

MATERIAL SAFETY DATA SHEET Page 1 of 2

EMERGENCY CONTACT: The safety coordinator can be reached at (503) 374-9709 during business hours M-F (8:30 a.m. to 5:00 p.m. Pacific Time). Outside of normal business hours call and leave message. For medical emergencies contact local medical emergency providers.

SECTION I - SUBSTANCE IDENTIFICATION

Product Name: Series "AAA", "AA", "A", "AB", "B", "BC", "C", "CD", "D", "DE", AND "E" AND GRADES "LL", "LM", "MM", "MD", "DM", "DD", "EE", AND "EX" Polymorphous Porous Graphite (non-regulated and nonhazardous).

CAS Number: 7440-44-0

Shipping Classification:

Revision Date:

H.M.I.S. Rating:

Formula: C

Non-Hazardous (NMFC #40560, UFC #20460)

08/25/2003

H=1, F=1, R=1, PP=E.

SECTION II - COMPOSITION/INGREDIENTS

This material is comprised of 100% inert graphite. There are no established PEL, TWA or TLV values for this material. Caution should be taken for a respirable dust. The ACGIH TWA for respirable dust is 2.5 mg/m³. This product has no carcinogenic properties.

SECTION III - PHYSICAL DATA

Description:	Colorless black solid (granule or pellet).
Vapor Pressure:	N/A.
Bulk Density:	0.3 TO 0.7 g/cc.
Solubility:	Not soluble.
Flash Point:	N/A.
Stability:	Stable.
Incompatibility:	Avoid contact with strong oxidizers.
Conditions To Avoid:	None.

SECTION IV - FIRE AND EXPLOSION HAZARDS

Flash Point:	N/A.
Flammability:	OSHA Method 16 CFR 1500.44 (incorporated by reference in 29CFR 1910.1200)
Spontaneous Combustibility:	DOT Method 49CFR Part 173, Appendix E.
Extinguishing Media:	Water.
Special Precautions:	None.
Unusual Fire And Explosion Hazards:	Contact with strong oxidizers (liquid oxygen, chlorine, ozone, or permanganates may result in fire.
Hazardous Decomposition Products:	Carbon monoxide may be formed in the event of a fire.



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SECTION V - HEALTH DATA

This product is non-toxic through ingestion. This material is non-toxic through skin absorption. This product is not a primary skin irritant. No sensitization effects are known. The physical nature of this product may irritate the respiratory system. The physical nature of this product may produce eye irritation.

Routes Of Entry:	Ingestions or inhalation
Health Hazards:	Inhalation of dust may cause temporary respiratory discomfort. (The acute inhalation LD50 (rat) is >12 g/kg
Carcinogenic Of Other Health Effects Of Long-Term Low Level Exposure:	None established
Signs And Symptoms Of Exposure:	No consistent patterns have been established.
Medical Conditions Generally Aggravated by Exposure:	None established.
Emergency and First Aid Procedures:	
Eye:	Flush thoroughly with water
Skin:	Wash with soap and water
Ingestion:	Give 2-3 glasses of milk or water to dilute. Get immediate medical attention. If vomiting occurs, give more fluids.
Inhalation:	Remove to fresh air. Get medical attention if irritation develops.

SECTION VI - HANDLING AND STORAGE

If Material Is Released Or Spilled:	Unused product should be swept up and discarded or repackaged.
Waste Disposal Method:	Unused product may be disposed of by any appropriate means, including land filling. All federal, state, and local regulations should be followed.

SECTION VII - CONTROL MEASURES

Eye Protection:	Safety glasses or goggles recommended.
Protective Gloves:	Recommended.
Other Protective Clothing:	None required.
Respiratory Protection:	A high efficiency particulate filter is recommended, whenever excessive dust may be generated.
Ventilation:	Local exhaust is recommended, sufficient to control dust.
Work/Hygienic Practices:	Wash thoroughly with soap and water after handling.

OTHER: CAUTION!! This product, when wet, removes oxygen from the air causing a severe hazard to workers in confined spaces. Sampling and work procedures for low oxygen levels should be taken whenever workers may be entering vessels, enclosed, or confined spaces. All federal, state, and local regulations should be observed.