

MATERIAL SAFETY DATA SHEET

FUSED SILICA (Amorphous Silica / Silicon Dioxide, SiO₂)

FILE NO.	06-0510 Ver.3
MSDS DATE	August 1, 2026
VALIDITY	5 Years
PRODUCT NAME	FUSED SILICA/FUSED SILICA SAND/ FUSED SILICA POWDER
MANUFACTURER	Lianyungang Chemsizes International Trading Co., Ltd.
ADDRESS	1-715#, Shanghai Square, Huiquan Road, Economic and Technological Development Zone, Lianyungang, Jiangsu, China
TELEPHONE	0518-82326257
FAX	N/A
CHEMICAL FORMULA	Silicon Dioxide (SiO ₂)
PRINTED DATE	August 1, 2026

SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

Product Name	FUSED SILICA/FUSED SILICA SAND/ FUSED SILICA POWDER
Manufacturer	Lianyungang Chemsizes International Trading Co., Ltd.
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Chemical Formula	Silicon Dioxide (SiO ₂)
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SECTION 2 COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	Chemical Formula	% WT	CAS No.	EINECS No.
Silicon Dioxide	SiO ₂	99.8%	60676-86-0	N/A
Water	H ₂ O	0.2%	7732-18-5	231-791-2

SECTION 3 HAZARDS IDENTIFICATION

Emergency Overview	Over exposure to dusty particulate may cause irritation. Not classified as hazardous under OSHA / CLP.
Routes of Entry	Inhalation
Eyes	May cause irritation of eyes.
Skin	May cause irritation of skin.
Ingestion	May cause irritation of stomach.
Inhalation	May cause irritation of upper respiratory tract.

Acute Health Hazards	Excessive inhalation (above TLV/PEL) of product dusts over a long period of time may cause a disabling lung disease (Silicosis or Pneumoconiosis) which reduces breathing capacity and can lead to increased susceptibility to other lung diseases.
Medical Conditions Aggravated by Exposure	Pre-existing chronic lung conditions such as, but not limited to, bronchitis, emphysema and asthma.
Classification (EC) No. 1272/2008 (CLP)	The product is not classified as hazardous according to OSHA regulations. The product does not have a classification according to the CLP regulations.
Hazard Pictogram(s)	NONE / NOT REGULATED
Signal Word(s)	NOT REGULATED

Labeling & Ratings

Hazard-Determining	NONE
Hazard Statement(s)	NOT REGULATED
Precautionary Statement(s)	NOT REGULATED
NFPA Ratings (0-4)	Health = 0 Fire = 0 Reactivity = 0
HMIS Ratings (0-4)	Health = 0 Fire = 0 Reactivity = 0
HMIS Long-Term Health Hazard	NONE
Other Hazards (PBT)	NOT APPLICABLE

SECTION 4 FIRST AID MEASURES

Eyes	Flush eyes with fresh water for over 15 minutes. Call a doctor.
Skin	Wash the affected areas with water to remove product from skin. Call a doctor.
Ingestion	Wash mouth with fresh water. Call a doctor.
Inhalation	Remove to fresh air immediately. Call a doctor.
Notes to Physicians / First Aid Providers	None.

SECTION 5 FIRE FIGHTING MEASURES

Flammable Limits in Air (Upper / Lower)	Not available / Not available
Flash Point	Not available
Autoignition Temperature	Not available
NFPA Hazard Classification	None
Extinguishing Media	Use fire extinguishing media appropriate to the surrounding area.
Special Fire Fighting Procedures	None
Unusual Fire and Explosion Hazards	None
Hazardous Decomposition Products	None
Notes	This product is non-combustible except package materials.

SECTION 6 ACCIDENTAL RELEASE MEASURES

In case of spill or leak, avoiding raising dust, carefully sweep up (use a vacuum cleaner if needed) and remove. Do not wash away into sewer or waterways.

SECTION 7 HANDLING AND STORAGE

Handling	Use only in well-ventilated areas. Be careful to avoid raising dust. Use an approved dust respirator to avoid breathing dust. Handle on the windward side. Keep the working area clean.
Storage	Use a general container to store the powder. Keep container closed when not in use. Keep away from sunshine, water, moisture and heat to avoid quality change. Store at room temperature.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls	Make available near the working area the eye-washing stations and safety shower.
Ventilation	Equip local exhaust ventilation, and a hood or enclosure to avoid dispersal of dusty particulate into workplace air.
Respiratory Protection	Use dust respirators for emergency or non-routine situations where dust levels may exceed PEL. Use a half respirator approved by NIOSH for exposures up to ten times PEL. For exposures up to one hundred times PEL, use a full-face respirator with replaceable dust filter. For exposures above one hundred times PEL, use an approved air-supplied respirator.
Eye Protection	Glasses with side shields or safety goggles are necessary to protect the eyes from dusty particulate.
Skin Protection	Wear clean working clothing with long sleeves.
Other Protective Clothing or Equipment	Wear protective gloves and arm covers. Thermal hazards: wear appropriate thermal protective clothing when necessary.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Sand or Powder
Odor	Odorless
Physical State	Solid
pH	Not available
Boiling Point	2230 °C
Melting Point	Not available
Softening Point	ca. 1650 °C
Freezing Point	Not available
Vapor Pressure (mmHg)	Not available
Vapor Density (Air = 1)	Not available
Specific Gravity (H ₂ O = 1)	2.21
Evaporation Rate	Not available
Solubility in Water	Insoluble

Molecular Weight	60.09
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SECTION 10 STABILITY AND REACTIVITY

Conditions to Avoid (Stability)	Not known
Incompatibility (Material to Avoid)	Hydrofluoric acid; little soluble in strong bases
Hazardous Decomposition or By-Products	None
Hazardous Polymerization	Will not polymerize.
Conditions to Avoid (Polymerization)	None

SECTION 11 TOXICOLOGICAL INFORMATION

RTECS No.	VV7328000
Toxicological Information	No data available.

SECTION 12 ECOLOGICAL INFORMATION

No data available. Release may cause environmental hazard.

SECTION 13 DISPOSAL CONSIDERATIONS

Waste Disposal Method	Non-biodegradable. Follow all regulations in your country. Reclamation is recommended.
RCRA Hazard Class	No information available.

SECTION 14 TRANSPORT INFORMATION

UN Class	None
IMDG / IMO	Not regulated. According to IMDG/IMO, it is not dangerous cargo.

SECTION 15 REGULATORY INFORMATION

U.S. Federal Regulations

TSCA (Toxic Substances Control Act)	CAS# 60676-86-0 is listed on the TSCA inventory.
CERCLA (Comprehensive Response, Compensation, and Liability Act)	None
SARA Title III	None
SARA Section 302 (TPQ) / 304 (RQ)	None
SARA Section 313 Reportable Ingredients	None
Clean Air Act (Class 1 & Class 2)	None
State Regulations	No information available.
International Regulations	No information available.

SECTION 16 OTHER INFORMATION

Preparation Information

Revised on August 1, 2026 Ver.3

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----- End of MSDS -----