



## 1) Identification

Effective Date: 1/10/2005

Product Name: Synthetic Graphite Blocks and Rounds

## 2) Composition

Carbon / synthetic graphite  
For Graphite: C. A. S. # 7440-44-0 or 7782-42-5%

## 3) Physical Properties

Physical Form: Solid  
Boiling Point: N/A  
Melting Point: N/A  
Vapor Pressure: N/A  
Vapor Density: N/A  
Soluble in water: N/A  
Odor: None  
Volatile by Weight: Less than 1%  
Appearance: Black—Gray

## 4) Exposure Limits

Compound	OSHA-PEL (1989)	ACGIH-TLV (1991)
Synthetic Graphite*	15 mg/m <sup>3</sup> No listed limits	N/A N/A

\*Comments: Swallowing or skin—no affect. In dust form causes irritation to eyes.

## 5) Fire and Explosion Hazard Data

Flash Point (Method Used): Graphite: N/A  
Flammable Limits: N/A  
LFL: N/A UEL: N/A  
Extinguishing Media: Dry chemical foam or water fog.  
Hazardous Decomposition Products: In normal combustion, CO<sub>2</sub> and CO, and smoke and fumes.  
Fire and Explosion Hazards: Dust in high concentrations and confined space may cause an explosive situation.

## 6) Reactivity Data

**Stability:** Stable  
**Incompatibility (Materials to Avoid):** None known  
**Hazardous Decomposition or Byproducts:** In normal combustion, CO<sub>2</sub> and CO, and smoke and fumes.  
**Hazardous Polymerization:** Will not occur.

## 7) Health Hazard Data

**Route(s) of Entry:**  
**Eyes:** Mechanical injury only.  
**Skin Contact:** Mechanical injury only.  
**Inhalation:** Fumes or dust may cause irritation to upper respiratory system. Avoid inhaling dust crated during machining processes.  
**Ingestion:** Unlikely due to physical state. Dusts produced incidental to industrial handling are not likely to cause serious injury.  
**Health Hazards (Acute and Chronic):** Based upon available data, repeated exposure is not known to cause any significant adverse effects.  
**Carcinogenicity:** N/A  
**Emergency and First Aid Procedures:** Note to physician: No specific antidote, supportive care. Treatment based upon judgment of physician in response to reaction of the patient.

## 8) Precautions for Safe Handling and Use

**Ventilation:** Good general ventilation should be sufficient for most conditions. Local exhaust ventilation may be necessary for some operations.  
**Respiratory:** Dust mask should be worn when handling excessively or machining materials.  
**Skin Protection:** No protections other than clean body covering should be needed.  
**Eye Protection:** Use safety glasses. If there is a potential for exposure to particles, use chemical goggles.  
**Precautions to be taken in Handling and Storage:** None.

## 9) Control Measures (Other Precautions)

**Actions to take for leaks or spills:** Clean ff and use.  
**Disposal Method:** Bury in approved landfill in accordance with local regulations.  
**D.O.T:** Graphite is not a D.O.T. Hazardous Material.

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