

H1TMP209508 LFK INDUSTRIES, INC - 59091 VACUUM PUMP OIL

=====

MATERIAL SAFETY DATA SHEET

Revised: 12/01/99 MSDS ID: 59091 LFK Industries, Inc. Page 1

=====

Section 1 - PRODUCT AND COMPANY IDENTIFICATION

=====

Product Name: 59091 Vacuum Pump Oil

MANUFACTURER:

LFK Industries, Inc.

519 Gibson St.

Seagoville, TX 76016

Telephone Number:

972-287-1200

=====

Section 2 - HAZARDOUS INGREDIENTS

=====

Case Number: 64741-88-4, 19210-06-1, 68457-79-4

SHA Hazardous Components: 29 CFR 1910.1200

=====

Section 3 - HAZARDS IDENTIFICATION

=====

EMERGENCY OVERVIEW:

*** Eye and skin irritant. Harmful if swallowed.

Potential Health Effects

Eyes: Eye irritation develops immediately on contact.

Skin: Causes mild skin irritation.

Ingestion: Causes irritation of mouth and stomach. May cause nausea, vomiting.

Inhalation: Unlikely.

Chronic: None established.

Carcinogen listed by: National Toxicology Program (No)

I.A.R.C. (No)

OSHA (No)

=====

Section 4 - FIRST AID MEASURES

=====

Eyes: Flush eyes immediately with water for at least 15 minutes or until irritation subsides. If irritation persists, consult a physician.

Skin: Wash thoroughly with soap and water. Remove contaminated clothing and wash before reuse. If irritation or rash develops, obtain medical assistance.

Ingestion: DO Not induce vomiting. Get emergency medical attention. If spontaneous vomiting occurs, keep head below hips. Aspiration of even small amounts of vomit into lungs may result in aspiration pneumonitis.

Inhalation: Remove patient to fresh air and consult a physician. If breathing is difficult, give oxygen. If not breathing give artificial respiration.

Section 5 - FIRE FIGHTING MEASURES

Flammable Properties:

Flash Point: 424 degrees F

Lower Exposure Limit (%): Not determined.

Upper Exposure Limit (%): Not determined.

Fire and Explosion Hazards: Slightly combustible. OSH/NFPA Class IIIB Combustible Liquid. If heated above its flash point will release flammable vapors which can burn in the open or be explosive in confined spaces if exposed to ignition source. Mist or sprays may be flammable below oil's normal flash point. Keep away from extreme heat or open flame.

Extinguishing Media: Dry chemical, Carbon Dioxide, water fog and foam.

Note: Water, for and foam may cause frothing and spattering.

Fire Fighting Instructions: Use water to cool containers exposed to flames. Do not enter enclosed or a confined work space without proper protection equipment. Fire fighting personnel should wear respiratory protection (positive pressure if available). Products of combustion includes acid smoke, CO2 and toxic fumes of SOX, ZNO, POX

=====

Section 6 - ACCIDENTAL RELEASE MEASURES

=====

Shut off ignition source. Contain spill and keep from entering waterways or sewers. Use personal protective equipment. Advise EPA; state agency if required. Absorb on inert material. Shovel, sweep or vacuum spill.

=====

Section 7 - HANDLING AND STORAGE

=====

Handling and Storage precautions: Avoid contact with skin, eyes and clothing. After handling this product, wash hands before eating, drinking, or smoking. If contact occurs, remove contaminated clothing. If needed take first aid action shone in section 4. Launder contaminated clothing before reuse. Store in cool place away from ignition sources. Store away from oxidizers.

Work/Hygienic Practices: Wash hands with soap and water before eating, drinking, smoking or use of toilet facilities. Do not use gasoline, solvents, kerosene, or harsh abrasive skin cleaners for washing exposed skin areas. Take a shower after work if general contact occurs. Remove oil-soaked clothing and launder before reuse. Launder or discard contaminated shoes and leather gloves.

Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: Use adequate ventilation to keep oil mists of this material below applicable standard(s).

Eye/Face Protection: Safety glasses or splash goggles. Have suitable eye wash water available.

Skin Protection: Avoid prolong and/or repeated skin contact. If prolonged contact cannot be avoided, wear protection impervious gloves and clothing. Acceptable materials for gloves are polyvinyl chloride; neoprene; nitrile; polyvinyl alcohol; viton.

Respiratory Protection: Normally not required if adequate ventilation. If occupational exposure limits are exceeded wear NIOSH/MSHA apparatus.

Other/General Protection: If there is a likelihood of splashing, an oil resistant clothing should be worn. Never wear oil soaked clothing. Launder or dry clean before wearing. Discard oil soaked shoes.

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Light amber liquid.

Odor: Light bland petroleum.

Odor Threshold: N.D.

Basic Physical Properties:

Physical State: Liquid

Boiling Point: 221 degrees C

Melting Point: N/A degrees F N/A degrees C

Vapor Pressure: ND

Vapor Density: (Air=1):ND

Specific Gravity: .88 Water=1

Solubility (H2O): negligible in water

Percent Volatile: nil

Evaporation Rate: (BuAc=1): ND

Viscosity: 330 SUC at 100 degrees F

MATERIAL SAFETY DATA SHEET

Section 10 - STABILITY AND REACTIVITY

Stability: Stable.

Condition to Avoid (stability): Sources of ignition

Incompatible Materials: Strong oxidizers.

Hazardous decomposition Products: Combustion may produce CO, CO2, Toxic fumes of ZNO, POX, SOX

Hazardous polymerization: Will not occur.

Section 11 - TOXICOLOGICAL INFORMATION

Acute Studies: Test on similar materials show a low order of acute oral and dermal toxicity.

LDLo: 2130 mg/kg (oral-rat)

Section 12 - ECOLOGICAL INFORMATION

Cab accumulate in some organisms but is not considered to be bio concentrative.

Section 13 - DISPOSAL CONSIDERATIONS

Follow federal, state and local regulation. Not a RCRA hazardous waste if uncontaminated. If "used", RCRA Criteria must be determined. Do not flush to drain/storm sewer. Contract to authorized disposal service. If permitted incineration may be practical. Recommend recycling.

RCRA Information: Not a RCRA hazardous waste if uncontaminated.

Section 14 - TRANSPORT INFORMATION

Proper Shipping Name: Not regulated by DOT.

Hazard Class: Not applicable.

DOT Identification Number: N/A

DOT Shipping Label: Not regulated by DOT

MATERIAL SAFETY DATA SHEET

Revised: 12/01/99

MSDS ID: 59091 LFK Industries, Inc. Page 5

Section 15 - REGULATORY INFORMATION

EPA/TSCA Inventory: The components of this product are listed on the EPA/TSCA inventory chemicals.

EPA Hazard Classification Code: Not Applicable.

Comprehensive Environmental Response, Compensation and Liability Act (CERCLA): No chemicals in this product are subject to the reporting requirements of CERCLA.

SARA Title III - Section 313 Supplier Notification: No chemicals in this product exceed the DeMinimus reporting level established by SARA Title III, Sec. 313 and 40 CFR 372.

California Proposition 65 Warning: This product contains mineral oil, a chemical to the state of California to cause cancer.

Section 16 - OTHER INFORMATION

NFPA Hazard Rating - Health	1
- Fire	1
- Reactivity	0

Disclaimer of Expressed and Implied Warranties: The information contained herein is based upon data believed to be reliable and reflects our best professional judgement. Although reasonable care has been taken in the preparation of the document, we extend no warranties and make no representation as to the accuracy or completeness of the information contained therein and assume no responsibility regarding the suitability of this information for the user's intended purpose or for the consequence of its use. Each individual should make a determination as to the suitability of the information for his/her particular purpose(s).