

SAFETY DATA SHEET

SCX-Silica SDS - Bulk and Cartridge

Revision Date: 31-May-18

Section 1: Chemical Product and Company Identification

Product Name SCX-Silica

Product Number(s):

Product Synonym(s): CAS# 63231-67-4

Identified Uses: Laboratory chemicals, manufacture of substances

Manufacturer: Eichrom Technologies LLC
1955 University Lane
Lisle, Illinois 60532

General Information: (8-5 CST M-F)
800-422-6693 (in USA)
630-963-0320

24 Hour Emergency Number (US/Canada): 1-800-255-3924 CHEMTEL Contract #:MIS9554039

24 Hour International Access Number: 1-813-248-0585

Country Specific Emergency Numbers:

Australia: 1-300-954-583

India: 000-800-100-4086

Brazil: 0-800-591-6042

Mexico: 1-800-99-731

Section 2: Hazard(s) Identification

2.1 Classification of the substance or mixture

GHS Classification of substance or mixture in accordance with 29 CFR 1910 (OSHA HCS)

Skin Irritant

Eye Irritant

Respiratory Tract Irritation

2.2 GHS Label elements, including precautionary statements

Pictogram:



Signal Word

Warning

Hazard Statement(s):

H315 Causes skin irritation
H319 Causes serious eye irritation
H335 May cause respiratory irritation

Precautionary Statement(s):

Prevention	P261	Avoid breathing dust.
	P264	Wash hands thoroughly after handling.
	P271	Use only outdoors or in a well-ventilated area.
	P280	Wear protective gloves, clothing, and eye protection.
Response	P302+P352	IF ON SKIN: Wash with plenty of soap and water.
	P304+P340	IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
	P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	P312	Call a POISON CONTROL CENTER or doctor if you feel unwell.
	P332+P313	If skin irritation occurs, seek medical attention.
	P337+P313	If eye irritation persists, get medical attention.
	P362+P364	Take off contaminated clothing and wash before reuse.
Storage	P403	Store in a well-ventilated place.
Disposal	P501	Dispose of contents/container in accordance with federal, state, and local regulations.

2.3 Hazards Not Otherwise Classified (HNOC) or not covered by GHS:**Section 3: Composition / Information on Ingredients**

Component	CAS_Number	Percentage Range
Amorphous Silica - chemically modified with sulfonic acid	63231-67-4	100%

Section 4: First-aid Measures

Ingestion	Rinse mouth and call a POISON CONTROL CENTER or doctor if you feel unwell.
Skin Contact	Wash immediately with soap and copious amounts of water. Remove and wash contaminated clothing promptly. If irritation develops, seek medical attention.
Eye Contact	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical attention.
Inhalation	IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
Most important symptoms and effects, both acute and delayed	No further relevant information available.
Indication of any immediate medical attention and special treatment needed	Treat according to symptoms (decontamination, vital functions), no known specific antidote.

Section 5: Firefighting Measures

Extinguishing Media	Foam, CO2, Dry Chemical Use fire extinguishing methods suitable to surrounding conditions
Fire and Explosion Hazards	Highly toxic and irritating fumes may be released and extinguishing water runoff may be toxic.
Protective Equipment	Wear positive pressure self-contained breathing apparatus and full personal protective equipment.
Special Hazards	No further relevant information available.

Section 6: Accidental Release Measures

Personal precautions	Surface may be slippery. Use proper personal protect equipment (specified in section 8)
Environmental Precautions	Avoid release to the environment.
Methods and materials for containment and clean-up	Sweep up material and transfer to a suitable container for disposal.
Reference to other sections	For disposal see section 13.

Section 7: Handling and Storage

Conditions for safe handling	Avoid formation of dust and aerosols. Use mechanical exhaust if dust is formed.
Conditions for safe storage	Normal warehouse storage in cool, dry area is satisfactory.
Specific End Use(s)	Apart from the uses mentioned in section 1 no other specific uses are stipulated.

