

**MATERIAL SAFETY DATA SHEET**  
**GRAPHITE POWDER**  
**Panef Inc.**

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Revision Date: 01/01/09

**Section 1: Chemical Product and Company Identification**

**Product Name:** Graphite **Product Number:** Panef L-300/LS-10/LT-30/L-600

**Manufacturer:** Panef Inc.  
5700 West Douglas Ave.  
Milwaukee, WI 53218 **Emergency Telephone:** 800-535-5053

**Total Pages:** 3 **Information Telephone:** 414-464-7200

**Section 2: Composition / Information on Ingredients**

<u>Hazardous Ingredients</u>	<u>CAS</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>Other Limits</u>	<u>%</u>
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	0.1 mg/m3	None	N/D

**Notes:**

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

**Section 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

**Notes:** 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.

**Section 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.

**Section 5: Fire Fighting Measures**

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

**Extinguishing Media:** Water, carbon dioxide, foam or dry chemical.

**Special Fire Fighting Procedures:** Wear a NIOSH approved self contained breathing apparatus to fight a fire involving this material.

**Unusual Fire and Explosion Hazards:** None

**NFPA Hazard Rating:** **Health** **Flammability** **Reactivity**  
1 0 0

**NFPA Codes:** 0-Least 1-Slight 2-Moderate 3-High 4-Extreme

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### Section 6: Accidental Release Measures

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

### Section 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.

### Section 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.

### Section 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 (H <sub>2</sub> O=1): 2.25	Vapor Density (air=1): N/A
Water Solubility: Insoluble	Evaporation Rate: N/A (Butyl Acetate=1)

### Section 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.

### Section 11: Toxicology Information

None available

### Section 12: Ecological Information

None available

### Section 13: Disposal Considerations

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

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### Section 14: Transportation Information

Not regulated.

### Section 15: Regulatory Information

All components of this product are on the TSCA inventory.

### Section 16: Other Information

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