUIREMENTS.....Safety glasses; ventilation sufficient to maintain vapor concentrations below TLV.

WASH REQUIREMENTS.....Wash with soap and water

SPILL OR LEAK PROCEDURES.....Use absorbent sweeping compound to soak up material, put into container, dispose as hazardous waste

WASTE DISPOSAL METHODS.....Dispose as hazardous waste in accordance with EPA RCRA

HANDLING & STORAGE.....Store below 120°F; keep away from heat, sparks, or open flame

OTHER PRECAUTIONS.....When spraying more than one half can consecutively, use NIOSH approved respirator

### 8. ADDITIONAL INFORMATION

Use self-contained breathing apparatus if TLV limits are exceeded. Do not eat or smoke while using. Wash hands after use.

THE INFORMATION GIVEN AND THE RECOMMENDATIONS MADE HEREIN APPLY TO OUR PRODUCT(S) ALONE AND ARE NOT COMBINED WITH OTHER PRODUCTS. SUCH INFORMATION IS BASED UPON OUR RESEARCH AND ON DATA FROM OTHER RELIABLE SOURCES AND IS BELIEVED TO BE ACCURATE. NO GUARANTEE OF ACCURACY IS MADE. IT IS THE PURCHASER'S RESPONSIBILITY BEFORE USING ANY PRODUCT TO VERIFY THIS DATA UNDER THEIR OWN OPERATING CONDITIONS AND TO DETERMINE WHETHER THE PRODUCT IS SUITABLE FOR THEIR PURPOSES.

# KIMBALL MIDWEST

Specializing in Materials Management since 1923