

EMS CATALOG NO: 12650
EMS PRODUCT: Colloidal Graphite
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MATERIAL SAFETY DATA SHEET

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FOR PRODUCT AND SALES INFORMATION

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PRODUCT IDENTIFICATION

PRODUCT NAME: **Colloidal Graphite, Water Base**
CHEMICAL FAMILY: Graphite in water
CHEMICAL NAME/SYNONYMS: Mixture

HAZARD INGREDIENTS

CHEMICAL NAME: CAS NO: WT %: EXPOSURE LIMIT:

Graphite	7782-42-5	5-10	5.00 pel/2.00 tlv
Water	7732-18-5	60-100	n/a
Ammonium Hydroxide	1336-21-6	1-5	25.0 ppm/pel

PHYSICAL DATA

BOILING POINT:	212°F
VAPOR PRESSURE:	17.00mm Hg at 20°C
VAPOR DENSITY:	N/A
MELTING POINT:	32° F pH: 10.0 to 10.5
EVAPORATION RATE:	(butyl acetate=1): As waster
VOLATILE:	78.0
SPECIFIC GRAVITY:	1.12
SOLUBILITY IN WATER:	Miscible
APPEARANCE/ODOR:	Thixotropic black paste; ammoniacal odor.

FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:	N/A
FLAMMABLE LIMITS:	UPPER: N/A LOWER: N/A
EXTINGUISHING MEDIA:	None
SPECIAL FIRE FIGHTING PROCEDURES:	None
UNUSUAL FIRE AND EXPLOSION HAZARDS:	None

HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE:

INHALATION: No acute effects expected within exposure limits.

INGESTION: Low order of toxicity.

EYE: May cause temporary eye irritation.

SKIN: Repeated or prolonged contact can cause irritation and dermatitis.

EMERGENCY AND FIRST AID PROCEDURES:

INHALATION: If affected, remove individual to fresh air.

INGESTION: Keep individual calm and seek medical attention immediately.

EYE: Flush eyes with water and seek medical attention if irritation occurs.

SKIN: Wash with soap and water; remove contaminated clothing and launder before reuse.

REACTIVITY DATA

STABILITY: Stable

HAZARDOUS POLYMERIZATION: None

INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizers.

CONDITIONS TO AVOID: Freezing and incompatibility

HAZARDOUS DECOMPOSITION OF PRODUCTS: CO, CO₂.

SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Apply absorbent material and transfer to containers.

WASTE DISPOSAL METHOD:

Consult with Federal, State and local waste regulations.

SPECIAL PROTECTION INFORMATION

VENTILATION REQUIREMENTS: Provide sufficient mechanical ventilation to maintain exposure below TLV(S).

PROTECTIVE EQUIPMENT:

EYE: Wear splash goggles or other appropriate eye protection.

GLOVE: Wear protective gloves to prevent repeated or prolonged contact.

RESPIRATOR: None

OTHER: No special equipment deemed necessary under normal usage.

SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

Avoid prolonged inhalation of mists or vapors.

TRANSPORTATION INFORMATION

US DOT: Not Regulated