



Cover Sheet



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

MSDS VACUUM PUMP OIL (1- L)

						DWN BY	J. Pittman
						ENGR	J. Mocny
C	Revision	JP	07/29/04		040293	ENGR SIG	G. Killip
B	Revision	MD	04/14/03	JM	030227	HR SIG	J. Mocny
A	Submit to Oce 9260 for double side	CB	6/21/01	JP	010320	QA SIG	A. Dovin
-	Formal Release	C.B.	06/08/01	GRK	010309	ES SIG	K. Massengill
REV	REVISION DESCRIPTION	BY	DATE	CHK	REL. NO.		

SIZE	NUMBER	PAGE
A	004/16003/01MSDS	X of 4

Micromeritics Material Safety Data Sheet

Title : VACUUM PUMP OIL (1- L)
Date of Preparation : 07/29/04

MSDS No. : 004/16003/01MSDS
Revision : C

Section 1 - Chemical Product and Company Identification

Product/Chemical Name: VACUUM PUMP OIL (1- L)

Chemical Formula: (CH₂)_n 20=<n =<40

CAS Number: 8042-47-5

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
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Manufacturer: Inland Vacuum Industries, Churchville, NY 14428 (716) 293-3330

Emergency Phone: (800) 424-9300 (Chemtrex)

Section 2 - Composition / Information on Ingredients

Ingredient Name	CAS Number	% vol
100% solvent refined technical white petroleum oil	8042-47-5	100%
etc...		

Trace Impurities:

Ingredient	OSHA PEL		ACGIH TLV		NIOSH REL		NIOSH
	TWA	STEL	TWA	STEL	TWA	STEL	H IDLH
100% Solvent refined technical white petroleum oil.	none estab.	none estab.	none estab.	none estab.	none estab.	none estab.	None estab.
etc...							

Section 3 - Hazards Identification

☆☆☆☆☆ **Emergency Overview** ☆☆☆☆☆

Potential Health Effects

HMIS
H 1
F 1
R 0
PPE†
†Sec. 8

Primary Entry Routes: Ingestion, inhalation of oil mists. This product is not classified as hazardous.

Target Organs:

Acute Effects : Exposure to oils mists may cause nausea and eye irritation. Detailed studies have not been made, but material is not expected to be dermatitic or a sensitizer.

Inhalation: N/A

Eye: Exposure to oil mists may cause eye irritation.

Skin: N/A

Ingestion: Exposure to oil mists may cause nausea.

Micromeritics Instrument Corp. and Micromeritics Analytical Services

www.micromeritics.com

www.particletesting.com

Surface Area - Porosity - Density - Particle Size, Shape & Count - Catalytic Activity - Surface Energy - Analytical Services

Carcinogenicity: IARC, NTP, and OSHA do not list chemical as a carcinogen.
Medical Conditions Aggravated by Long-Term Exposure: N/A
Chronic Effects: Unknown

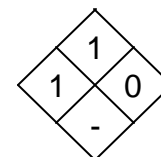
Section 4 - First Aid Measures

Inhalation: N/A
Eye Contact: Flush with water. Contact a physician!
Skin Contact: Wash with soap and water.
Ingestion: If swallowed, DO NOT induce vomiting.
Contact a physician! Small amounts in mouth may be washed out.

Section 5 - Fire-Fighting Measures

Flash Point: >243°C)
Flash Point Method: COC
Burning Rate: N/A
Autoignition Temperature: N/A
LEL: Unknown
UEL: Unknown
Flammability Classification: 1
Extinguishing Media: Water fog, chemical foam or carbon dioxide. NFPA Class III B material.
Unusual Fire or Explosion Hazards: None
Hazardous Combustion Products: N/A
Fire-Fighting Instructions: Wear breathing gear when fighting fires in enclosed spaces; incomplete combustion of this material produces carbon monoxide!

NFPA



Section 6 - Accidental Release Measures

Spill /Leak Procedures:
Small Spills: May be wiped up with a rag.
Large Spills: Large spills should be picked up immediately with an absorbent.
Containment: N/A
Cleanup: N/A

Section 7 - Handling and Storage

Handling Precautions: None known
Storage Requirements: None known

Section 8 - Exposure Controls / Personal Protection

Engineering Controls: None required.
Ventilation: See notes on ventilation below.
Administrative Controls: N/A
Respiratory Protection: See notes on ventilation below.
Protective Clothing/Equipment: Gloves, made of oil-impermeable rubber. Safety Goggles, should have side shields.
Other Protective Equipment: None should be required under normal use.

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Section 9 - Physical and Chemical Properties

Physical State: Liquid	Water Solubility: Nil
Appearance and Odor: Transparent, colorless, viscous liquid with a faint petroleum odor.	Other Solubilities: n/a
Vapor Pressure: < .0001 Torr @25°C	Boiling Point: >300°C
Vapor Density (Air=1): Approx. 14	Freezing/Melting Point: n/a
Formula Weight: n/a	Viscosity: 65 cst @ 40°C
Density: n/a	Refractive Index: n/a
Specific Gravity (H₂O=1, at 4 °C): 0.86	Surface Tension: n/a
pH: n/a	% Volatile: Nil
	Evaporation Rate: Nil

Section 10 - Stability and Reactivity

Stability: VACUUM PUMP OIL (1- L) is stable.
Polymerization: Hazardous polymerization cannot occur.
Chemical Incompatibilities: Strong oxidizers.
Conditions to Avoid: Continuous exposure to temperatures > 200°C
Hazardous Decomposition Products: Incomplete combustion may produce carbon monoxide.

Section 11- Toxicological Information

Toxicity Data:

Eye Effects:	Acute Inhalation Effects:
	US Gov't 8 hr TWA limit for exposure to oil mists is 5 mg per cubic meter.
Skin Effects:	Acute Dermal LD50: None
	Acute Oral Effects:
	oral, LD ₅₀ : mg/kg None known.

Section 12 - Ecological Information

Environmental : When used and/or disposed of as indicated, no adverse environmental effects are foreseen.
Environmental Degradation: Slowly biodegradable in aerobic conditions.
Soil Absorption/Mobility: Non-volatile and insoluble in water.

Section 13 - Disposal Considerations

Disposal: Product and packaging must be disposed of in accordance with Federal, State and local regulations. Material may be returned for reclamation.
Disposal Regulatory Requirements: None.

Section 14 - Transport Information

DOT Transportation Data (49 CFR 172.101):

Shipping Name: n/a

Shipping Symbols: n/a

Hazard Class: Not classified as
hazardous for transport by air,
sea or road.

ID No.: n/a

Packing Group:

Label:

Special Provisions (172.102):

Section 15 - Regulatory Information

EPA Regulations:

None

Section 16 - Other Information

Prepared By: M. Day

Revision Notes:

Additional Hazard Rating Systems:

Disclaimer: