

SAFETY DATA SHEET

Hydraulic Fluid

Date of Preparation: 05/20/2014

SDS #: 004-16144-00MSDS

SECTION 1: IDENTIFICATION

Product Identification: Hydraulic fluid OD-15-200

CAS Number:

Volumes: 5 GAL, 1 L

Other Designations:

Recommended Use:

Restrictions: For industrial use only.

Supplier Information:

Micromeritics Instrument Corp.
4356 Communications Drive
Norcross, GA 30093-2901 USA

Contact: Human Resources
Phone: (770) 662-3620
Fax: (770) 662-3696

Manufacturer: Micromeritics Instrument Corp., 4356 Communications Drive, Norcross, GA 30093-1877
USA, Phone: (770) 662-3678 Sun Company, Inc., Ten Penn Center, 1801 Market St., Philadelphia, PA
19103-699

SECTION 2: HAZARDS IDENTIFICATION

GHS Classification: Not Applicable

Signal word: Not Applicable

Hazard Statement: Not Applicable

Pictograms: Not Applicable

Potential Health Effects

Primary Entry Routes: Skin

Target Organs: Not Applicable

Acute Effects

Inhalation: No effects expected.

Eye: Contact with the eye may cause minimal irritation.

Skin: Practically non-toxic if absorbed (LD50 greater than 2000mg/Kg). May cause mild irritation with prolonged or repeated contact.

Ingestion: Practically non-toxic. (LD50> 15g/Kg)

Carcinogenicity: Not Applicable

Medical Conditions Aggravated by Long-Term Exposure: Not Applicable

Chronic Effects: Not Applicable

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient Name	CAS Number	% wt
Severely Solvent Refined Heavy Paraffinic Petroleum Oil	64741-88-4	90.00-100.00
Zinc Dialkyl Dithiophosphate	68649-42-3	1.00
Calcium Sulfonate	61789-86-4	1.00
Butylated Phenol	Not Applicable	1.00
Acrylic Copolymer	68171-46-0	1.00
2-Ethylhexanol	104-76-7	1.00

Trace Impurities:

Ingredient	OSHA PEL		ACGIH TLV		NIOSH REL		NIOSH
	TWA	STEL	TWA	STEL	TWA	STEL	IDLH
Hydraulic Oil	5 mg/m ³	none estab.	5 mg/m ³	none estab.	none estab.	none estab.	none estab.
Oil Mist	5 mg/m ³	none estab.	5 mg/m ³	none estab.	none estab.	none estab.	none estab.

SECTION 4: FIRST-AID MEASURES

Inhalation: Move person to fresh air.

Eye Contact: Flush with water.

Skin Contact: Wash with soap and water until no odor remains. Wash clothing before reuse.

Ingestion: Practically non-toxic. Induction of vomiting not required. Obtain emergency medical attention.

Small amounts which accidentally enter mouth should be rinsed out until taste of it is gone.

Note to Physicians: Not Applicable

Special Precautions/Procedures: Warning!! High pressure injection of oil through the skin is a medical emergency. There may be no sign of injury and no initial pain. This oil must be removed completely by a physician. Failure to obtain immediate treatment has resulted in loss of a finger, hand or arm. WHMIS Classification: Not controlled.

SECTION 5: FIRE-FIGHTING MEASURES

Flammability Classification: Not Applicable

Extinguishing Media: Water spray, regular foam, dry chemical, carbon dioxide.

Unusual Fire or Explosion Hazards: Not Applicable

Hazardous Combustion Products: Not Applicable

Fire-Fighting Instructions: Wear self-contained breathing apparatus. Wear structural firefighter's protective clothing.

Fire-Fighting Equipment: Not Applicable

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SECTION 6: ACCIDENTAL RELEASE MEASURES

Small Spills:

Wear protective equipment to prevent skin and eye contamination. Avoid inhalation of vapors. Wipe up with absorbent (clean rag or paper towels). Collect and seal in properly labelled containers or drums for disposal.

Large Spills:

Prevent further leakage or spillage if safe to do so. Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contamination and the inhalation of vapors. Work up wind or increase ventilation. Prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Collect and seal in properly labelled containers or drums for disposal.

