

Cover Sheet



INSTRUMENT CORPORATION
 ONE MICROMERITICS DR.
 NORCROSS, GA 30093-1877 U.S.A.

MSDS
HYDRAULIC FLUID OD-15-10
(1-L)

						DWN BY	J. Pittman
						ENGR	J. Mocny
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SIZE	NUMBER	PAGE
A	920/16002/00MSDS	X of 3

Micromeritics Material Safety Data Sheet

Title : HYDRAULIC FLUID OD-15-10(1-L)
Date of Preparation : 06/25/04

MSDS No. : 920/16002/00MSDS
Revision : C

Section 1 - Chemical Product and Company Identification

Product/Chemical Name: HYDRAULIC FLUID OD-15-10

Chemical Formula: Blend

CAS Number: n/a

Other Designations:

General Use:

Supplier: Micromeritics Instrument Corp.
1 Micromeritics Dr.
Norcross, GA 30093-1877 USA

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

Manufacturer: Sun Company, Inc. Ten Penn Center 1801 Market St. Philadelphia, PA 19103-1699
(770) 662-3678

Section 2 - Composition / Information on Ingredients

Ingredient Name	CAS Number	% vol
Severely solvent refined heavy paraffinic petroleum oil	64741-88-4	90-100
Zinc dialkyl Dithiophosphats	68649-42-3	0-1
Butylated Phenol	n/a	0-1
Calcium Sulfonate	61789-86-4	0-1
Acrylic Copolymer	68171-46-0	0-1
2-Ethylhexanol	104-76-7	0-1

Trace Impurities:

Ingredient	OSHA PEL		ACGIH TLV		NIOSH REL		NIOSH
	TWA	STEL	TWA	STEL	TWA	STEL	IDLH
Severely solvent refined heavy paraffinic petroleum oil	5mg/m ³	-	5mg/m ³	-	n/a	n/a	n/a
Zinc dialkyl Dithiophosphats	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Butylated Phenol	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Calcium Sulfonate	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Acrylic Copolymer	n/a	n/a	n/a	n/a	n/a	n/a	n/a
2-Ethylhexanol	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Additional exposure limits: Oil Mist	5mg/m ³		5mg/m ³				

Section 3 - Hazards Identification

☆☆☆☆☆ Emergency Overview ☆☆☆☆☆

Potential Health Effects

Primary Entry Routes: Skin

Effects of Overexposure:

Inhalation: No effects expected

Eye: Contact with the eye may cause minimal irritation.

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

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

HMIS

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Section 4 - First Aid Measures

Inhalation: Move person to fresh air.

Eye: Flush with water.

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

Swallowing: 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.

Other Information: Warning!! High pressure injection of oil through the skin is a medial 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

Flash Point: 380°F (192°C)

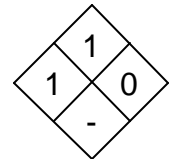
Flash Point Method: COC

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

Unusual Fire or Explosion Hazards: n/a

Fire-Fighting Procedures: Wear self-contained breathing apparatus. Wear structural firefighters protective clothing.

NFPA



Section 6 - Accidental Release Measures

Spill /Leak Procedures: n/a

Section 7 - Handling and Storage

Handling/ Storage Requirements: n/a

Section 8 - Exposure Controls / Personal Protection

N/A

Section 9 - Physical and Chemical Properties

Appearance and Odor: clear fluid, little odor

Odor Threshold: n/a

Vapor Pressure: <0.0001 (mm Hg at 20 °C)

Vapor Density (Air=1): 10 +

Formula Weight: n/a

Density: n/a

Specific Gravity (H₂O=1, at 4 °C): 0.87

Water Solubility: nil

Other Solubilities: n/a

Boiling Point: n/a

Melting Point: n/a

Viscosity: 165 sus @ 100°F. 32.0 CST @ 40 °C.

% Volatile: n/a

Evaporation Rate: 1000X slower (ethyl ether = 1)

Section 10 - Stability and Reactivity

Stability: HYDRAULIC FLUID OD-15-10 is stable.

Polymerization: Hazardous polymerization will not occur.

Chemical Incompatibilities: Strong oxidizers.

Conditions to Avoid: n/a

Hazardous Decomposition Products: Combustion will produce carbon monoxide, oxides of sulfur and asphyxiants.

Section 11- Toxicological Information

n/a

Section 12 - Ecological Information

Ecotoxicity: n/a

Section 13 - Disposal Considerations

Disposal: n/a

Section 14 - Transport Information

n/a

Section 15 - Regulatory Information

n/a

Section 16 - Other Information

Prepared By: C. Bills

Revision Notes:

Disclaimer: