

GC Electronics
 1801 Morgan Street
 Rockford, IL 61102
 Phone: (815) 968-9661
 Fax: (815) 968-9731
 www.gcelectronics.com

Product Name: Graphite Lubricant
 MSDS Number: 216
 Revision Date: 1/15/04
 Supersedes Date: 1/30/01

MATERIAL SAFETY DATA SHEET

Complies with OSHA Hazard Communication Standard 29 CFR 1910.1200

Product Type: Lubricant
 Product Name: **Graphite Lubricant**
 Part Number(s): **19-821**

Emergency Contact: **Chemtrec**
 Phone (24 hours): **(800) 424-9300**

Section 1 - Identification of Product

NFPA Hazard Rating:	Least	0
	Slight	1
Health 1	Moderate	2
Flammability 0	High	3
Reactivity 0	Extreme	4

Section 2 - Hazardous Ingredients

Hazardous Component (Specific Chemical Identity COMMON NAME(S))	CAS#	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED	% (OPTIONAL)
Graphite, Natural (as respirable dust)	7782-42-5	2.5mg/m ³	2.0mg/m ³	None	Prop.
Silica, Crystalline Quartz (as respirable dust)	14808-60-7	0.1mg/m ³	0.05 mg/m ³	None	N/D

Note: Tests performed on natural graphites have shown quartz levels ranging from 2% to 10%.

Section 3 - Physical Data

Boiling Point:	N/A
Vapor Pressure (mm Hg):	N/A
Vapor Density (Air = 1):	N/A
Solubility in Water:	Insoluble
Specific Gravity (H ₂ O = 1):	2.25
Melting Point:	N/A
Evaporation Rate (Butyl Acetate = 1):	N/A
Appearance/odor:	Dark gray solid, no odor

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Section 4 - Fire & Explosion Hazard Data

Flash Point (Method Used): N/A Noncombustible
Flammable Limits: LEL: N/A UEL: N/A
Extinguishing Media: Water, carbon dioxide, foam, or dry chemical
Special Fire Fighting Procedures: Wear NIOSH approved self contained breathing apparatus to fight a fire involving this material.
Unusual Fire and Explosion Hazards: None

Section 5 - Health Hazard Data

Route(s) of Entry
Inhalation: Yes
Skin: No
Ingestion: Yes
Health Hazards (acute and chronic): Inhalation of dust may result in irritation of mucous membranes. Long term inhalation may result in silicosis or pneumoconiosis.
Carcinogenicity
NTP: No
IARC Monographs: Yes (silica as quartz), animal sufficient evidence, human sufficient evidence.
OSHA regulated: No
Signs and Symptoms of Exposure: Not known other than that mentioned in the health hazards.
Medical Conditions
Generally aggravated by Exposure: No medical conditions are known to be aggravated by this product.
Emergency First Aid Procedures
Eyes: Flush with plenty of water for 15 minutes. Seek medical attention if irritation persists.
Skin: Wash exposed skin with soap and water. If irritation persists get medical attention. Launder severely contaminated clothing before reuse.
Ingestion: Do not induce vomiting. Seek medical attention.
Inhalation: If breathing becomes difficult, move to fresh air. Seek medical attention.
Toxicological Information: None available

Section 6 - Reactivity Data

Stability: Material is stable.
Incompatibility (Materials to avoid): Strong oxidizing agents, acids, and alkalis.
Hazardous Decomposition
Or Byproducts: On burning, may release carbon dioxide and carbon monoxide.
Hazardous Polymerization: Will not occur.

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Section 7 - Spill or Leak Procedures

Steps to be taken if material is released or Spilled: Graphite causes slippery conditions. Carefully sweep up material and wash floor with soap and water. Containerize for solid waste disposal.

Ecological Information: None Available.

Disposal Considerations: Dispose of in accordance with local, state and federal regulations.

Section 8 - Special Protection Information

Respiratory Protection (specify type): Wear NIOSH/MSHA approved mask for chemical products if ACGIH, OSHA and/or TWA limits will be exceeded.

Ventilation: Local Exhaust: Not necessary except to stay below exposure limits
Special: None
Mechanical (General) Necessary to keep down dust
Other: None

Protective gloves: Cotton

Eye/Face Protection: Safety glasses, goggles, or face shield. Eyewash station should be available.

Other Protective Clothing Or Equipment: Use cotton gloves and safety shower should be available.

Work/Hygienic Practices: Wash thoroughly with soap and water after handling this product.

Section 9 - Special Precautions

Precautions to Be Taken In Handling and Storing: Graphite causes slippery conditions. Graphite, being conductive, can cause short circuits and other electrical malfunctions. Keep containers tightly closed when not in use. Handle carefully to avoid spills.

Work/Hygenic Practices: Wash exposed skin with soap and water after handling this product.

Section 10 - Regulatory Information

All components of this product are on the TSCA inventory.

Warning: This product contains a chemical known to the state of California to cause cancer:

Silica, Crystalline Quartz CAS # 14808-60-7

