

SAFETY DATA SHEET

DRYFLO™

Date of Preparation: 01/18/2022

SDS #: 004-16831-01SDS

SECTION 1: IDENTIFICATION

Product Identification: DRYFLO™

CAS Number: Not Applicable

Volumes: 3 L, 3L Not boxed

Other Designations: Not Applicable

Recommended Use: For laboratory use only.

Restrictions: For laboratory use only.

Supplier Information:

Micromeritics Instrument Corp. Contact: Human Resources
4356 Communications Drive Phone: (770) 662-3636
Norcross, GA 30093-2901 USA Fax: (770) 662-3696

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

SECTION 2: HAZARDS IDENTIFICATION

GHS Classification: Not a hazardous substance or mixture.

Signal word: None

Hazard Statement: None

Pictograms: None

Precautionary Statements: Not a hazardous substance or mixture

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient Name	CAS Number	% wt.
Natural Graphite	7782-42-5	0 -25%
Ceramic Microspheres	93924-19-7	0-75%

SECTION 4: FIRST-AID MEASURES

Inhalation: Remove person to fresh air - if breathing problem persists call doctor.

Eye Contact: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

Skin Contact: Wash skin with soap and water.

Ingestion: Clean mouth with water and afterwards drink plenty of water

Note to Physicians: Treat symptomatically.

Special Precautions/Procedures: N/A

SECTION 5: FIRE-FIGHTING MEASURES

Flammability Classification: N/A

Extinguishing Media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unusual Fire or Explosion Hazards: N/A

Hazardous Combustion Products: N/A

Protective Equipment and Precautions for Firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Ensure adequate ventilation. Do not create dust

Spill /Leak Procedures: Prevent further leakage or spillage if safe to do so. Wet material, sweep up, vacuum and transfer to properly labeled containers.

Environmental Precautions: The product is not classified as dangerous to the environment. Spillage to ground or water systems should be avoided as it may float on the water surface. See Section 12 for additional Ecological Information.

SECTION 7: HANDLING AND STORAGE

Handling Precautions: Avoid breathing dust and avoid contact with eyes. Minimize dust generation.

Avoid dry sweeping.

Storage Requirements: Keep containers tightly closed in a dry, cool and well-ventilated place. Store away from food supplies/utensils/ingredients.

Incompatible Products: None known based on information supplied.

Regulatory Requirements: N/A

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines

Ingredient Name	OSH A	ACGIH TLV	NIOSH
	TWA	TWA	IDLH
Natural Graphite	TWA: 5 mg/m3 respirable dust	(Vacated) TWA: 2.5 mg/m3 (Vacated) TWA: 10 mg/m3 (Vacated) TWA: 5 mg/m3 TWA: 15 mg/m3 TWA: 5 mg/m3	IDLH: 1250 mg/m3 TWA: 2.5 mg/m3
Ceramic Microspheres	Not Established	Not Established	Not Established

Engineering Controls: Change contaminated clothing. Wash hands after working with substance.

Ventilation: Local exhaust to keep within prescribed limits of the exposure guidelines.

Protective Clothing/Equipment: Eye Protection: Risk of contact, wear: Safety glasses with side-shields

Gloves: Repeated or prolonged contact: Gloves should be worn.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety practice.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Property	Values	Remarks/ - Method
Physical State	Powder	
Appearance	Gray particles	
Odor	None	
Odor Threshold	No information available	
pH	No data available	None known
Melting Point/Range	3652 °C	None known
Boiling Point/Boiling Range	No data available	None known
Flash Point	No data available	None known
Evaporation rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limits in Air upper flammability limit	No data available	
Flammability Limits in Air lower flammability limit	No data available	
Vapor Pressure	No data available	None known
Vapor Density	No data available	None known
Specific Gravity	2.26	None known
Water Solubility	Insoluble in water	None known
Solubility in other solvents	No data available	None known
Partition coefficient: n-octanol/water	No data available	None known
Autoignition Temperature	No data available	None known
Decomposition Temperature	No data available	None known
Viscosity	No data available	None known
Flammable Properties	Not flammable	
Explosive Properties	No data available	
Oxidizing Properties	No data available	
Other information		
VOC Content (%)	No data available	

SECTION 10: STABILITY AND REACTIVITY

Reactivity: No data available

Stability: Stable

Polymerization: N/A

Chemical Incompatibilities: Avoid hydrofluoric acid, chlorine trifluoride, manganese trioxide, and other powerful oxidizers.

Conditions to Avoid: None

Hazardous Decomposition Products: N/A

SECTION 11: TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:

Inhalation There is no data available for this product. Product dust may cause irritation of respiratory tract.

Eye Contact There is no data available for this product.

Skin Contact There is no data available for this product.

Ingestion There is no data available for this product.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Graphite	Not Listed	Not Listed	LC50 > 2000 mg/m ³ (Rat) 4 h
Ceramic Microspheres	Not Listed	Not Listed	This material does not meet the criteria as hazardous as laid down in (EC) No. 1272/2008(CLP) for any toxicological end point.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms No information available.

Delayed and immediate effects and also chronic effects from short- and long-term exposure

Sensitization No information available

Mutagenic Effects No information available.

Carcinogenicity Not listed as a known carcinogen

Reproductive Toxicity No information available STOT

- single exposure No information available. STOT -

repeated exposure No information available.

Aspiration Hazard No information available.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity: The environmental impact of this product has not been fully investigated.

Environmental Fate: Not Available

Environmental Degradation: Not Available

Soil Absorption/Mobility: Not Available

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Methods: This material is not a hazardous waste according to Federal regulations (40 CFR 261). Consult 40 CFR 261 and the appropriate state, regional, or local regulations for additional requirements.

Contaminated Packaging Do not re-use empty containers.



SECTION 14: TRANSPORT INFORMATION

DOT Not regulated
ICAO Not regulated
IMDG/IMO Not regulated

SECTION 15: REGULATORY INFORMATION

International Inventories

TSCA Complies
DSL Complies

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

U.S. Federal Regulations

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Acute Health Hazard	No
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.



SECTION 16: OTHER INFORMATION

Prepared By: T Pursser

Revision Notes:

REV	REVISION DESCRIPTION	BY	DATE CHK	REL. NO
A	Formal Release	TP	12/09/2020	200001
B	Update Formula Percentages	TP	01/18/2022	220025
C	Review and Update SDS	TP	09/02/2022	220260

Abbreviations Key:

CAS: Chemical Abstracts Service
GHS: Globally Harmonized System
OSHA: Occupational Safety and Health Act
PEL: Permissible Exposure Limit
ACGIH: American Conference of Government Industrial Hygienists
TLV: Threshold Limit Values
NIOSH: National Institute for Occupational Safety and Health
REL: Recommended Exposure Limit
TWA: Time Weighted Average
STEL: Short-Term Exposure Limit
IDLH: Immediately Dangerous to Life or Health

Additional Hazard Rating Systems:

NFPA	Health Hazard 1	Flammability 0	Instability 0	Physical and Chemical Hazards –
HMIS	Health Hazard 1	Flammability 0	Physical Hazard 0	Personal Protection X

Disclaimer: The information presented herein is believed to be accurate and was obtained from sources believed to be reliable. However, the information is provided without any representation or warranty, expressed or implied, with respect to its accuracy or completeness. It is the users' responsibility to determine the suitability of this product and the relevance of this information for their use.

Hazard Determination Statement:

The hazardous characteristics of this product has been determined by the hazards identified in the materials used the produce this product.