



AKJ MINCHEM PVT LTD

C/O BALAJI MINERALS, NEAR MEWAR WEIGH BRIDGE, N.H.8 SUKHER,
UDAIPUR (RAJ.) 313001. WEBSITE:-WWW.AKJMINCHEM.COM
EMAIL :- AKJMINCHEM@GMAIL.COM/INFO@AKJMINCHEM.COM

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY / UNDERTAKING

1.1 Product identifiers

Product name : Silica
Product Number : AMPL-Q99
Brand : AKJ
CAS-No. : 14808-60-7

Silica Sand sold under various names: ASTM TESTING SANDS ! GLASS SAND ! FLINT SILICA ! DM-SERIES ! F-SERIES ! FOUNDRY SANDS ! SANDS ! MIN-U-SIL® Ground Silica! MYSTIC WHITE® ! #1 DRY ! #1 SPECIAL ! PENN SAND® ! Q-ROK® ! SIL-CO-SIL® Ground Silica ! SUPERSIL® ! MASON SAND ! GS-SERIES ! PER-SPEC

Synonyms/Common Names: Silica Sand, Quartz, Crystalline Silica, Flint, Ground Silica.

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses: Laboratory chemicals, Manufacture of substances

1.3 Details of the supplier of the safety data sheet Company

AKJ Minchem Private Limited
C/O SHREE BALAJI MARBLES & MINERALS
Near Mewar way Bridge, NH-8 Sukher
Udaipur Rajasthan 313001 INDIA
Telephone: +91 9772789555 EMAIL :- www.akjminchem.com

1.4 Emergency telephone number

Emergency Phone #: +91 9460212340
Emergency Phone #: +91 9509806461



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2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

Not a hazardous substance or mixture according to EC-directives 67/548/EEC or 1999/45/EC.

2.2 Label elements

The product does not need to be labeled in accordance with EC directives or respective national laws.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Mixtures

Synonyms : Silicon dioxide

SYTON® HT-50

Formula : SiO₂

Molecular Weight: 60.08 g/mol ±1%

No components need to be disclosed according to the applicable regulations.

Ingredients:

Chemical Formula	Typical %,	By Weight CAS #
Crystalline Silica (quartz) SiO ₂	99.0 - 99.9	14808-60-7
Aluminum Oxide Al ₂ O ₃	< .8	1344-28-1
Iron Oxide Fe ₂ O ₃	< .1	1309-37-1
Titanium Oxide TiO ₂	< .1	13463-67-7

4. FIRST AID MEASURES

4.1 Description of first aid measures

General advice



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Consult a physician. Show this safety data sheet to the doctor in attendance.

- If inhaled - If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
- In case of skin contact - Wash off with soap and plenty of water. Consult a physician.
- In case of eye contact - Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
- If swallowed - Never give anything by mouth to an unconscious person. Rinse mouth with water & Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

4.3 Indication of any immediate medical attention and special treatment needed

No data available

5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Advice for firefighters

Wear self contained breathing apparatus for firefighting if necessary.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation.

Evacuate personnel to safe areas.

6.2 Environmental precautions



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Do not let product enter drains.

6.3 Methods and materials for containment and cleaning up

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.

7.2 Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

7.3 Specific end use(s) - no data available

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Components with workplace control parameters

8.2 Exposure controls

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment-

Eye/face protection - Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection - Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact



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with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.

Wash and dry hands.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Body Protection - Impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection - Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance: White or tan sand; granular, crushed, or ground.

Boiling Point: 4046°F/2230°C

Odor: None

Vapor Pressure (mm Hg.): None

Specific Gravity (Water = 1): 2.65

Vapor Density (Air = 1): None

Melting Point: 3110°F/1710°C

Solubility in Water: Insoluble in water

Evaporation Rate (Butyl Acetate = 1): None

10. STABILITY AND REACTIVITY

10.1 Incompatible materials



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Stability: Crystalline silica (quartz) is stable.

Incompatibility (Materials to Avoid): Contact with powerful oxidizing agents, such as fluorine, chlorine trifluoride and oxygen difluoride, may cause fires.

Hazardous Decomposition or Byproducts: Silica will dissolve in hydrofluoric acid and produce a corrosive gas - silicon tetrafluoride.

Hazardous Polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects Acute toxicity –

INHALATION: Breathing silica dust may not cause noticeable injury or illness even though permanent lung damage may be occurring. Inhalation of dust may have the following serious chronic health effects:

Silicosis: Excessive inhalation of respirable crystalline silica dust may cause a progressive, disabling and sometimes fatal lung disease called silicosis

Cancer Status: The International Agency for Research on Cancer has determined that crystalline silica inhaled in the form of quartz or cristobalite from occupational sources is carcinogenic to humans (Group 1 - carcinogenic to humans).

Skin corrosion/irritation - no data available

Serious eye damage/eye irritation - no data available

Respiratory or skin sensitization - no data available

Germ cell mutagenicity - no data available

Potential health effects -

Inhalation May be harmful if inhaled. Causes respiratory tract irritation.

Ingestion May be harmful if swallowed.

Skin May be harmful if absorbed through skin. May cause skin irritation.

Eyes Causes serious eye irritation.

Signs and Symptoms of Exposure



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To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Acute Toxicity Values: Silica: LD50 oral rat >22,500 mg/kg

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product Offer surplus and non-recyclable solutions to a licensed disposal company.
Contaminated packaging Dispose of as unused product.

14. TRANSPORT INFORMATION

14.1 UN number - IMDG: - IATA: -

14.2 UN proper shipping name - Not dangerous goods

14.3 Transport hazard class (es) - IMDG: - IATA: - Not dangerous goods

14.4 Packaging group - IMDG: - IATA: - Not dangerous goods

14.5 Environmental hazards - No IMDG Marine Pollutant: no IATA: no

14.6 Special precautions for user - no data available

15. REGULATORY INFORMATION

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture - no data available

15.2 Chemical Safety Assessment - no data available

CIN NO :- U14290RJ2016PTC055549

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16. OTHER INFORMATION

Further information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. AKJ MINCHEM PVT LTD and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. And/or the reverse side of invoice or packing slip for additional terms and conditions of sale.

For,

AKJ MINCHEM PVT LTD

~~AKJ MINCHEM PVT LTD.~~

DIRECTOR

(Authorized Signatory)