



5353 Spring Grove Avenue, Cincinnati, OH 45217 USA 513-471-8770

Material Safety Data Sheet

Section 1 - Product Identification

Product Name: Pandora Series Hydraulic Oils ISO 10-460

Hazard Rating

	Health	Fire	Reactivity	
NFPA Code:	1	1	0	
0=Least	1=Slight	2=Moderate	3=High	4=Extreme

Section 2 - Hazardous Ingredients / Identity Information

Specific Identity; Common Names	OSHA PEL	ACGIH TLV	Other
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Proprietary Formula - Specific Chemical Identities Have Been Withheld

These products contain one or more of the following:

64742-01-4			
Residual oils, petroleum, solvent-refined	5 mg/m3 (mist)	5 mg/m3 (mist)	
64742-57-0			
Residual oils (petroleum), hydrotreated	5 mg/m3 (mist)	5 mg/m3 (mist)	
64742-62-7			
Residual oils (petroleum), solvent-dewaxed	5 mg/m3 (mist)	5 mg/m3 (mist)	
64742-65-0			
Petroleum Distillates, Solvent Dewaxed Heavy Para- ffinic (Severely refined paraffinic oil)	5mg/m3 (mist)	5mg/m3 (mist)	STEL 10mg/m3

Section 3 - Physical/Chemical Characteristics

Appearance	Yellow- Amber liquid
Boiling Point, Deg. F	Not Known
Evaporation, BuAcetate=1	Slower than
Odor	Mild
Solubility in water	Negligible
Vapor Density (Air=1)	Not Known
Vapor Pressure	Not Known
Pounds per Gallon	~7.7
Specific Gravity	~0.92

Section 4 - Fire and Explosion Hazard Data

Flash Point COC: >280F Flammable Limits: LEL-Not Known UEL-Not Known
 Extinguishing Media: Foam, dry chemical, water fog, carbon dioxide. Do not use a direct stream of water.
 Special Fire Fighting Procedures: Cool fire exposed containers with water. Do not enter a confined fire space without full bunker gear and NIOSH approved supplied air breathing apparatus.
 Unusual Fire and Explosion Hazards: Not Applicable

Section 5 - Reactivity Data

Stability - Stable.
 Incompatibility - Strong acids. Strong oxidizing agents.
 Hazardous Decomposition Products - Aldehydes. Hydrogen sulfide. Oxides of

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carbon. Oxides of nitrogen. Oxides of sulfur.

Hazardous Polymerization - Will not occur.

Other - Not Applicable.

Section 6 - Health Hazard Data

Routes of Entry: Inhalation-yes Skin-yes Ingestion-yes

Health Hazards :

Health hazards for components to this mixture are listed below:

(Acute and Chronic Overexposure)

Eyes - Moderate irritation. Redness.

Skin - Prolonged contact may cause mild irritation.

Prolonged and repeated contact can defat the skin which may result in dryness, dermatitis, and cracking of the skin.

Inhalation - Vapors may cause mild irritation.

Ingestion - Diarrhea. Gastrointestinal irritation. Nausea. Stomach discomfort. Vomiting. Pulmonary aspiration hazard if swallowed and vomiting occurs.

Signs And Symptoms of Exposure - As Noted Above.

Medical Conditions Generally Aggravated By Exposure - None Known.

Other Precautions - NA

Other - NA

Carcinogenicity NTP-No IARC-No OSHA-No

Emergency and First Aid Procedures:

Inhalation - remove to fresh air. If breathing is difficult, give oxygen.

If breathing is stopped, begin artificial respiration. Get medical attention.

Skin contact - wash skin thoroughly with soap and water. Remove and wash contaminated clothing before reuse. If product is injected into or under the skin, or into any part of the body, regardless of the appearance of the wound or its size, the individual should be evaluated immediately by a physician as a surgical emergency. Even though initial symptoms from high pressure injection may be minimal or absent, early surgical treatment within the first few hours may significantly reduce the ultimate extent of the injury.

Eye contact - flush with water for at least 15 minutes or until irritation subsides, get medical attention.

Ingestion - DO NOT induce vomiting; get medical attention immediately.

Section 7 - Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled:

Dike area. Recover free product. Add a dry absorbent material to spill area.

Waste Disposal Method: Dispose by methods consistent with local state and federal regulations.

Precautions to be Taken in Handling and Storing: Keep containers tightly closed. Use and store this product with adequate ventilation. Avoid inhalation of vapors and personal contact with the product. To dissipate static electricity during transfer, ground and/or bond both containers. Since emptied containers retain product residue, follow

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warnings even after container is emptied. Residue or vapors may ignite; do not cut, drill, grind or weld on or near container even when empty.

Other Precautions:

Not Applicable

Section 8 - Control Measures

Respiratory Protection: Not normally required. Use NIOSH approved supplied air breathing equipment if vapors are excessive.

Ventilation: Local Exhaust : Not normally required.

Mechanical (General): Use general ventilation.

Protective Gloves: Use chemical-resistant gloves, if needed, to avoid skin contact.

Eye Protection: Use splash goggles or face shield when eye contact may occur.

Other Protective Clothing or Equipment: To prevent repeated or prolonged skin contact, wear impervious apron/clothing and boots.

Work/Hygienic Practices: Minimize breathing vapor, mist or fumes. Wash skin with soap and water after contact. Launder contaminated clothing.

Section 9 - Regulatory Information

DOT Information

DOT Proper Shipping Name:

DOT Hazard Code:

UN Number:

Section 313 Supplier Notification

This product contains the following chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372):

CAS#	Common Name	Weight%
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This information should be included in all MSDSs that are copied and distributed for this material.

Prepared according to the OSHA Hazard Communication Standard (29 CFR 1910.1200) by Coolant Control Inc.

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End of MSDS
