

**GC/Waldom Electronics**  
1801 Morgan Street  
Rockford, IL 61102  
Product Information: (815) 968-9661

**Product Name: Graphite Lubricant**  
MSDS Number: 216  
Revision Date: 01/30/01  
Supersedes Date: 10/20/97

## 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	7782-42-5	2.5mg/m <sup>3</sup> (as respirable dust)	2.0mg/m <sup>3</sup>	None	Prop.
Silica, Crystalline Quartz (as Quartz)	14808-60-7	0.1mg/m <sup>3</sup> (as respirable dust)	0.1 mg/m <sup>3</sup>	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 <sub>2</sub> 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: Is not expected to be a problem. However, if breathing becomes difficult, move to fresh air. Seek medical attention if breathing difficulty persists.

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.

**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 approved mask for protection against dust particles.

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 Protection: Safety glasses, goggles, or face shield.

Other Protective Clothing Or Equipment: Eyewash station 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, being conductive, can cause short circuits and other electrical malfunctions. Keep containers tightly closed when not in use. Handle carefully to avoid spills.

**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.

**Section 11 - Other Information**

Transport Information: Not regulated.

Unk. = Unknown  
N/A = Not applicable  
Prop = Proprietary  
Nav = Not available  
N/D = Not determined  
N/E = Not established

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