

MATERIAL SAFETY DATA SHEET

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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: 40 Non-Detergent

Chemical Name:

Chemical Family: Hydraulic Oil

Manufacturer: Scot Lubricants of PA
1801 E. Tremont Street
P.O. Box 326
Allentown, PA 18105

Emergency Telephone Numbers:

Information: 610-433-2527- 8am-5pm EST M-F
Chemtrec : 800-424-9300

2. COMPOSITION/INFORMATION ON INGREDIENTS

EXPOSURE GUIDELINES			OSHA		ACGIH		
Component/CAS Number	LO%	HI%	TWA	STEL	TWA	STEL	UNIT
LIMITS FOR THE PRODUCT			5		5		MG/M3
ADDITIVE MIXTURE CONTAINING COMPOUNDS OF CA, ZN, S, AND P.							
		1.00%					
DEFOAMER		50 PPM					
ORGANIC ZINC COMPOUND(S) MEASURED AS ZN							
	7440-66-6	.006%					
SOLVENT-DEWAXED RESIDUAL OIL (PETROLEUM)							
	64740-62-7	0 TO 34%					
SOLVENT-DEWAXED HEAVY PARAFFINIC DISTILLATE (PETROLEUM)							
	64742-65-0	65 TO 99%					
ADDITIONAL EXPOSURE LIMITS ----- GOVERNMENT REGULATION							
OTHER LIMIT – OIL MIST: 5MG/M3		OSHA PEL/ACGIH TLV					

3. HAZARD IDENTIFICATION

EMERGENCY OVERVIEW

MAY CAUSE SKIN IRRITATION

APPEARANCE: AMBER FLUID

ODOR: LUBE OIL ODOR

POTENTIAL HEALTH EFFECTS:

INHALATION: NO EFFECTS EXPECTED.

INGESTION: PRACTICALLY NON-TOXIC.

EYE CONTACT: EXPECTED TO BE MINOR EYE IRRITANT.

SKIN CONTACT: PRACTICALLY NON-TOXIC IF ABSORBED (LD50 > 2000 MG/KG). MAY CAUSE MODERATE IRRITATION WITH PROLONGED OR REPEATED CONTACT.

CARCINOGEN LISTED BY: IARC (N0) NTP (NO) OSHA (NO) ACGIH (NO) OTHER (NO)

NFPA/HMIS CLASSIFICATION

HEALTH – 0/0

FLAMMABILITY – 1/1

REACTIVITY – 0/0

HAZARD RATING

0= LEAST 1=SLIGHT

2=MODERATE 3=HIGH

4=EXTREME

Revision: 4/30/2007

NA=Not Applicable

ND=No Data

NE=Not Established

4. FIRST AID MEASURES

INHALATION: Move to fresh air.

EYE CONTACT: Flush with water for at least 15 minutes. If irritation persists, obtain medical assistance.

SKIN CONTACT: Wash with soap and water until no odor remains. If redness or swelling develops, obtain medical assistance. Wash clothing before reuse.

INGESTION: If large amounts of this material are ingested, give quantities of water, induce vomiting, and promptly obtain medical attention.

5. FIRE FIGHTING MEASURES

FLASHPOINT (METHOD): 420°F Minimum COC; 201°C Minimum COC

FLAMMABLE LIMITS: Not established

AUTO-IGNITION TEMP: 750°F Estimated; 359°C Estimated

EXTINGUISHING MEDIA: Water spray, dry chemical, carbon dioxide (CO₂), foam.

FIRE FIGHTING INSTRUCTIONS: Avoid breathing smoke and vapor.

FIRE FIGHTING EQUIPMENT: Wear self-contained breathing apparatus and protective clothing. Use water spray to keep fire-exposed containers cool

HAZARDOUS COMBUSTION PRODUCTS: Normal combustion forms carbon dioxide and water vapor; incomplete combustion can produce carbon monoxide.

6. ACCIDENTAL RELEASE MEASURES

SPILLS OR LEAKS: Contain spill, advise EPA, state agency, if required. Absorb on inert material, shovel, sweep or vacuum spill.

7. HANDLING AND STORAGE

NFPA Class IIIB Storage. Wash thoroughly after handling.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

VENTILATION: Ventilate as needed to comply with exposure limit. General dilution ventilation acceptable.

