

80-1073

## TRI-FLOW LUBRICANT - AEROSOL

HMIS RATING	
Health	2
Flammability	4
Reactivity	0

MATERIAL SAFETY  
DATA SHEET

NFPA 704 RATING	
Health	2
Flammability	4
Reactivity	0
NFPA 308 LEVEL	
3	

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**1. PRODUCT IDENTIFICATION**

PART NUMBER.....80-1073  
PRODUCT NAME.....Tri-Flow Industrial Lubricant with Teflon- 12  
oz. aerosol (TF20027)  
CHEMICAL FAMILY.....N/A  
DOT SHIPPING.....Limited Quantity (LQ)

**2. HAZARDOUS INGREDIENTS**

SPECIFIC CHEMICAL IDENTITY, COMMON NAMES	OSHA PEL	ACGIH TLV	STEL	%
Propane (74-98-6)	1000ppm	2500ppm	-	10
Butane (106-97-8)	800ppm	800ppm	-	10
Heavy Aliphatic Solvent (64742-96-7)	N/A	N/A	-	24
Heavy Naphthenic Petroleum Oil (64742-52-5)	5mg/m <sup>3</sup> †	5mg/m <sup>3</sup> †	-	41
Heavy Paraffinic Oil (64742-65-0)	5mg/m <sup>3</sup> †	5mg/m <sup>3</sup> †	-	3
2-Methoxymethylethoxypropanol (34590-94-8)	100ppm‡	100ppm‡	150ppm‡	2
Amyl Acetate (628-63-7)	100ppm	100ppm		2
Naphthenic Oil (64741-97-5)				2

† as dust, ‡ skin

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. (+=Non-Hazardous Component, listed for PA, NJ Right-to-Know)

**3. PHYSICAL DATA**

BOILING POINT (RANGE).....0 to 500°F  
VAPOR PRESSURE mmHg @ 77°F.....0.4  
VAPOR DENSITY (AIR = 1).....>1  
SOLUBILITY IN WATER.....N/A  
SPECIFIC GRAVITY (H<sub>2</sub>O = 1)......78  
MELTING/FREEZING POINT.....Not determined  
EVAPORATION RATE (Ether=1).....>1  
VOC content (by weight).....48.20%  
APPEARANCE AND ODOR.....Amber liquid/solvent odor

**4. FIRE AND EXPLOSION DATA**

FLASH POINT.....<0°F (TCC)(propellant)  
UPPER EXPLOSIVE LIMIT (%).....14.0  
LOWER EXPLOSIVE LIMIT (%).....0.6  
EXTINGUISHING MEDIA.....CO<sub>2</sub>, foam, dry chemical.  
SPECIAL FIREFIGHTING PROCEDURES.....Firefighters should wear NIOSH approved positive pressure self-contained breathing apparatus; use water fog to cool containers to prevent rupturing  
FIRE AND EXPLOSION HAZARDS.....Aerosols may explode if temperature exceeds 120°F  
NFPA FLAMMABILITY HAZARD.....4

**5. HEALTH EFFECTS DATA**SHORT TERM EFFECTS OF EXPOSURE

ROUTE OF ENTRY.....Skin, inhalation, eyes  
HEALTH HAZARDS (ACUTE AND CHRONIC).....May cause burning and irritation in eyes; causes defatting of skin; inhalation may cause breathing difficulties, headaches, dizziness, nausea, CNS depression. Reports have associated long term and prolonged exposure to solvents with permanent brain and CNS damage.  
SIGNS & SYMPTOMS OF EXPOSURE.....Headache, dizziness, nausea and loss of coordination are indications of excessive exposure to vapors or spray mists. Redness and itching or burning sensation may indicate eye or excessive skin exposure.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE.....None listed

**5. HEALTH EFFECTS DATA (CONTINUED)**FIRST AID PROCEDURES

SKIN CONTACT.....Wash affected area thoroughly with soap and water. Remove contaminated clothing.  
INGESTION.....Do not induce vomiting; obtain immediate medical attention  
INHALATION.....Remove to fresh air.  
EYES.....Flush with large amounts of water for at least 15 minutes; seek medical attention

SPECIAL HEALTH EFFECTS

CARCINOGEN (OSHA Guidelines).....Presently not on any lists.

**6. REACTIVITY**

STABILITY.....Stable  
INCOMPATIBILITIES.....Open flames and high temperatures, strong oxidizing agents  
HAZARDOUS DECOMPOSITION PRODUCTS.....CO, CO<sub>2</sub>  
HAZARDOUS POLYMERIZATION.....Will not occur  
HAZARDOUS POLYMERIZATION CONDITIONS.....None known. This product contains chemicals known to the State of California to cause cancer

**7. PRECAUTIONS FOR SAFE HANDLING & USE**

PROTECTIVE EQUIPMENT REQUIREMENTS.....Safety glasses; protective neoprene gloves; ventilation sufficient to maintain vapor concentrations below TLV; NIOSH approved respirator  
WASH REQUIREMENTS.....Wash with soap and water  
SPILL OR LEAK PROCEDURES.....Ventilate area and apply inert absorbent to pick up excess material  
WASTE DISPOSAL METHODS.....Dispose of in accordance with local, state, and federal regulations  
HANDLING & STORAGE.....Store below 120°F  
OTHER PRECAUTIONS.....Avoid prolonged skin contact and breathing of vapors. Deliberate concentration and inhalation of contents can be harmful or fatal. Keep out of reach of children.

**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*