

Dixon Southwestern Graphite

Hazard Communication Standard
29 CFR 1910, 1200.

TYPE: **Natural Graphite**

IDENTITY (As Used on Label and List) Natural Graphite		Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.	
SECTION I			
Manufacturer's Name: Dixon Southwestern Graphite, Inc.		Emergency Telephone Number 908-537-2155	
PO BOX 144, 405 OLD MAIN STREET		Telephone Number for Information 908-537-2155	
ASBURY, NJ 08802		Date: Jan 11, 2000 Review Date: 1/2001	
		Prepared by: (optional) AVT	
SECTION II - NON-HAZARDOUS INGREDIENTS/IDENTITY INFORMATION			
Component(s) (Specific Chemical Identity, Common Name(s))	OSHA PEL	Other Limits ACGIH TLV	Recommended % (optional)
Graphite	CAS NO. 7782-42-5	2.0 mg/m3	Respirable dust. 100
SECTION III- HAZARDOUS INGREDIENTS/ IDENTITY INFORMATION			
Hazardous Components (Specific Chemical Identity, Common Name(s))	OSHA PEL	ACGIH TLV	Recommended % (optional)
Silica	CAS NO. 14808-60-7	0.1 mg/m3	Respirable dust 0.0-4.0
SECTION IV - PHYSICAL CHEMICAL CHARACTERISTICS			
Boiling Point: <i>N/A</i>		Specific Gravity (H2O = 1): 2.20 - 2.35	
Vapor Pressure (mm Hg.): <i>N/A</i>		Melting Point: <i>N/A</i>	
Vapor Density (AIR = 1): <i>N/A</i>		Evaporation Rate: (Butyl Acetate = 1) N/A	
Solubility in Water: Insoluble			
Appearance and Odor: Grey to Black - No Odor			
SECTION V - FIRE AND EXPLOSION HAZARD DATA			
Flash Point (Method Used): <i>N/A</i>		Flammable Limits: <i>N/A</i> LEL: <i>N/A</i> LEL: <i>N/A</i>	
Extinguishing Media: Water			
Special Fire Fighting Procedures: Spray with water.			
Unusual Fire and Explosion Hazards: None.			
HMIS RATING: 110E NFP RATING: 010			

Stability: **This material is stable.**

Conditions to Avoid: None

Hazardous polymerization: **This material will not polymerize.**

Conditions to Avoid: None

Incompatibility (Materials to Avoid): **Oxidizing Agents.**Hazardous decomposition or byproducts: **CO₂, CO (carbon dioxide, carbon monoxide)****SECTION VII - HEALTH HAZARD DATA**

Route(s) of Entry:

Inhalation? **X**Skin? **X**

Ingestion?

Health Hazards (Acute and Chronic): **Cases of pulmonary fibrosis, emphysema and cor pulmonale may result from prolonged inhalation of dust (chronic). Minor skin and/or eye irritation may occur.**Carcinogenicity: **Silica**NTP? **Yes**IARC, Monographs? **Yes**OSHA Regulated? **No**

IARC Monograph Vol. 68, 1997, concludes that there is sufficient evidence that inhaled crystalline silica causes cancer in humans. IARC Classification Group 1

Signs and Symptoms of Exposure: Inhalation - **nose and/or throat irritation, shortness of breath.****Skin/Eyes - redness of skin, irritation of eyes.**Medical Conditions Generally Aggravated by Exposure **Emphysema, Asthma, or other respiratory problems.**Emergency and First Aid Procedures **Inhalation - Remove from dust area. Seek medical attention if symptoms persist.****Skin - Wash with mild soap and water. *****Eyes - Rinse eyes with sterile eye wash. ****** Seek medical attention if any irritation persists.****SECTION VIII - PRECAUTIONS FOR SAFE HANDLING AND USE**Steps to be taken in case material is released or spilled: **Sweep or vacuum.**Waste Disposal Method **Dispose of in an approved manner based on federal/local regulations.**Precautions to be taken in handling and storing: **Handle and transfer in a manner, which avoids excessive dusting. Store away from oxidizing agents.**Other Precautions: **Graphite is a conductor of electricity. Exercise caution when handling graphite in areas where contact with electrical circuitry is possible.****SECTION IX - CONTROL MEASURES**Respiratory Protection (Specify Type): Use **OSHA approved respirator for nuisance dust.**

Ventilation:

Local Exhaust: **To dust collector.**Special: **None**Mechanical (General): **To maintain dust level below ACGIH-TLV.**Other: **None**Protective Gloves: **Conventional work gloves.**Eye Protection: **Safety glasses**Other Protective Clothing or Equipment: **Not required.**Work Hygienic Practices: **Keep work area clean. Use adequate dust collection/ventilation to maintain levels of dust below ACGIH-TLV.**