Section 8: Exposure Controls / Personal Protection

Control Parameters	Contains no substances with occupational exposure limit values. Per OSHA 29 CFR 1910.1000 Table Z-3, for amorphous silicas PEL is 80 mg/m3 (8h TWA) Per OSHA 29 CFR 1910.1000 Table Z-3, for amorphous silicas PEL-TWA (8 hr) is 20 million particulates per cubic foot (706 million particulates/m3)
Eye protection	Wear safety glasses.
Body protection	Wear protective gloves and clothing.
Respiratory protection	Do not breathe dust.

Section 9: Physical Properties

Information on basic physical and chemical properties

Appearance:	Powder white granules	Explosion Limits (Upper/Lower):	Not Established.
Odor:	Odorless	Flash Point:	Not applicable.
Odor Threshold:	No data available	Flammability:	May form combustible dust concentrations in air.
pH:	Not Relevant	AutoIgnition Temperature:	No data available
Melting Point:	No data available.	Decomposition Temperature	No data available
Boiling Point:	No data available.	VaporPressure:	Not Applicable.
Relative Density:	2.1 g/mL at 25°C	VaporDensity:	Not Applicable.
Solubility:	Practically insoluble in water.	Evaporation Rate:	Not available.
Partition Coefficient:	No data available		
Viscosity:	Not Applicable		

Section 10: Stability and Reactivity

Reactivity	No hazardous reactions if stored and handled as indicated.
Chemical Stability	Stable under normal handling and storage conditions.
Hazardous Reactions	No hazardous reactions are expected in normal laboratory use. Hazardous polymerization will not occur.
Conditions to Avoid	Avoid all sources of ignition; heat, sparks, open flame. Avoid electro-static discharge.
Materials to Avoid	There are no known materials which are incompatible with this product.
Hazardous decomposition Products	Thermal decomposition may yield the following: monomer vapors.

Section 11: Toxicology Information

Acute Toxicity	
Oral Effects	LD50 (Rat), 48-hour > 31,600 mg/kg
Inhalation Effects	LC50 (Rat), 1-hour > 2 mg/l
Dermal Effects	LD50(Rabbit), 48-hour > 2,000 mg/kg
Skin corrosion/irritation	Can act as a desiccant and can cause drying irritation of the mucous membranes and skin in cases of severe exposure.
Serious eye damage/irritation	May cause irritation or corneal injury.
Respiratory or skin sensitization	Considered a nuisance dust.

Section 12: Ecological Information

	*The product has not been tested. The statement has been derived from the properties of individual components using an additivity method.
Aquatic Toxicity	No data are available on the adverse effects of this material on the environment.
Persistence and degradability	Persistence and degradability: No further relevant information available.
Bioaccumulative potential	Bioaccumulative potential: No further relevant information available.
Mobility in Soil	Mobility in soil: No further relevant information available.
Other	Not known to have any adverse effect on the aquatic environment. It is insoluble and non-toxic.

Section 13: Disposal Considerations

General	Dispose of contents/container in accordance with federal, state, and local regulations.
Unused:	Bury resin in licensed landfill or burn in approved incinerator equipped with an afterburner and scrubber according to local, state, and federal regulations.
Used:	For resin contaminated with hazardous materials, dispose of mixture as hazardous material according to local, state, and federal regulations.

Section 14: Transport Information

Air Transport:	Not Hazardous per IATA 2014
Ground Transport:	Not D.O.T. Hazardous
Water Transport:	Not Hazardous per IMDG 2012.

Section 15: Regulatory Information

US Federal Regulations	Toxic Substances Control Act (TSCA): This material is provided to you under the research and development (R&D) exemption.
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Section 16: Other Information

Revision	Updated to GHS SDS format, including classification
	31-May-18: Product Name Correction
	Replaces 31-Mar-17 Revision of SCX-Silica Resin
SDS Prepared By:	Eichrom Technologies LLC

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