

**Superior Graphite Co.  
Material Safety Data Sheet**

**Natural Graphite**

**1- Chemical Product and Company Identification**

Repackaged as Panef Corporation  
Powdered Graphite Lubricant  
Hillman item numbers 1703185,  
710911, 51080, 706620, 703185

Product Name: Natural Graphite  
Manufacturer: Superior Graphite Co.  
Address: 10 S. Riverside Plaza  
Chicago IL 60606

Emergency Phone Number: (270) 885-7186  
Information Phone Number: (312) 559-2999

Prepared: Date 07/16/91 By George Russell  
Revised: Date 02/13/2003 By Craig A. Baer  
Total Pages: 3

**2. Composition/Information on Ingredients**

Hazardous Components	CAS#	OSHA PEL	ACGIH TLV	Other Limits	%
Graphite, Natural (as respirable dust)	7782-42-5	2.5 mg/m3	2.0 mg/m3	None	Prop.
Silica, Crystalline Quartz (as respirable dust)	14808-60-7	0.1 mg/m3	0.05 mg/m3	None	N/D

Tests performed on natural graphite have shown quartz levels ranging from 2% to 10%

**3. Hazards Identification**

Route (s) of Entry:	Inhalation	Skin	Ingestion
	Yes	No	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	IARC Monographs	OSHA Regulated
	No	Yes	No

Silica as quartz; animal sufficient evidence, human sufficient evidence.

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.

**4. First Aid Measures**

- Eyes: Flush thoroughly with water for 15 minutes. Get medical attention.
- 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. Get medical attention.
- Inhalation: Remove to fresh air area. If breathing becomes difficult, get medical attention.

**5. Fire Fighting Measures**

Flash Point: (method)	N/A	Flammable Limits:	LEL:	UEL:
			N/A	N/A

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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

NFPA Hazard Rating:

<b>Health</b>	<b>Flammability</b>	<b>Reactivity</b>
1	0	0

**6. Accidental Release Measures**

Spill/Leak Procedures: Carefully sweep up material and wash floor with soap and water. Containerize for solid waste disposal.

**7. Handling and Storage**

Handling and Storage Precautions: Keep containers tightly closed when not in use. Graphite causes slippery conditions. Graphite, being conductive, can cause short circuits and other electrical malfunctions.  
Work/Hygienic Practices: Wash exposed skin with soap and water after handling this product.

**8. Exposure Controls/Personal Protection**

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

Local Exhaust	Mechanical (general)	Special	Other
Not Required	Recommended	None	None

Eye/Face Protection: Safety glasses, goggles or face shield. Eye wash station should be available.  
Skin Protection: Use cotton gloves. Safety shower should be available.

**9. Physical/Chemical Characteristics**

Physical State: Solid	Boiling Point: N/A
Appearance: Gray	Melting Point: N/A
Odor: None	Vapor Pressure (mm Hg): N/A
Specific Gravity (H2O=1): 2.25	Vapor Density (air=1): N/A
Water Solubility: Insoluble	Evaporation Rate: N/A (Butyl Acetate = 1)

**10. Stability and Reactivity**

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

**11. Toxicological Information**

None available.

**12. Ecological Information**

None available

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**13. Disposal Considerations**

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

**14. Transport Information**

Not regulated.

**15. Regulatory Information**

All components of this product are on the TSCA inventory.

**Canada:**

This product has been classified in accordance with the hazard criteria of the OPR and the MSDS contains all of the information required by the CR. Natural graphite and Crystalline silica are classified by Canadian WHMIS as Class D, Division 2, Subdivision A (Very Toxic Material causing other Toxic Effects).

**16. Other Information**

Disclaimer: The information contained herein is based on data available. However, no warranty is expressed or implied regarding the accuracy of the data or the results obtained from the use thereof. Because the information contained herein may be applied under conditions beyond our control, we assume no responsibility for its use.

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