



1. Chemical Product and Company Identification

Chemical Name: 4500 Series
Manufacturer: Superior Graphite
Address: 10 S. Riverside Plaza
Chicago IL 60606
Information Number: (312) 559-2999

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/m ³ | 2.0 mg/m ³ | None | Prop. |
| Silica, Crystalline Quartz (as respirable dust) | 14808-60-7 | 0.1 mg/m ³ | 0.025 mg/m ³ | None | N/D |

Notes:

Tests performed on natural graphite have shown respirable quartz dust levels ranging from 0% to 5%.

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 |
| | Yes | 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.

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 |

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:

Health

1

Flammability

0

Reactivity

0

NFPA Notes:

6. Accidental Release Measures

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

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

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 (H ₂ O=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. Transportation Information

Not regulated.

12. 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.

All components of this product are on the TSCA inventory.

Unk. = Unknown

N/A = Not applicable

Nav = Not available
N/D = Not determined
N/E = Not established
Prop. = Proprietary

Prepared: Date 16/07/91
Revised: Date 21/02/2012