

MICRON RESEARCH CORPORATION

MATERIAL SAFETY DATA SHEET

IDENTIFICATION

EDM Graphite
Product: Carbon or Graphite, Various grades
Chemical Family: Carbon
DOT Hazard Class: Inert

INGREDIENTS/COMPOSITION (Inert and Hazardous)

Carbon/Synthetic Graphite
CAS #: 7440-44-0/7782-42-5
Percent: 100
TLV: 10 mg/M³
PEL: 15 mg/M³

PHYSICAL DATA

Boiling Point:	None	Melting Point:	None
Evaporation Rate:	None	Solubility in Water:	Insoluble
Appearance:	Grey-Black Solid	Specific Gravity:	1.9-2.2
Odor:	None	Vapor Density:	0.1%
Vapor Pressure:	Negligible at Room Temp.	Volatiles by Weight:	Negligible at RT

HEALTH HAZARD DATA

Primary Routes of Entry: Inhalation of Dust
Effects of Overexposure: None. These products are generally in solid form and do not generate any dust unless forcibly altered as in a machining process. If dust from the product is present, prolonged or repeated breathing of the dust may cause benign pneumoconiosis.

EMERGENCY & FIRST AID PROCEDURES

Eyes: Flush with water if irritation from dust occurs.
Skin: None necessary.

FIRE & EXPLOSION DATE

Flash Point: None
Lower/Upper Explosive Limits: None
Extinguishing Media: Water, CO₂, Sand
Extinguishing Media to Avoid: None
Hazardous Decomposition Products: In normal combustion, CO₂, and CO
Unusual Fire & Explosive Hazards: None

REACTIVITY DATA

Stability: Stable
Hazardous Polymerization: Will not occur
Incompatibility (Materials to avoid): None

SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled: Use normal housekeeping procedures.
Waste Disposal: Bury as a non-hazardous solid in a sanitary landfill or burn in a suitable combustion chamber.

SPECIAL PROTECTIVE EQUIPMENT

Respiratory Protection: Use an approved respirator for nuisance dusts if dust level exceeds PEL limit.
Protective Gloves: Not Required.
Eye Protection: Safety glasses recommended if airborne particles are produced.
Other Protective Equipment: None