Regulatory Requirements: Not Applicable

SECTION 7: HANDLING AND STORAGE

Handling Precautions: Avoid eye contact and repeated or prolonged skin contact.

Storage Requirements: Store in a cool, dry, well-ventilated place and out of direct sunlight.

Regulatory Requirements: Not Applicable

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Natural ventilation should be adequate under normal use conditions. Keep containers closed when not in use.

Ventilation: Not Applicable

Administrative Controls: Not Applicable

Respiratory Protection: Not Applicable

Protective Clothing/Equipment: Safety shoes, safety glasses, gloves

Safety Stations: Not Applicable

Contaminated Equipment: Not Applicable

Comments: Not Applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Flash Point: 380 minimum COC °: (192 min. OC°C)

Flash Point Method: COC

Burning Rate: Not Applicable

Autoignition Temperature: Not Applicable

LEL: Not Applicable

UEL: Not Applicable

Physical State: Not Applicable

Water Solubility: NIL (% by volume)

Appearance and Odor: Clear fluid, little odor.

Other Solubilities: Not Applicable

Odor Threshold: Not Applicable

Vapor Pressure: <0.0001 mmHg at 20°C

Vapor Density (Air=1): 10+

Formula Weight: Not Applicable

Density: Not Applicable

Specific Gravity (H₂O=1): 0.87

pH: Not Applicable

Boiling Point: Not Applicable

Freezing/Melting Point: Not Applicable

Viscosity: 165 SUS @ 100°F 32.0 CST @ 40°C

Refractive Index: Not Applicable

Surface Tension: Not Applicable

% Volatile: Not Applicable

Evaporation Rate: 1000X slower (Ethyl Ether =1)

SECTION 10: STABILITY AND REACTIVITY

Stability: Stable

Polymerization: Will not occur

Chemical Incompatibilities: Strong Oxidizers

Conditions to Avoid: Elevated temperatures and sources of ignition

Hazardous Decomposition Products: Combustion produces carbon monoxide, oxides of sulfur and asphyxiates.

SECTION 11: TOXICOLOGICAL INFORMATION

Eye Effects: Not Applicable

Skin Effects: Not Applicable

Acute Inhalation Effects: Not Applicable

Acute Oral Effects: Not Applicable

Chronic Effects: Not Applicable

Carcinogenicity: Not Applicable

Mutagenicity: Not Applicable

Teratogenicity: Not Applicable

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity: Not Available

Environmental Fate: Not Available

Environmental Degradation: Not Available

Soil Absorption/Mobility: Not Available

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal: Persons conducting disposal, recycling or reclamation activities should ensure that appropriate personal protection equipment is used, see “Section 8. Exposure Controls and Personal Protection” of this SDS. If possible material and its container should be recycled.

Disposal Regulatory Requirements: Not Available

Container Cleaning and Disposal: Not Available

SECTION 14: TRANSPORT INFORMATION

DOT Transportation Data (49 CFR 172.101):

Shipping Name: Not regulated

Shipping Symbols: Not Applicable

Hazard Class: Not regulated

ID No.: Not regulated

Packing Group: Not Applicable

Label: Not Applicable

Special Provisions (172.102):

Not Applicable

Packaging Authorizations

a) **Exceptions:** Not Applicable

b) **Non-bulk Packaging:** Not Applicable

c) **Bulk Packaging:** Not Applicable

Quantity Limitations

a) **Passenger, Aircraft, or Railcar:** Not Applicable

b) **Cargo Aircraft Only:** Not Applicable

Vessel Stowage Requirements

a) **Vessel Stowage:** Not Applicable

b) **Other:** Not Applicable

Canadian TDG Hazard Class & PIN – Not regulated

SECTION 15: REGULATORY INFORMATION

EPA Regulations: Not Applicable

OSHA Regulations: Not Applicable

State Regulations: Not Applicable

SECTION 16: OTHER INFORMATION

Prepared By: Zuniga, A.

Revision Notes: Not Applicable

Additional Hazard Rating Systems: Not Applicable

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