

**MATERIAL SAFETY DATA SHEET**

Dear Customer,

You are probably aware of recent developments regarding worker "Right-to-Know" laws and the OSHA Hazard Communication Standard. While these laws and the OSHA Standard have numerous requirements, the development of a Material Safety Data Sheet and its dissemination to the purchaser of the chemical product are among the principal means of achieving an effective hazard communication program and of satisfying the "Right-to-Know" need. For the MSDS to serve its purpose as an effective means of hazard communication, the information contained therein must be passed along to all those who handle or use the product and/or are involved with the design, implementation of control of operations involving the product. We strongly urge you to forward the MSDS to all parties who have a need for the information contained therein.

**"EMPTY" CONTAINER WARNING**

"Empty" containers retain residue (liquid and/or vapor) and can be dangerous. **DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH.** All precautions detailed on the container label applies to partially full or "Empty" containers. Do not attempt to clean since residue is difficult to remove. "Empty" drums should be completely drained, properly closed and promptly returned to a drum reconditioner to be commercially cleaned. All other containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations. For work on tanks refer to Occupational Safety and Health Administration regulations, ANSI Z49.1, and other governmental and industrial references pertaining to cleaning, repairing, welding, or other contemplated operations.

When a Lubricating Specialties Company product is resold in the original container with an original label, the reseller has the responsibility for ensuring that the proper Material Safety Data Sheet is provided to its purchaser.

Although the information and recommendations set forth herein (hereinafter "Information") are presented in good faith and believed to be correct as of the date hereof, Lubricating Specialties Company makes no representations as to the completeness or accuracy thereof. Information is supplied upon the condition that the persons receiving same will make their own determination as to its safety and suitability for their purposes prior to use. In no event will Lubricating Specialties Company be responsible for damages of any nature whatsoever resulting from the use or reliance upon information. **NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESSED OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OF ANY OTHER NATURE ARE MADE HEREUNDER WITH RESPECT TO INFORMATION OR THE PRODUCT TO WHICH THE INFORMATION REFERS.**

(This MSDS complies with 29CFR 1910.1200)

# Material Safety Data Sheet

CODE:19001

Revised: 04/21/03

## SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

TECHNOLUBE PRODUCTS DIVISION  
LUBRICATING SPECIALTIES COMPANY  
8015 PARAMOUNT BLVD.  
PICO RIVERA, CA 90660

PHONE NUMBERS:  
Business hours: (562) 776-4000  
24 hours: Chemtrec: (800) 424-9300  
General MSDS: (562) 776-4000

Product Name: **Mil-PRF-5606H Hydraulic Fluid** MLB-01-04  
Chemical Name: Oil, n.o.s. CAS No. Mixture  
Common Name: Hydraulic Fluid

## SECTION 2 COMPOSITION/INFORMATION ON INGREDIENTS

COMMON NAME	CHEMICAL NAME	CAS NO.	%
Solvent Refined Base Stock		64742-46-7	<85
Acrylic Copolymer		68171-50-6	<15
Butylated triphenyl phosphate		115-86-6	<1
Phenolic Antioxidant (BHT)		128-37-0	<0.5
Contains no other ingredients now known to be hazardous as defined by OSHA 29 CFR 1910.1000(z)			

## SECTION 3 HAZARD IDENTIFICATION

**Principle Hazards:** Combustible Liquid  
Prolonged or repeated skin contact may cause dermatitis.  
See section 11 for complete health hazard information.

**Threshold Limits:** The PEL (OSHA) and the TLV (ACGIH) is 5 mg/m3 for oil mists.

### Primary Routes of Exposure:

**EYE** May cause eye irritation if splashed into eyes.

**SKIN** Repeated or prolonged contact with skin may cause irritation which may lead to various skin disorders. Avoid prolonged skin contact.

**INHALATION** Inhalation of vapor or oil mist from this product may cause mild irritation of the respiratory system. Use in well ventilated areas.

**ORAL** Ingestion may cause nausea, diarrhea and stomach discomfort.

## SECTION 4 FIRST AID MEASURES

**ORAL** DO NOT INDUCE VOMITING. If conscious, give 2 glasses of water. Get immediate medical attention.

**EYE** Flush with water at least 15 minutes. Get medical attention if eye irritation develops or persists.

**SKIN** Wash immediately with soap and water. Remove soiled clothing. Get medical attention if irritation develops. Launder contaminated clothing.

**INHALATION** Remove exposed person to fresh air. If breathing is labored, administer oxygen and obtain immediate medical attention. If irritation persists or if toxic symptoms are observed, get medical attention.

**SECTION 5 FIRE FIGHTING MEASURES**

FLASH POINT: >82° C (PMCC)

Slightly combustible. May release flammable vapors when heated above flash point.

EXTINGUISHING MEDIA Carbon Dioxide, dry chemical, or foam. Avoid using water.

HAZARDOUS EXPOSURE Carbon monoxide and asphyxiants.

