

Section 1-Chemical Product and Company Identification

Z3-95 Silica Fume

Technical Silica Company
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Section 2-Hazards Identification

Fatalness grade: In accordance with Directive 2001/58/EC, the sample does not belong to dangerous article.

Invasion route: Skin, eyes, inhalation, ingestion.

Health Hazards: The main harm to the body is that the inhaled silica dust may cause silicosis.

Environment hazards: Not available.

Burn & burst danger: This product doesn't burn.

Section 3-Composition/Information on Ingredients

Pure **Admixture**

Composition:

CAS No.	Chemical Name	Percent
14808-60-7	SiO ₂	85~97%
1309-37-1	Fe ₂ O ₃	0.1~0.28%
1344-28-1	Al ₂ O ₃	0.1~0.44%
1305-78-8	CaO	0.1~0.27%
1309-48-4	MgO	0.1~0.4%
12136-45-7	K ₂ O	0.2~1.3%
1313-59-3	Na ₂ O	0.1~0.3%
7440-44-0	C	0.1~1%

Section 4-First Aid Measures

Skin touch: Flush with plenty of water.

Eyes touch: Lifting the eyelids, flush with plenty of water or saline water. Get medical aid.

Safety Data Sheet

Inhalation: Remove the patient to fresh air.

Ingestion: Drink sufficient hot water and induce vomiting. Get medical aid.

Section 5-Fire Fighting Measures

Danger characteristic: This product does not burn.

Harmful combustion products: Not available.

Fire-Fighting method & media: Move the containers to empty place as far as possible. Extinguisher: Mist water, foam, dry powder, CO₂, sandy soil.

Section 6-Accidental Release Measures

Emergency treatment: The emergency treatment personnel should wear dust mask and generally work overalls.

Section 7-Handling and Storage

Handling: With closed operation. Prevent dust released into the air. The operating staff must have received special training and abide by the operating regulations. Avoid produce the dust. Avoid contact with chlorine trifluoride.

Storage: Keep the sample in the cool, well-ventilated place. Keep away from fire and heating sources. Keep the container closed. The storage place should be equipped with devices for divergence handling and suitable materials.

Section 8-Exposure Controls, Personal Protection

Maximum admissible concentration: No standard yet.

Monitoring Methods: Not available.

Engineering controls: The workplaces need to install ventilation device.

Respiratory protection: Wear the self-inhalation filtertype dust respirator when the dust concentration exceed bid in air.

Eyes Protection: Wear chemical safety protective glasses.

Body protection: Not available.

Hands Protection: Wear rubber gloves.

Other Protections: No dining or drinking water in the workplace. Keep good habit of hygiene.

Section 9-Physical and Chemical Properties

Flash point: Not available.

Appearance: Gray powder.

Melting point: 1710°C

Absorption wavelength: Not available.

Boiling point: 2230°C

Density: 2.2 g/cm³

Acid Value: Not available.

PH Value: Not available.

Safety Data Sheet

Permission of solvent inhalation: Insoluble in water and acid, soluble in hydrofluoric acid.

Section 10-Stability and Reactivity

Stability: Stable under normal temperatures and pressure.

Distribution of Ban: Chlorine trifluoride.

Conditions to Avoid: Not available.

Hazardous Polymerization: Not available.

Hazardous Decomposition Products: Not available.

Section 11-Toxicological Information

Acute Toxicity: Not available.

Sub-acute and Chronic Toxicity: Not available.

Irritation: Not available.

Sensitization: Not available.

Mutagenicity: Not available.

Carcinogenicity: Not available.

Others: Not available.

Section 12-Ecological Information

Eco-toxicity: Not available.

Ecological inert: Not available.

Biodegradable: Not available.

Non-biodegradable: Not available.

Bioconcentration or biological accumulation: Not available.

Other harmful effects: Not available.

Section 13-Disposal Considerations

Nature of waste: Not available.

Waste disposal methods: Refer to National or Local regulations before handling.

Attention abandoned: Not available.

Section 14-Transport Information

Number of dangerous goods: Not available.

UN Number: Not available.

Packaging Mark: Not available.

Packaging Method: Not available.

Transport Attentions: Examine whether the package of the containers are integrate before transport. No collapse, no precipitation or no damage during the course of transportation. Don't put the goods together with chief food or chemicals.

Section 15 -Regulatory Information

Regulatory Information: Not available.

Safety Data Sheet

Section 16-Additional Information

References: Not available.

Guidance departments: Not available.

Data audit unit: Not available.

Laws Help: Not available.

Other Information: The above information is based on the data of which we are aware and is believed to correct as of the data hereof. Since this information may be applied under conditions beyond our control and with which may be unfamiliar and since data made available subsequent to the data hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.

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