

Interplastic Corporation
1225 Willow Lake Blvd
Vadnais Heights, MN 55110-5145

24-Hour Emergency Telephone (800) 424-9300

ATTN: PLANT MGR/SAFETY DIR

Revision Date: 04/20/92
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MSDS File id: MSDSLT11
Customer No:
Whse No: 0001

This MSDS complies with 29 CFR 1910.1200 (The Hazard Communication Standard)

I. IDENTIFICATION

Product Name: Fumed Silica
Common Name: Silica Dioxide
Formula: SI02

II. INGREDIENTS AND RECOMMENDED OCCUPATIONAL EXPOSURE LIMITS

Component: Fumed Silica
% Weight: Approx. 100
CAS No.: 68611-44-9
Exposure Limits: OSHA-PEL: 6 mg/m3
Oral LD50: >5800 mg/kg (Rat)
Dermal LD50: None Determined

INGREDIENT HAZARD INFORMATION

No carcinogenicity designated by NTP, IAM, OSHA, or others.

III. PHYSICAL DATA

Boiling Point (oF): Not Applicable
Melting Point (oC): 1700
Vapor Pressure: Not Applicable
Vapor Density: Not Applicable
Appearance and Odor: White, fluffy powder; no odor
Specific Gravity (H2O=1) @ 25o/25: 2.1
pH: 3.6-4.3
Solubility in Water: Insoluble

IV. FIRE AND EXPLOSION HAZARD DATA

Flash Point: Non-flammable

Prevent high dust concentrations in the atmosphere. If not feasible, protect atmosphere against electrostatic charges which could lead to an explosion.

V. REACTIVITY DATA

Stable: Yes

INCOMPATIBILITY: None - Product is inert

HAZARDOUS DECOMPOSITION PRODUCTS
Carbon monoxide and carbon dioxide

Polymerization will not occur.

CONDITIONS TO AVOID
None known

VI. SPILL OR LEAK PROCEDURES

GENERAL: CERCLA/SARA requires notification to the appropriate federal, state, and local authorities of releases of hazardous or extremely hazardous quantities equal to or greater than the Reportable Quantities (RQs) in 40 CFR 302.4 and 40 CFR 355. This product contains no Reportable Quantities.

SARA Title 313 requires submissions of annual reports of releases of toxic chemicals that appear in 40 CFR 372. Components present in this product at a level which could require reporting under the statute: None.

ACTION TO TAKE FOR SPILLS/LEAKS: See Sections V and VI for hazards and exposure controls. For small spills, sweep or shovel solids into proper container for disposal.

DISPOSAL METHOD: This material is non-hazardous (as per RCRA). Dispose of waste in an authorized industrial landfill.

VII. HEALTH HAZARD DATA

EYE CONTACT: May cause eye discomfort. In case of contact, flush eyes with water. Call a physician if discomfort persists.

SKIN CONTACT: May cause drying of the skin. In case of contact, wash skin with soap and water. Call a physician if drying persists.

SKIN ABSORPTION: Not expected to be absorbed through skin. In case of contact, flush skin with soap and water.

INHALATION: May cause physical discomfort to the respiratory tract. If inhaled and discomfort occurs, remove to fresh air. If discomfort persists, call a physician.

INGESTION: Not expected to be toxic by ingestion.

CHRONIC EFFECTS OF OVEREXPOSURE: No chronic (long term) effects are known.

OTHER HEALTH EFFECTS: Medical conditions which may be aggravated by exposure to this product include: conjunctivitis of the eye, dermatitis of the skin, asthma, and respiratory diseases.

RESPIRATORY PROTECTION: Atmospheric levels should be maintained below the exposure limits listed in Section III by using engineering controls. If not feasible, use an approved air-purifying respirator with approved filters and/or sorbents.

OTHER PROTECTION: If repeated or prolonged skin contact or contamination is likely, protective clothing should be worn.

VENTILATION: Provide general and/or local exhaust ventilation to maintain airborne levels below the exposure limits in Section III. Refer to "Industrial Ventilation" by ACGIH for a manual of recommended practices.

PERSONAL HYGIENE/WORK PRACTICES: Establish good personal hygiene and work practices. Always wash hands and face before eating, drinking, and smoking.

VIII. EMERGENCY AND FIRST AID PROCEDURES

INHALATION: Remove from exposure. If breathing has stopped or is difficult, administer artificial respiration (mouth-to-mouth) or oxygen as indicated. Call a physician.

SKIN CONTACT: Remove contaminated clothing. Wash skin thoroughly with soap and plenty of water.

EYE CONTACT: Flush with large amounts of water for at least 15 minutes. Call a physician.

INGESTION: For large amounts, give 1-2 glasses of milk or water. Induce vomiting by touching finger to the back of throat. Never give anything by mouth to an unconscious person.

IX. SPECIAL PROTECTION INFORMATION

EYE PROTECTION: Eye protection is recommended.

SKIN: The primary physiological effect of this product is a drying of the skin, which can be eliminated by using the exposure control measures recommended in Section VII and by applying lotions and barrier creams to the skin.

SPECIAL PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

Extremely flammable; keep away from heat, sparks, and fire. Keep container closed. Store away from oxidizers. Bond and ground containers for transfers of this product to prevent static sparks.

X. REGULATORY STATUS

TSCA STATUS: This product (or its ingredients if it is a mixture) appears on the Toxic Substances Control Act Inventory (TSCA).

HMIS RATINGS (Hazardous Materials Identification System, Scale 0-4):

Health: 2

Flammability: 0

Reactivity: 0

NFPA RATINGS (National Fire Protection Association, Scale 0-4):

Health: 2

Flammability: 0

Reactivity: 0