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EMERGENCY: INFOTRAC 1-800-535-5053 24 HOURS/DAY, 7 DAYS/WEEK

This MSDS Complies With 29 CFR 1910.1200 (The Hazard Communication Standard)

SECTION I – IDENTIFICATION

Product Name: Flamex

Chemical Identification: Invert Emulsion Hydraulic Fluid

CAS #: Mixture

SECTION II – INGREDIENTS AND HAZARD CLASSIFICATION

<u>Component</u>	<u>CAS No:</u>	<u>Wt%:</u>	<u>OSHA PEL TWA:</u>
Alkylphenol	74499-35-7	0.1 – 0.9	NE
Petroleum Distillate	64741-88-4	45 – 55	5 mg/m3 (oil mist)

NE = Not Established

SECTION III – PHYSICAL DATA

Boiling Point: No Data

Freezing Point: 32°F

Vapor Pressure (mm Hg at 20 °C): <1

Specific Gravity: 0.93

Bulk Density: 7.71 lbs/gal

Appearance: Milky white liquid

Solubility in water (by weight %): Insoluble

Vapor Density (air = 1): >1

pH (as is): N/A

Viscosity cSt @ 100°C: ~20

Viscosity cSt @ 40°C: ~140

SECTION IV – FIRE AND EXPLOSION DATA

Flash Point: Not Applicable

Extinguishing Agents: Dry chemical, carbon dioxide, foam, or water spray is recommended. Water or foam may cause frothing of materials heated above 212°F.

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SECTION V – REACTIVITY DATA

Stability: Stable under normal conditions.

Conditions to Avoid: Extended exposure to high temperatures can cause decomposition.

Hazardous Decomposition Products: Combustion can yield carbon, nitrogen, and sulfur oxides.

Hazardous Polymerization: Will not occur.

Materials to Avoid: Avoid contact with strong oxidizing agents.

SECTION VI – HEALTH HAZARD INFORMATION

Eye: Not expected to cause eye irritation.

Skin: Not expected to be a primary skin irritant.

Inhalation: Low degree of toxicity by inhalation.

Ingestion: The LD50 for rats is >5,000 mg/kg. Based on similar materials.

Effects of Overexposure: No Data

FIRST AID:

Skin: Wipe material from skin and remove contaminated shoes or clothing. Cleanse affected area thoroughly by washing with mild soap and water and, if necessary, a waterless skin cleanser. If irritation or redness develops and persists, seek medical attention.

Eyes: Move victim away from exposure and into fresh air. If irritation or redness develops, flush eyes with clean water and seek medical attention. For direct contact, hold eyelids apart and flush the affected eye with clean water for at least 15 minutes. Seek medical attention.

Ingested: If swallowed, seek medical attention. If victim is drowsy or unconscious and vomiting, place on the left side with the head down and do not give anything by mouth. If victim is conscious and alert and ingestion occurred within the last hour, vomiting should be induced for ingestions of large amounts (more than 5 ounces in an adult) preferably under the direction from a physician or poison center. If possible, do not leave victim unattended and observe closely for adequacy of breathing.

Inhaled: If respiratory symptoms develop, move victim away from source of exposure and into fresh air. If symptoms persist, seek medical attention. If victim is not breathing, clear airway and immediately begin artificial respiration. If breathing difficulties develop, oxygen should be administered by qualified personnel.

SECTION VII- PRECAUTIONS FOR SAFE HANDLING AND USE

Engineering Controls: If current ventilation practices are not adequate to maintain airborne concentrations below the established limits (See Section 2), additional engineering controls may be required.

Respiratory Protection: A NIOSH certified air purifying respirator with a Type 95 (R or P) particulate filter may be used under conditions where airborne concentrations are expected to exceed exposure limits (see Section 2).

Skin: The use of gloves impervious to the specific material handled is advised to prevent skin contact and possible irritation.

Eye/Face: Approved eye protection to safeguard against potential eye contact, irritation, or injury is recommended. Depending on conditions of use, a face shield may be necessary.

Other Protective Equipment: Eye wash and quick-drench shower facilities should be available in the work area.

SECTION VIII – CONTROL MEASURES

This material may burn, but will not ignite readily. Keep all sources of ignition away from spill/release.

Stay upwind and away from spill/release. Notify persons downwind of the spill/release, isolate immediate hazard area and keep unauthorized personnel out. Stop spill/release if it can be done with minimal risk. Wear appropriate protective equipment including respiratory protection as conditions warrant.

Prevent spilled material from entering sewers, storm drains, other unauthorized drainage systems, and natural waterways. Dike far ahead of spill for later recovery or disposal. Spilled material may be absorbed into an appropriate absorbent material. Notify appropriate federal, state, and local agencies. Immediate cleanup of any spill is recommended.

SECTION IX – TRANSPORTATION INFORMATION

Dot Hazard Classification: Not Regulated

Reportable Quantity: Not Regulated

SECTION X – REGULATORY INFORMATION

EPA SARA 311/312 (Title III Hazard Categories)

Acute Health:	No	Pressure Hazard:	No
Chronic Health:	Yes	Reactive Hazard:	No
Fire Hazard:	No		

SARA – Section 313 and 40 CFR 372:

This material contains no chemicals subject to the reporting requirements of SARA 313 and 40 CFR 372:

CERCLA/SARA – Section 302 Extremely Hazardous Substances and TPOs (in pounds):

This material contains no chemicals subject to the reporting requirements of SARA 302 and 40 CFR 372

California Proposition 65:

This material contains no chemicals which are known to the State of California to cause cancer, birth defects or other reproductive harm.

Carcinogen Identification:

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

TSCA:

All components are listed on the TSCA inventory.

SECTION XI – SPECIAL PRECAUTIONS

Prepared By: Mark D. Latunski

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Date Prepared: 04/10/2007

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