GSTROM SCIEN

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MATERIAL SAFETY DATA SHEET COMPLIES WITH 29 CFR 1910.1200. **OSHA HAZARD COMMUNICATION RULE**

DATE OF LAST REVISION: 04-25-96

CHEMICAL IDENTITY

LABEL IDENTITY CHEMICAL NAME/SYNONYMS FORMULA CHEMICAL FAMILY CAS REGISTRY NUMBER HAZARDOUS INGREDIENTS %: 100

CARBON GRAPHITE С CARBON 7782-42-5, LISTED IN THE TSCA INVENTORY GRAPHITE 5mg/m3 OSHA/PEL: 15mg/M3

PHYSICAL AND CHEMICAL PROPERTIES

TLV:

COLOR, FORM AND ODOR **BOILING POINT** DENSITY (gm/cc) VAPOR PRESSURE @ 20° % VOLATILE BY VOLUME (%) **REACTION WITH WATER** EVAPORATION RATE (H20=1) SOLUBILITY IN WATER MELTING POINT

Black powder, no odor NA ND NA NA None NA Negligible NA

FIRE AND EXPLOSION HAZARD DATA

FLASH POINT AUTOIGNITION TEMPERATURE (°C) FLAMMABILITY **EXTINGUISHING MEDIA** SPECIAL FIRE FIGHTING PROCEDURES **UNUSUAL FIRE & EXPLOSION HAZARDS** None None Non-flammable Use water, CO₂, sand SCBA Graphite and carbon dusts are normally not explosive





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HEALTH HAZARD INFORMATION

TOXICITY DATA Scu-rat TDLO = 167mg/kg (8D preg) Inv-mus LD50 = 440mg/kg

HMIS RATING:

HEALTH: 1 FLAMMABILITY: 0 REACTIVITY: 0 PERSONAL PROTECTION: B

ROUTES OF ENTRY

INHALATION: Yes

MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE: Individuals with pre-existing chronic respiratory impairments or with serum antitrypsin deficiency may me at an increased risk of pneumoconiosis.

EFFECTS OF OVEREXPOSURE (acute and chronic):

INHALATION: prolonged & repeated over-exposure may effect breathing efficiency or lead to benign pneumoconiosis.

DERMAL: slight irritant under constant exposure

EYE: at dust levels, it can cause irritation.

OTHER: can cause conjunctivitis epithelial hyperplasia of cornea as well as eczematous, inflammation of eyelids.

CARCINOGENICITY: NA NTP: ND IARC MONOGRAPHS: ND OSHA REGULATE: ND

EMERGENCY FIRST AID PROCEDURES:

INGESTION: none normally required INHALATION: Remove to fresh air, avoid further inhalation SKIN CONTACT: Wash affected area with soap and water EYE CONTACT: Flush eyes for at least 15 minutes with lukewarm water

REACTIVITY DATA

STABILITY CONDITIONS CONTRIBUTING TO UNSTABILITY INCOMPATIBILITY (MATERIALS TO AVOID) HAZARDOUS DECOMPOSITION PRODUCTS HAZARDOUD POLYMERZATION CONDITIONS TO AVOID Stable ND None known CO, CO2 Will Not Occur ND





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SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Sweep up or vacuum. Avoid raising dust.

WASTE DISPOSAL METHOD:

Not regulated as a hazardous waste under RCRA. It can be disposed of with normal refuse.

SPECIAL PROTECTIVE INFORMATION

RESPIRATORY PROTECTION LOCAL EXHAUST MECHANICAL (general) SPECIAL OTHER PROTECTIVE GLOVES EYE PROTECTION OTHER PROTECTIVE EQUIPMENT NIOSH respirator approved for dusts Maintain below PEL ND ND ND Normally not necessary Safety glasses ND

SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING/STORAGE: Store in a dry area.

TRANSPORTATION REQUIREMENTS	DOT CLASS: UN NUMBER: IMCO CLASS: OTHER:	NC NC NC

PRECAUTIONARY LABELING

NONE

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