

MATERIAL SAFETY DATA SHEET

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MSDS No. 9426304 9426306
Effective Date: September 12, 2002

SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

Product	Silicon Metal Lumps	416-984-3000		Health	0	
Chemical Synonyms	Silicon Metal			Flammability	0	
Formula	Si	HAZARD RATING		Reactivity	0	
CAS No.	7440-21-3	LEAST	SLIGHT	MODERATE	HIGH	EXTREME
		0	1	2	3	4

SECTION II DANGEROUS INGREDIENTS

Name	%	TLV Units
Silicon Metal Lumps	100%	N/A

CAUTION!

SECTION III PHYSICAL DATA

Melting Point (°C)	1440°C	Specific Gravity (H ₂ O = 1)	2.3
Boiling Point (°C)	N/A	Percent Volatile by Volume (%)	N/A
Vapor Pressure (mm Hg)	N/A	Evaporation Rate (=1)	N/A
Vapor Density (Air=1)	N/A		
Solubility in Water	Insoluble.		
Appearance & Odor	Metallic silver lumps; no odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash point	Not flammable.	Flammable Limits in Air % by Volume	N/A	Lower	Upper
Firefighting Procedures	Use dry chemical, CO ₂ , alcohol foam, or water spray.				

Flammability and Explosion Hazards

No specific information is available.

TDG Not a TDG controlled material.

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Swift Science

SECTION V REACTIVITY DATA SS0151

Chemical Stability	Yes	X	If no, under what conditions?
	No		Avoid generation of airborne dust.
Incompatible with Other products	Yes	X	Acids and strong bases (avoid resulting fumes).
	No		

Hazardous Decomposition Products: None known.

Reactive under what conditions: Not applicable.

SECTION VI TOXICOLOGICAL PROPERTIES

Route of Entry	Inhalation. Ingestion.
TLV	Not available.
Toxicity for animals	Not available.
Chronic effects on humans	There is no known effects from chronic exposure to this product. Target organs: None known.
Acute effects on humans	Inhalation of dust may cause irritation. Low hazard in the form of lumps.

SECTION VII PREVENTIVE MEASURES

Waste Disposal	Discharge, treatment, or disposal may be subject to local laws. Consult your local or regional authorities.
Storage	Keep container dry. Keep in a cool place. Keep container tightly closed.
Precautions	Avoid contact with skin and eyes. Do not ingest. Do not breathe dust.
Spill or leak	Use appropriate tools to put the spilled solid in a convenient waste disposal container. Wash spill area with soap and water.
Protective Clothing	Gloves, safety glasses, lab coat, dust respirator.

SECTION VIII FIRST AID MEASURES

Specific first aid measures

Ingestion: Call physician or Poison Control Center immediately. Induce vomiting only if advised by the appropriate medical personnel. Eye contact: Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek medical attention. Skin contact: Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Inhalation: Move victim to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Allow victim to rest in a well ventilated area. Seek immediate medical attention.

SECTION IX PREPARATION OF THE MSDS

Rev. No. 2 Date September 12, 2002 Approved Michael Raszeja