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ENERPAC CUST SERING DEPT

001/003

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MATERIAL SAFETY DATA SHEET**PRODUCT NAME:** Enerpac HF Hydraulic Oil**STOCK NUMBER:** HF100, 101, 102, 104, CM40885**Distributor:**

Enerpac

720 West James Street

Columbus, WI 53925

Information Telephone: (920)-623-5280

Date Issued: 03-04-05

Supersedes: 03-01-04

Emergency Telephone: (920)-623-5280

| <u>MATERIAL</u> | <u>CAS#</u> | <u>% BY WEIGHT</u> |
|--|-------------|--------------------|
| Lubricating Oil, Petroleum, Hydrotreated Paraffinic | 64742-58-1 | > 99% |
| Additive | Proprietary | < 1% |

SECTION 1 -- HAZARDOUS INGREDIENTS

This material does not contain any chemical listed as a carcinogen or potential carcinogen by OSHA, IARC Monographs or National Toxicology Program.

SECTION 2 -- FIRE AND EXPLOSION HAZARDS

FLASH POINT: 376 degrees F

LOWER & UPPER FLAMMABLE LIMIT: N/A

EXTINGUISHING MEDIA: CO2, dry chemical, foam, water spray, water fog.

FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus with a full-face piece. Avoid breathing fumes.

UNUSUAL FIRE & EXPLOSION HAZARDS: Toxic fumes may be evolved on burning or exposure to heat. Pressure may increase in overheat closed containers. Not sensitive to mechanical impact or static discharge.

SECTION 3 -- HEALTH HAZARD DATA

ORAL TOXICITY: Greater than 5000 mg/kg in rats. Based on data from components.

EYE IRRITATION: Not expected to cause eye irritation. Based on data from components.

SKIN IRRITATION: Not expected to cause skin irritation. Based on data from components.

TLV: None established. Oil mist = 5 mg/cu meter.

****EMERGENCY FIRST AID PROCEDURES****

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Date 9-25

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From M. K. S. B.

| | |
|---------------------------|-----------------------|
| To <i>11/10/2009</i> | Co. <i>11/10/2009</i> |
| Co./Dept. | Phone # |
| Phone # | Fax # |
| Fax # <i>815-877-1954</i> | |

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SKIN: Wash skin thoroughly with soap and water. Get medical attention if irritation develops. Launder contaminated clothing before reuse. If product is injected under pressure into or under the skin; or into any part of the body; regardless of the appearance of the wound or its size, a physician should immediately evaluate the individual.

EYES: Flush eyes with plenty of water for 15 minutes. Get medical attention if eye irritation develops or persists.

INHALATION: Remove to fresh air. Get medical attention if breathing difficulty persists.

ORAL: Call a physician. Do NOT induce vomiting. Never give anything to an unconscious person by mouth.

SECTION 4 -- SPECIAL PROTECTION INFORMATION

VENTILATION PROCEDURE: Mechanical ventilation recommended.

EYE PROTECTION: Safety glasses recommended.

GLOVES PROTECTION: Neoprene or Nitrile rubber gloves recommended.

RESPIRATORY: Normally not required. Mask or respiratory for mist.

HYGIENE: Use good personal hygiene. Wash thoroughly with soap and water after handling and before eating, drinking or using tobacco products. Clean contaminated clothing, shoes and protective equipment before reuse.

SECTION 5 -- PHYSICAL DATA

VAPOR PRESSURE: Less than 0.01 mm Hg @ 20 degrees C

SPECIFIC GRAVITY: .875 approx. (water=1)

DENSITY: 7.3 LB/Gal.

PERCENT VOLATILE: Negligible

EVAPORATION RATE: Not Available

APPEARANCE: Blue liquid

pH: Not applicable

WATER SOLUBILITY: Insoluble

VAPOR DENSITY: Not available

ODOR: Mild Petroleum, oil.

SECTION 6 -- STABILITY

STABILITY: Stable

INCOMPATIBILITY: Avoid oxidizing agents.

POLYMERIZATION: Will not occur.

THERMAL DECOMPOSITION: Oxides of carbon.

SECTION 7 -- SPILL OR LEAK PROCEDURES

SPILL PROCEDURES: Prevent entry into sewers and waterways. Pick up free liquid for recycle/disposal. Absorb small amounts of inert material for disposal.

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WASTE DISPOSAL: Disposal should be in compliance with current federal, state, and local laws. Materials may become hazardous waste through use. Consider recycling.

SECTION 8 -- TRANSPORTATION AND LABELING

DOT SHIPPING: Not Regulated

DOT ID NUMBER: None

EPA HAZARDOUS SUBSTANCES: None

PRECAUTIONARY LABELS: In compliance with hazard and right-to-know requirements where applicable.

DOT HAZARD CLASS: Not Regulated

SECTION 9 -- SPECIAL PRECAUTIONS

NFPA CODE: HEALTH: 1 FIRE: 1 REACTIVITY: 0

SPECIAL PRECAUTIONS: Keep containers closed when not in use. Do not handle or store near high heat or flames. Avoid breathing oil mists, wash skin thoroughly with soap and water after handling.

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