Section 1: Identification of Product and Supplier

Product Name:	Synthetic Graphite
Trade Name:	Mersen Grade E+25
Recommended Use:	High-temperature all-purpose material noted for its machinability, thermal and electrical conductivity, chemical stability, lubrication properties, and light weight.
Supplier Information:	Mersen USA GS Corp. - St Marys 215 Stackpole Street St. Marys, PA 15857 814.781.1234
Emergency Phone:	800.424.9300 (CHEMTREC)

Section 2: Hazards Identification

GHS Classification:	This product is not classified as hazardous.
OSHA Hazard Category:	Combustible Dust - May form combustible dust concentrations in air. (This material poses no hazard in its shipped form. Further processing may produce dust that can form combustible concentrations in air.)
Signal Word:	Warning (OSHA)
Symbols:	None
Risk Phrases:	None
Other hazards:	Dust generated from this product may be slightly irritating to the eyes and lungs. Repeated and prolonged exposure to graphite dust may lead to pneumoconiosis.

Section 3: Composition

Chemical Identity:	100% Graphite
Synonyms:	Synthetic Graphite
Unique Identifiers:	CAS: 7782-42-5, EINECS: 231-955-3
Impurities:	None

Section 4: First Aid Measures

General Information:	Do not give victim anything to drink if unconscious. Get medical assistance if troubles continue. Physician should treat symptomatically.
If Inhaled:	If large quantity is inhaled, get out of polluted area and breathe fresh air. Place unconscious person on side in the recovery position to ensure breathing.
Contact with Skin:	Wash with soap and water. Rinse well.
Contact with Eyes:	Rinse with large quantity of water. Remove contact lenses before rinsing. Seek medical attention if irritation persists.
Ingestion:	Rinse mouth and drink water. Seek medical attention if trouble ensues.

Section 5: Fire-fighting Measures

Extinguishing Media:	Foam, carbon dioxide, dry powder, sand
Extinguishing Media Not to Be Used:	Water
Firefighting Precautions:	Self-contained breathing apparatus and protective clothing should be worn.
Specific Hazards:	Heat decomposition causes formation of irritating gases and vapors. Dust may form explosive mixture with air.

Section 6: Accidental Release Measures

Personal Precautions:	Use filtered breathing mask (respirator) appropriate for graphite dust and safety goggles.
Environmental Precautions:	Not particularly dangerous to environment, but precautions should be made to prevent dust from entering drains and soil.
Clean Up:	Use industrial vacuum and wear personal protective equipment.

Section 7: Handling and Storage

Safe Handling:	Store and handle in a manner that avoids excessive dusting. When exposed to extremely high energy ignition sources, fine graphite dust can form explosive mixtures with air.
Safe Storage:	Avoid storing near/with oxidizing agents.

Section 8: Exposure Controls and Personal Protection

Exposure Limits:	OSHA PEL for Graphite Dust: 15 mg/m^3 Total Dust 5 mg/m^3 Respirable Fraction
Engineering Controls:	Ventilate and control dust at source.
Personal Protection Measures:	Wear filtered mask (respirator) and safety glasses/goggles. Remove from contaminated clothing. Keep away from food and drink. Wash hands after handling and before eating.

Section 9: Physical and Chemical Properties

Appearance:	Solid	**Explosive Limits:**	Explosive mixtures in air can appear in the case of dust formation.
Color:	Grey to Black	**Vapor Pressure:**	Not applicable

Odor:	None	**Vapor Density:**	Not applicable
pH:	Not applicable	**Relative Density:**	1.6 - 2.0
Melting Point:	Not applicable	**Solubility:**	Insoluble in water and classical solvents
Boiling Point:	Not applicable	**Partition coefficient:**	Not applicable
Flash Point:	> 600° C (dispersed dust)	**Auto-ignition Temp:**	Not applicable
Evaporation Rate:	Not applicable	**Decomposition Temp:**	Not applicable
Flammability:	Not applicable	**Viscosity:**	Not applicable

Section 10: Stability and Reactivity

Reactivity and Stability:	Stable under normal temperature conditions. Stable up to 2500 C in the absence of oxygen.
Hazardous Reactions:	Hazardous polymerization will not occur.
Incompatible Materials:	Oxidizing agents should be avoided.
Hazardous Decomposition Products:	CO, CO_2

Section 11: Toxicological Information

Exposure by Inhalation:	LC50: 64400 mg/m^3 (rat)
Exposure by Ingestion:	LD50: > 10000 mg/m^3 (rat)
Exposure to skin/eyes:	Slightly irritating to eyes. Skin contact poses no problems.
Chronic Toxicity:	Repeated and prolonged exposure to graphite dust may lead to pneumoconiosis.
Carcinogenicity:	Not listed by IARC, NTP or OSHA

Section 12: Ecological Information

Ecotoxicity:	No effects expected.
Persistence/Degradability:	Not degradable
Potential to Bio-accumulate:	Graphite is not soluble, and will not bio-accumulate.
Mobility in Soil:	Highly unlikely to cause widespread contamination.

Section 13: Disposal Considerations

Product Disposal:	When recycling is not an option, dispose of waste in accordance with local regulations.

Section 14: Transportation Information

Transportation:	This product is not defined as hazardous by DOT or IATA for road, railway, sea or air transport.

Section 15: Regulatory Information

GHS Labeling:	Does not require hazard warning label or symbols
OSHA Labeling:	Warning. Combustible Dust - May form combustible dust concentrations in air.
Hazardous Substance	None
Risk Phrases	None
Safety Phrases	None
US Federal Regulations:	This material **DOES NOT** contain any chemicals required to be identified under SARA Sections 302/304 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), CERCLA (40 CFR 302.4), or TSCA 12(b).

Section 16: Other Information

Regulation:	This SDS is in accordance with the Globally Harmonized Classification of Labeling and Chemicals (GHS)
Issued by:	EHS Department – Mersen St. Marys
Notes:	This SDS is based on knowledge of the product as of the date of revision. The information is not exhaustive, and does not exempt the user from ensuring other legal obligations are met in regards to the holding and handling of this product.