

MSDS Cover Sheet



INSTRUMENT CORPORATION
 4356 COMMUNICATIONS DR.
 NORCROSS, GA 30093-2901 U.S.A.

**DRYFLO (3-L)
 NOT BOXED**

						DWN BY	M. Day
						ENGR	J. Mocny
						ENGR SIG	P. Hendrix
B	Removed Aluminum Oxide, added Ceramic Microspheres	CV	11/15/11		110327	HR SIG	J. Mocny
A	Revision	MD	03/03/03	JM	030127	QA SIG	A. Dovin
-	Formal Release	ADG	09/21/00	JP	000120D	ES SIG	K. Massengill
REV	REVISION DESCRIPTION	BY	DATE	CHK	REL. NO.		

SIZE	NUMBER	PAGE
A	004/16831/01MSDS	X of 5

Micromeritics Material Safety Data Sheet

Title : DRYFLO (3-L) NOT BOXED
Date of Preparation : 11/15/11

MSDS No. : 004/16831/01MSDS
Revision : B

Section 1 - Chemical Product and Company Identification

Product/Chemical Name: DRYFLO™

Chemical Formula: N/A

CAS Number: N/A

Other Designations: N/A

General Use: N/A

Supplier: Micromeritics Instrument Corp.
4356 Communications Dr.
Norcross, GA 30093-2901 USA

Contact: Human Resources
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Manufacturer:

Micromeritics Instrument Corp., 4356 Communications Dr, Norcross, GA 30093-2901 USA, Phone: (770) 662-3678

Section 2 - Composition / Information on Ingredients

Ingredient Name	CAS Number	% wt
Natural Graphite	7782-42-5	
Ceramic Microspheres	93924-19-7	

Trace Impurities:

Ingredient	OSHA PEL		ACGIH TLV		NIOSH REL		NIOSH
	TWA	STEL	TWA	STEL	TWA	STEL	IDLH
Natural Graphite	15mppcf	none estab.	2mg/m ³	none estab.	2.5mg/m ³	none estab.	1250mg/m ³
Ceramic Microspheres	none estab.	none estab.	none estab.	none estab.	none estab.	none estab.	none estab.

Section 3 - Hazards Identification

☆☆☆☆☆ Emergency Overview ☆☆☆☆☆

HMIS

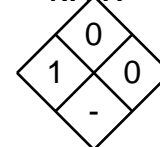
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PPE†

†Sec. 8

Potential Health Effects**Primary Entry Routes:** Inhalation**Target Organs:** Lungs**Acute Effects****Inhalation:** Inhalation may cause lung irritation.**Eye:** Eye contact may cause irritation.**Skin:** May cause skin irritation.**Ingestion:** Ingestion of large amounts may cause gastrointestinal irritation.**Carcinogenicity:** None**Medical Conditions Aggravated by Long-Term Exposure:** N/A**Chronic Effects:** N/A**Section 4 - First Aid Measures****Inhalation:** Remove person to fresh air - if breathing problem persists, call doctor.**Eye Contact:** Flush eyes with water - if irritation persists, call doctor.**Skin Contact:** Wash with plenty of soap and water for at least 15 minutes – if irritation develops or persists, call a doctor.**Ingestion:** Seek immediate medical advice.**Note to Physicians:** Treat symptomatically and supportively.**Special Precautions/Procedures:** N/A**Section 5 - Fire-Fighting Measures****Flash Point:** N/A**Flash Point Method:** N/A**Burning Rate:** N/A**Autoignition Temperature:** 1346 deg F (730.00 deg C)**LEL:** N/A**UEL:** N/A**Flammability Classification:** N/A**Extinguishing Media:** Suitable to environment.**Unusual Fire or Explosion Hazards:** N/A**Hazardous Combustion Products:** N/A**Fire-Fighting Instructions:** For safety reasons, direct jet water is an unsuitable extinguishing agent.**Fire-Fighting Equipment:** Wear self-contained respiratory protective device**NFPA****Section 6 - Accidental Release Measures****General Information:** Avoid formation of dust. Avoid contact with eyes and skin. Ensure adequate ventilation. Use proper personal protective equipment as indicated in Section 8.**Spills/Leaks:** Pick up mechanically or with a tested and approved industrial vacuum cleaner. See disposal information in Section 13.**Section 7 - Handling and Storage****Handling Precautions:** Prevent formation of dust. Avoid inhalation and ingestion. Use with adequate ventilation. Avoid contact with eyes, skin, and clothing.**Storage Requirements:** Store in a cool, dry place. Store in a tightly closed container. Keep away from sources of ignition. Keep from contact with oxidizing materials.**Regulatory Requirements:** N/A

