

# 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:** 02-05-07

Supercedes: 03-01-04

Emergency Telephone: (877)777-2486

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

**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 mists.

**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.

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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