



SECTION I

MATERIAL NAME AND TRADE NAMES:

HMS

Lionite, Aluminum Oxide; SS, GF, SSK, GFK, SSC, GFC, A/O, AS, AST; Lionblast: LB; Lundite; Futsure; Superfine A/O; MT-2 Fines; AOF; DCF A/O; DCFT; CF #2 A/O

Table with 2 columns: Hazard Category and Rating. Health: 1; Flam.: 0; React.: 0; P.P.E.: E.

MANUFACTURER:

General Abrasive Div. of Abrasive Industries, Inc. 2000 College Avenue MPO Box 1438 Niagara Falls, NY 14302

DATE PREPARED: 1-10-92; EMERGENCY TELEPHONE NUMBER: (716) 286-1234; INFORMATION TELEPHONE NUMBER: (716) 286-1221

CHEMICAL NAME AND SYNONYMS:

CHEMICAL FAMILY: FORMULA:

Fused Aluminum Oxide Refractory Oxide N/A

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Table with 6 columns: INGREDIENT, CAS #, Typical %, OSHA PEL, ACGIH TLV, Listed as Carcinogen. Lists Aluminum Oxide, Titanium Oxide, Silicon Dioxide, Magnesium Oxide, Iron Oxide, and Calcium Oxide.

PEL & TLV for SiO2 = (10 mg/m3) / (% Respirable SiO2+2)

*Respirable fraction 5 mg/m3.

**Listed as Carcinogen by:

- 1. American Conference of Government Industrial Hygienists (ACGIH)
2. International Agency for Research on Cancer Monographs (IARC)
3. Nation Toxicology Program (NTP)
4. California Proposition 65 List (1988)

SECTION III - PHYSICAL / CHEMICAL CHARACTERISTICS

MELTING POINT (°C): 2050°C; SPECIFIC GRAVITY (H2O = 1): 3.95; BOILING POINT (°C): N/A; PERCENT VOLATILES BY VOLUME (%): N/A; VAPOR PRESSURE (mmHg): Essentially 0; EVAPORATION RATE (Butyl Acetate = 1): N/A; VAPOR DENSITY (Air =1): N/A; SOLUBILITY IN WATER: Insoluble

APPEARANCE AND ODOR: Light to Dark Brown; No Odor

Material Safety Data Sheet

Revised by 3/11/88 to Form MSDS 1700

General Abrasive MSDS No. 004

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SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: Nonflammable FLAMMABLE LIMITS: N/A
EXTINGUISHING MEDIA: N/A
SPECIAL FIRE FIGHTING PROCEDURES: N/A
UNUSUAL FIRE AND EXPLOSION HAZARD: N/A

SECTION V - REACTIVITY DATA

STABILITY: Stable CONDITIONS TO AVOID: N/A
INCOMPATIBILITY (MATERIALS TO AVOID): Incompatible with hot chlorinated rubber.
HAZARDOUS DECOMPOSITION PRODUCTS: N/A
HAZARDOUS POLYMERIZATION: N/A CONDITIONS TO AVOID: N/A

SECTION VI - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: See Section II.

CARCINOGENICITY: See Section II.

EFFECTS OF OVEREXPOSURE/ROUTES OF ENTRY: Exposure to excessive airborne concentrations may result in acute respiratory disorders. Individuals with impaired pulmonary function should not be subjected to excessive airborne concentrations. Symptoms of excessive exposure might include deposits of material in eyes, ears, nasal passages and irritation of the mucuous membranes, eyes and respiratory tract. Irritation of the skin may also occur due to mechanical/chemical action.

EMERGENCY AND FIRST AID PROCEDURES: Remove from exposure. Irrigate eyes and skin with copious quantities of water. Seek medical attention.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Normal precautions for inert or nuisance dusts and particulates.
WASTE DISPOSAL METHOD: Dispose of in compliance with all Federal, state and local laws and regulations.
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Use handling procedures which will limit exposure to excessive airborne dust.
OTHER PRECAUTIONS: N/A

SECTION VIII - CONTROL MEASURES

RESPIRATORY PROTECTION: Utilize NIOSH approved respiratory protection devices for nuisance dust.
VENTILATION: Utilize local exhaust to keep airborne concentration below TLV.
PROTECTIVE GLOVES: May be used to prevent dermatitis.
EYE PROTECTION: Utilize NIOSH approved eye protection devices.
OTHER PROTECTIVE EQUIPMENT: Arm sleeves or barrier creams may be useful in the prevention of dermatitis.
WORK/HYGENIC PRACTICES: Maintain normal housekeeping procedures for nuisance dust.

* Information contained herein was obtained from authoritative sources and is believed to be accurate for the purpose to which the product is used to be used. Other uses could result in modifications which are not included within this document.