PERSONAL PROTECTIVE EQUIPMENT

EYE: Splash proof chemical goggles recommended to protect against splash of product.

GLOVES: Protective gloves recommended when prolonged skin contact cannot be avoided. The following glove materials are acceptable: polyvinyl chloride (PVC); neoprene; nitrile; polyvinyl alcohol; viton.

RESPIRATOR: None is needed under normal conditions with adequate ventilation. If exposure exceeds the control limits, respiratory protective equipment, which meets 29 CFR 1910.134 and is NIOSH/MSHA approved, must be worn.

OTHER: If contact is unavoidable, wear chemical resistant clothing. The following materials are acceptable as protective clothing materials: polyvinyl alcohol (PVA); polyvinyl chloride (PVC); neoprene; nitrile; viton; polyurethane; launder soiled clothes.

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9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE/ODOR: AMBER FLUID/SLIGHT ODOR.
VAPOR PRESSURE: <0.0001 (MM HG @ 20°C)
MOLECULAR WEIGHT: N/A (G/MOLE)
SOLUBILITY IN WATER: NIL (% BY VOLUME)
EVAPORATION RATE: 1000X SLOWER (ETHYL ETHER=1)
SPECIFIC GRAVITY: 0.86 (WATER=1)
VISCOSITY: 150 SUS @ 100°F 32 CST @ 40°C

BOILING POINT: HIGH
MELTING POINT: N/A
PACKING DENSITY: N/A
OCTANOL/WATER COEFF: N.D.
ODOR THRESHOLD: N.D.
VAPOR DENSITY: 10+ (AIR =1)

10. STABILITY AND REACTIVITY

STABILITY: Stable.
CONDITIONS TO AVOID: None known.
MATERIALS TO AVOID: Strong oxidizing agents.
HAZARDOUS POLYMERIZATION: Will not occur.
HAZARDOUS DECOMPOSITION: Combustion will produce carbon monoxide and asphyxiants.

11. TOXICOLOGICAL INFORMATION

FOR THE PRODUCT –

INHALATION: Low acute toxicity. **SKIN:** Practically non-toxic if absorbed. Mild irritation with prolonged or repeated contact. **EYE:** Mildly irritating on contact. **ORAL:** Small amounts practically non-toxic.

SEVERELY SOLVENT REFINED HEAVY PARAFFINIC PETROLEUM OIL: **INHALATION:** low acute toxicity. **SKIN:** practically non-toxic; if absorbed may cause moderate irritation with prolonged and repeated contact. **EYE:** minimally irritating on contact. **INGESTION:** Practically non-toxic if swallowed.

CALCIUM SULFONATE: **INHALATION/INGESTION:** No data available. **SKIN:** Moderate irritant. Cause allergic skin reaction in animals. **EYE:** Moderate to severe irritation.

BUTYLATED PHENOL: No data available for all routes of exposure.

ZINC DIALKYL DITHIOPHOSPHATE: **INHALATION:** Toxic hydrogen sulfide is generated when heated above 200 deg. F. This can cause central nervous system (brain) effects, nausea, dizziness, confusion, loss of sense of smell, muscle cramps, in coordination, unconsciousness, coma, respiratory failure, or death. **SKIN:** Prolonged or repeated contact may cause moderate irritation, redness, drying, cracking, and dermatitis. **EYE:** Irritant. **ORAL:** Harmful if swallowed.

ACRYLIC COPOLYMER: No data available for all routes of exposure.

2-ETHYLHEXANOL: **INHALATION:** Overexposure may cause nose, throat irritation, nasal discomfort and discharge, chest pain, cough, headache, nausea, vomiting. **SKIN:** Irritant. May cause corneal injury. **ORAL:** Moderately toxic. May cause abdominal discomfort, nausea, vomiting, and diarrhea.

12. ECOLOGICAL INFORMATION

ECOTOXICITY: No data available.

13. DISPOSAL INFORMATION

Follow federal, state and local regulations. Not RCRA hazardous waste if uncontaminated. If “used”, RCRA criteria (ignitability, reactivity corrosivity, toxicity characteristics) must be determined. Do not flush to drain/storm sewer. Contract to authorized disposal service.

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