



Material Data Safety Sheet

Quick Identifier: Silicon Monoxide

I. PRODUCT IDENTIFICATION

Trade Name:	Silicon Monoxide	Formula:	SiO
Synonyms:		Molecular Weight:	
CAS #:	10097-28		

II. HAZARDOUS INGREDIENTS

<u>Hazardous Components:</u>	<u>OSHA PEL:</u>	<u>ACGIH TLV:</u>	<u>Other Limits:</u>
Silicon Monoxide	None	.1mg/m3 Total dust .05mg/m3 Respirable dust	None
Sec. 302 (EHS):	No	Sec. 304 RQ:	No
HMIS Ratings (0-4): Health:	N/A	Flammability:	N/A
HMIS Protective Equipment:	N/A		

III. PHYSICAL DATA

Boiling Point:	N/A	Melting Point:	3000 F
Specific Gravity (H₂O=1):	2.1	Vapor Density (Air=1):	N/A
Vapor Pressure (mm Hg):	N/A	Evaporation Rate:	N/A
% Volatiles by Volume:	N/A	Solubility in H₂O:	N/A

Appearance and Odor: Dark Red or Brown

IV. FIRE AND EXPLOSION HAZARDS DATA

Flash Point/Method:	None
Explosive Limits:	LEL: N/A UEL: N/A
Extinguishing Media:	Non-combustible. Use extinguishing media appropriate to surroundings.
Special Fire Fighting Procedures:	N/A
Unusual Fire and Explosion Hazards:	Melting point of material is over 3000 F

V. HEALTH HAZARD INFORMATION

Routes of Entry:	Inhalation, Skin and Eyes, Ingestion				
Target Organs:	N/a				
Carcinogenicity: NTP:	No	IARC Monographs:	No	OSHA Regulated:	No

LD50/LC50: No toxicity data recorded.

Health Hazards (Acute and Chronic):

Inhalation:

Acute: N/A

Chronic: N/A

Ingestion:

Acute: N/A

Chronic: N/A

Skin:

Acute: N/A

Chronic: N/A

Eye:

Acute: N/A

Chronic: N/A

Signs and Symptoms of Exposures:

Inhalation: Same as long exposure to any non hazardous dust

Ingestion: Same as long exposure to any non hazardous dust

Skin: Same as long exposure to any non hazardous dust

Eye: Same as long exposure to any non hazardous dust

Medical Conditions Generally Allergies

Aggravated by Exposure:

EMERGENCY AND FIRST AID PROCEDURES:

INHALATION: This material is a solid article and has no health hazard unless cause to dust by dry cutting

INGESTION: or grinding. Have proper ventilation and wear dust masks when cutting or grinding.

SKIN: Wet cutting and/or grinding will prevent dusting of product.

EYE:

VI. REACTIVITY DATA

Stability: Stable

Incompatibility (Material to avoid): N/A

Hazardous Decomposition Products: N/A

Hazardous Polymerization: Will not occur

Conditions to Avoid: N/A

VII. SPILL OR LEAK PROCEDURES

Steps to Be Taken in Case Material Is Released or Spilled: Article are non hazardous unless cut and/or ground. The procedures should be done in a water stream and with dust collection. An OSHA approved dust mask should be worn if adequate dust collection is not available.

Waste Disposal Method: N/A

Other precautions: N/A

Precautions to Be Taken in Handling and Storing: Do not drop. Article may shatter.

VIII. SPECIAL PROTECTION INFORMATION

Respiratory Protection: N/A

Ventilation: Local Exhaust: N/A

Mechanical (General): N/A

Protective Gloves: N/A

Eye Protection: N/A

Other Protective Clothing or Equipment: N/A

Work/Hygienic/Maintenance N/A

Practices:

IX. ADDITIONAL COMMENTS

Some of the chemicals listed herein are research or experimental substances which may be toxic, as defined by various governmental regulations. In accordance with Environmental Protection Agency regulations and the Toxic Substance Control Act (TSCA), these materials should only be handled by, or under the direct supervision of a “technically qualified individual”, as defined in 40 CFR 710.2(aa).

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