



## L.S.K. Enterprise Sdn. Bhd.

### SAFETY DATA SHEET

#### Section 1 - Product Identification and Use

Product Identifier:	SILICA SAND – ≥ Mesh # 2 SILICA SAND – Mesh # 2/4 SILICA SAND – Mesh # 4/8 SILICA SAND – Mesh # 5/8 SILICA SAND – Mesh # 5/100 SILICA SAND – Mesh # 6/8 SILICA SAND – Mesh # 8/16 SILICA SAND – Mesh # 8/100 SILICA SAND – Mesh # 16/30 SILICA SAND – Mesh # 20/40 SILICA SAND – Mesh # 25/70 SILICA SAND – 0.5-0.8mm <b>SILICA SAND – ≤ Mesh 30 / ≥ 600µm</b>
Category:	Mineral
Formula:	SiO <sup>2</sup>
Product Use:	Water filtration & treatment, Sand blasting abrasive, Paint, Cement products, Non-slip aggregates, ISO testing laboratories and etc.
Supplier:	L.S.K. Enterprise Sdn. Bhd.
Address:	Lot 62058, 5 ¾ Miles, Jalan Gopeng, Simpang Pulai, Kampung Kepayang, 31300 Ipoh, Perak, Malaysia
Telephone number:	+605-357 1250
Facsimile number:	+605-357 1361
Emergency number:	999

#### Section 2 - Hazard Identification

Sand & gravel are odourless. It is not combustible or explosive. A single, short term exposure presents little or no hazard. Use proper engineering controls, work practices, and Personal Protective Equipment (PPE) to prevent exposure to dust.

Health Hazards:	None
Environment Hazards:	None
Chemical & Physical Hazards:	None

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### Section 3 - Composition / Information of Ingredients

Chemical:	SiO <sup>2</sup> - (ca. 95%) Mineral and Organic Impurities (e.g. Al <sub>2</sub> O <sub>3</sub> , MgO, CaO, MnO, Fe <sub>2</sub> O <sub>3</sub> , SO <sub>3</sub> and etc.) – Balance of %
Respirable Fraction of Quartz Content:	0 – 0.10%
Mineralogical:	alpha quartz
E.I.N.E.C.S.-N°:	238-878-4
C.A.S.-N°:	14808-60-7
GHS Classification:	None
IUPAC Name:	silicon dioxide

### Section 4 - First Aid Measure

Skin Contact:	Wash with cool water and a pH neutral soap or mild skin detergent. Seek medical attention if situation persist for rash and irritation.
Eye Contact:	Rinse eyes thoroughly with water for at least 15 minutes, including under lids, to remove all particles. Seek medical attention if situation persist for abrasion.
Inhalation:	Move victim to fresh clean air. Seek medical attention for discomfort or if coughing or other symptoms do not subside.
Ingestion:	Do not induce vomiting. If conscious, give plenty of water to drink. Seek medical attention or consult physician.

### Section 5 - Fire Fighting Measure

Conditions of Flammability:	N/A	Means of Extinction:	N/A
Upper Flammable Limit:	N/A	Flash Point:	N/A
Lower Flammable Limit:	N/A	Auto-Ignition Temp.:	N/A
Explosion Data (Mechanical):	N/A	Explosion Data (Static):	N/A

## Section 6 - Accidental Release Measures

Personal Precautions: Avoid airborne dust generation. Wear appropriate personal respirator protection if exposure to dust exceeds exposure limits.

Environmental Precautions: None

Methods and materials for containment and cleaning up: Avoid dry sweeping. Use water spraying or High Efficiency Particulate Air (HEPA) filtered vacuum cleaning system to minimize the raising of dust.

## Section 7 - Handling & Storage

General: Stack bagged material in a secure manner to prevent falling. Bagged sand and gravel is heavy and poses risks such as sprains and strains to back, arms, shoulders and legs during lifting and mixing. Handle with care and use appropriate control measures.