SPECIAL FIRE PROCEDURES Recommend SCBA. Use water only for cooling container. Water may cause splattering, or transport the flame.

**SECTION 6 ACCIDENTAL RELEASE MEASURES**

Evacuate all non-essential personnel. Personal Protective Equipment must be worn, see PPE section 8 & 16. Remove sources of ignition. Prevent entry into sewers and waterways. Contain release, pick up free liquid for recycling or disposal. Residual liquid can be absorbed with inert material. Check DOT/CERCLA and other agencies for reporting requirements.

Prevent contamination to soil, waterway and sewer systems.

**SECTION 7 HANDLING AND STORAGE**

HANDLING Avoid prolonged skin contact, breathing vapors, and contaminated clothing. Use with adequate ventilation. Wear recommended protective equipment. Practice good personal hygiene after handling. Empty containers retain material residue. Do not cut, weld, braze, solder or expose containers to other ignition sources.

STORAGE Store in closed containers of proper construction. Store away from ignition sources and in areas of good ventilation.

**SECTION 8 EXPOSURE CONTROLS - PERSONAL PROTECTION**

EXPOSURE LIMITS TLV = 5 mg/m<sup>3</sup> as oil mist

VENTILATION Use in areas of adequate ventilation. Use mechanical exhaust to control vapors or mists.

GLOVES Use nitrile or neoprene gloves are recommended.

EYE PROTECTION Safety glasses, goggles, or face shield are recommended.

RESPIRATORY Use NIOSH/MSHA approved respirator with organic vapor cartridge and dust/mist cartridge is recommended exposure limit is exceeded. Self-contained breathing apparatus is recommended for confined space entry.

CLOTHING Long sleeve shirt and apron when potential for skin contact. Wear neoprene or nitrile rubber boots when necessary to avoid contaminating shoes.

**SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE:	red oily liquid	Ph:	n/d
BOILING POINT:	>175° C	SOLUBILITY:	negligible
EVAPORATION POINT:	less than ether	SPECIFIC GRAVITY:	0.868
FLAMMABILITY:	combustible liquid	VAPOR DENSITY:	heavier than air
FLASH POINT:	>82° C (182° F)	VAPOR PRESSURE:	<0.01mm Hg @ 20° C
ODOR:	petroleum	VOC, %:	NIL

**SECTION 10 STABILITY AND REACTIVITY**

**STABILITY** Material is normally stable at ambient temperature and pressure.

**CONDITIONS TO AVOID** Oxidizing agents. Do not heat above the flash point.

**POLYMERIZATION** Will not occur.

**DECOMPOSITION** Carbon dioxide, carbon monoxide.

**SECTION 11 TOXICOLOGICAL INFORMATION**

**ORAL TOXICITY** Swallowing material may cause irritation of the gastrointestinal lining, nausea, vomiting, diarrhea, and abdominal pain.

**EYE IRRITATION** Not expected to cause eye irritation.

**SKIN IRRITATION** Not expected to be a primary skin irritant. Prolonged or repetitive contact may cause irritation.

**CARCINOGENIC** This material has not been identified as a carcinogen by NTP, IARC, or OSHA.

**SECTION 12 ECOLOGICAL INFORMATION**

This material is expected to have adverse affects on marine and plant life. Spills may contaminate drinking water.

**SECTION 13 DISPOSAL CONSIDERATIONS**

**DISPOSAL** Consult federal, state, and local regulations regarding disposal methods, Recycle used oil. Do not contaminate used oil with solvents or other chemicals.

**SECTION 14 TRANSPORTATION INFORMATION**

See 49 CFR part 171.8 through 178.510

**DOT SHIPPING NAME:** Oil, n.o.s.

**DOT HAZARD CLASS:** Not regulated

**UN/NA NUMBER:** NA 1270

**GUIDE NUMBER:** 27

**IMDG CODE:**

Materials classified as DOT Combustible Liquids (Flash Point > 141° F and < 200° F) are not regulated by DOT in containers of 110 gallons, or less for domestic shipments.

**SECTION 15 REGULATORY INFORMATION**

TSCA	All components of this material are on the US TSCA inventory.
SARA 311	
SARA 312	
SARA 313	Some components are listed
CAL PROP 65	not listed
RCRA	not listed
CERCLA	listed

**SECTION 16 OTHER INFORMATION**

	<u>Health</u>		<u>Fire</u>		<u>Reactivity</u>
HMIS CODE:	1	1			0
NFPA CODE:	1	1			0

PRECAUTIONARY LABELS: NA

This information has been compiled from sources considered to be dependable and is accurate to the best of Lubricating Specialties Company knowledge. Lubricating Specialties Company makes no warranty whatsoever, expressed or implied, of MERCHANTABILITY OR FITNESS FOR THE PARTICULAR PURPOSE, regarding the accuracy of such data or the results to be obtained from the use thereof. Lubricating Specialties Company assumes no responsibility for injury to recipient or third persons, or for any damage to any property and recipient assumes all such risks.

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