Section 8 - Exposure Controls / Personal Protection

Engineering Controls: Use adequate ventilation to keep airborne concentrations low.

Administrative Controls: N/A

Respiratory Protection: Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149.

Skin Protection: Wear appropriate gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to minimize contact with skin.

Eye Protection: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Contaminated Equipment: Any deposit of dust which cannot be avoided must be regularly removed in accordance with Section 6.

Section 9 - Physical and Chemical Properties

Physical State: Solid

Appearance and Odor: Gray odorless particles

Odor Threshold: N/A

Vapor Pressure: N/A

Vapor Density (Air=1): N/A

Formula Weight: N/A

Specific Gravity (H₂O=1): 0.7 - 0.8

pH: N/A

Water Solubility: Insoluble

Boiling Point: not determined

Freezing/Melting Point: not determined

Viscosity: N/A

Refractive Index: N/A

Surface Tension: N/A

% Volatile: N/A

Evaporation Rate: N/A

Section 10 - Stability and Reactivity

Stability: Stable

Conditions to Avoid: Incompatible materials, ignition sources, dust generation, moisture, excess heat.

Chemical Incompatibilities: Strong oxidizing agents (such as fluorine, chlorine trifluoride, potassium peroxide), acids, and bases.

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide.

Hazardous Polymerization: None reported

Section 11- Toxicological Information

Eye Effects: Irritation is possible after mechanical influence (dust).

Skin Effects: Slight irritation or redness is possible after long or repeated mechanical contact.

Acute Inhalation Effects: Product dust is irritating to the upper respiratory tract and mucus membranes.

Acute Oral Effects: N/A

Chronic Effects: Prolonged contact with respirable dust in high concentration can affect lung function.

Carcinogenicity: None

Mutagenicity: No data available

Teratogenicity: No data available

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: Dispose of in accordance with applicable regulations. Minimize dust generation. Avoid dry sweeping.

Disposal Regulatory Requirements: Follow applicable regulations.

Container Cleaning and Disposal: Empty contaminated containers thoroughly and dispose of properly. Containers that cannot be cleansed are to be disposed of in the same manner as the product and in accordance with applicable regulations.

Section 14 - Transport Information**DOT Transportation Data (49 CFR 172.101):**

Shipping Name: N/A

Shipping Symbols: N/A

Hazard Class: N/A

ID No.: N/A

Packing Group: N/A

Label: N/A

Special Provisions (172.102): N/A

Packaging Authorizations

a) Exceptions: N/A

b) Non-bulk Packaging: N/A

c) Bulk Packaging: N/A

Quantity Limitations

a) Passenger, Aircraft, or

Railcar: N/A

b) Cargo Aircraft Only: N/A

Vessel Stowage Requirements

a) Vessel Stowage: N/A

b) Other: N/A

Section 15 - Regulatory Information

EPA Regulations: N/A

OSHA Regulations: None of the chemicals in this product are considered hazardous by OSHA.

State Regulations: CAS# 7782-42-5 can be found on the following state right to know lists: California, Florida, Pennsylvania, Minnesota, and Massachusetts.

Section 16 - Other Information

Prepared By: JGS

Revision Notes: Created 11/8/11

Additional Hazard Rating Systems: N/A

Disclaimer: *The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, expressed or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall Micromeritics Instrument Corporation be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Micromeritics Instrument Corporation has been advised of the possibility of such damages.*