Engulfment: To prevent burial or suffocation do not enter confined space, such as silo, bin, bulk truck or other storage container. Sand and gravel can build up or adhere to the walls of a confined space. The sand or gravel release, collapse or fall unexpectedly.

Housekeeping: Avoid actions that cause the sand or gravel to become airborne during clean-up such as hard sweeping or using compressed air. Use PPE described in Section 8.

Shelf life: Indefinite if stored properly.

## Section 8 - Exposure Control / Personal Protection

Engineering Controls: Use local exhaust or general dilution ventilation or other suppression methods to maintain dust levels below exposure limits.

Respiratory: Under ordinary conditions no respiratory protection is needed.

Eye Protection: Wear approved safety goggles when handling dust to prevent contact with eyes.

Skin Protection: Wear gloves in situations where abrasion from sand may occur. Remove clothing and protective equipment that becomes dusty and launder before reusing.

## Section 9 - Physical Properties

Physical state:	<i>Granular Solid</i>	Color:	<i>Tan to off white</i>
Appearance:	<i>White, gray, or tan granular powder</i>	Form:	<i>Free flowing</i>
pH (in water):	<i>Neutral</i>	Evaporation rate:	<i>N/A</i>
Boiling Point:	<i>&gt;1,000°C</i>	Odor:	<i>None</i>
Melting Point:	<i>3110°F/1710°F</i>	Flashpoint:	<i>N/A</i>
Freezing Point:	<i>None, Solid</i>	Flammability:	<i>Non-combustible</i>
Vapor Pressure:	<i>N/A</i>	Flammable or Explosive Limits:	<i>N/A</i>
Vapor Density:	<i>N/A</i>	Relative Density:	<i>N/A</i>
Viscosity:	<i>None, Solid</i>	Specific Gravity:	<i>2.65 (Approx.)</i>
Solubility in Water:	<i>Insoluble</i>	Auto ignition Temperature:	<i>N/A</i>
Coefficient of water/oil distribution:	<i>N/A</i>	Decomposition Temperature:	<i>Will not decompose</i>

## Section 10 - Stability & Reactivity

Conditions under which the product is chemically unstable:	<i>Not Applicable</i>
Substance or class of substance with which the product is incompatible:	<i>Not Applicable</i>
Conditions of reactivity:	<i>Not Applicable</i>
Hazardous decomposition products:	<i>None</i>
Hazardous polymerization products:	<i>None</i>

## **Section 11 - Toxicological Information**

Skin Contact:	<i>No Effect</i>
Skin Absorption:	<i>No Effect</i>
Eye Contact:	<i>No long term effect other than dust discomfort</i>
Ingestion:	<i>No Effect</i>
Inhalation Acute Exposure:	<i>No Immediate Effect</i>
Sensitization:	<i>No Effect</i>
Chronic Exposure:	<i>Respiratory diseases may develop such as silicosis, pneumoconiosis and pulmonary fibrosis.</i>

## **Section 12 - Ecological Information**

No known effect on environmental hazard.

## **Section 13 - Disposal Considerations**

Waste Disposal: Dispose of material in accordance with Federal, State and local requirements. May be land filled in compliance with local regulations. Recycling is preferable to disposal wherever possible. Whatever cannot be saved for recovery or recycling should be handled as non-hazardous waste and waste analysis may be necessary develop to determine a proper method for disposal.

## **Section 14 - Transportation Information**

Not classified as dangerous material and no special precautions are required.

## **Section 15 - Regulatory Information**

Silica sand is not classified as Hazardous according to Industry Code of Practice on Chemicals Classification and Hazard Communication provided by Malaysia – Department of Occupational Safety and Health (DOSH).

## Section 16 - Other Information

Prepared by: Production & Quality Control Department  
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Jalan Gopeng, Simpang Pulai,  
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Date prepared: 10<sup>th</sup> October 2024

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END OF SDS

L.S.K. Enterprise Sdn. Bhd.