

Material Safety Data Sheet (MSDS)

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Trade Name	:	Silica Sand
Company / undertaking identification	:	Lami, Amahara region.
Office	:	Allied Tower, In front of Yeabsira building, Wosen area, Backside of sunshine real estate villa Addis Ababa, Ethiopia. Email: alliedcls@gmail.com
Telephone	:	011-6182354

2. COMPOSITION / INGREDIENTS

Common Chemical Name or Technical Name	Quartz sand		
Chemical Identity	:	CAS No.	Weight Range
SiO ₂	:	14808-60-7	99%

3. HAZARD IDENTIFICATION

Health Rating	:	Although silica sand is not hazardous considering its granulometry, any respirable crystalline silica generated by processing silica sand may cause health effects.
Flammability Rating	:	Not flammable
Reactivity Rating	:	Chemically stable, no particular incompatibility
Contact Rating	:	Eyes: Prolonged or repeated skin contact may cause dermatitis, an allergic skin reaction unless washed out immediately. With skin Causes severe skin irritation and burns. Continued contact can cause tissue necrosis Ingestion: No information Inhalation: Prolonged and/or massive inhalation of respirable crystalline silica dust may cause lung fibrosis, commonly referred to as silicosis. Principal symptoms of silicosis are cough and breathlessness. Exposure to dust should be monitored and managed.

4. FIRST AID MEASURES

Eye	:	wash with copious quantities of water
Skin	:	No special first aid measure necessary.
Inhalation	:	No special first aid measures breathe fresh air and consult a physician.
Ingestion	:	non-toxic

**In all of the above cases, get a doctor to check the affected person.*

5. FIRE HAZARD AND FIRE-FIGHTING MEASURES

Flash point	:	Not Applicable.
Means of extinction	:	Not Applicable.
Flammability	:	Non-Flammable.

Personnel	:	Does not burn. No hazardous releases in case of fire.
Hazardous combustion product	:	Not Applicable.
6. ACCIDENTAL RELEASE		
Engineering Controls	:	Not Applicable.
Leak-And-Spill Procedures	:	Not Applicable.
7. HANDLING AND STORAGE MEASURES		
Handling Containers	:	Avoid dust formation. Provide appropriate exhaust ventilation at places where dust is formed. In case of insufficient ventilation, wear suitable respiratory equipment. Your supplier can advise you on safe handling, please contact him
Storage Conditions of Containers	:	Ensure trapping of dust produced during the loading of silos. Keep containers closed and store the bagged products in a way preventing accidental bursting.
8. PERSONAL PROTECTION MEASURES		
Skin	:	Wear safety gloves
Respiration	:	In case of exposure to dust over regulatory limits wear a personal respirator in compliance with national legislation.
Eyes	:	Wear safety glasses with side-shields
Feet	:	Safety Shoes/Gum Boots.
Body	:	Aprons.
Hygiene precautions	:	Remove contaminated clothing and wash hands.
9. PHYSICAL AND CHEMICAL PROPERTIES		
Physical state	:	Solid
Adour	:	Odorless
Density	:	1.4
SiO ₂ %	:	99 %
Solubility in water	:	negligible
Solubility in fluorhydric acid	:	Yes
10. REACTIVITY DATA		
Chemical Stability	:	Chemically stable
Incompatibility with other Substances	:	No particular incompatibility
Reactivity and under what conditions	:	No particular incompatibility
Hazardous Decomposition	:	Although silica sand is not hazardous considering its granulometry, any respirable crystalline silica generated by processing silica sand may cause health effects
11. TOXICOLOGICAL PROPERTIES		
Toxicity	:	There is no reported ecotoxicity for silica, a naturally occurring substance widely spread on earth.
Skin contact	:	Irritation, Continued contact can cause tissue necrosis.
Inhalation acute	:	Prolonged and/or massive exposure to respirable crystalline silica-containing dust may cause silicosis, a nodular pulmonary fibrosis caused by the deposition in the lungs of fine respirable particles of crystalline

		silica.
Skin absorption	:	Skin irritation and burns.
Inhalation	:	A nodular pulmonary fibrosis caused by the deposition in the lungs of fine respirable particles of crystalline silica.
Eye contact		May feel uncomfortable & cause irreversible eye injury
Ingestion	:	non-toxic
Effect of Acute and Chronic Exposure to Material	:	A nodular pulmonary fibrosis caused by the deposition in the lungs of fine respirable particles of crystalline silica.
Irritancy of material	:	Not Applicable
Carcinogenicity, Reproductive Effects, Teratogenicity, Mutagenicity	:	Not Applicable
12. ECOLOGICAL INFORMATION		
No specific adverse effect known		
13. WASTE DISPOSAL		
Disposal	:	Can be land filled in compliance with local regulations. The material should be buried to prevent airborne respirable dust being emitted as far as respirable fraction has been created when processing sand. Where possible, recycling should be preferred to disposal.
14. TRANSPORT RECOMMENDATION		
No special precaution required under the regulation on transport of dangerous goods. Avoid dust spreading.		
15. REGULATORY REQUIREMENTS		
The substance has not been classified at the EU level, under the dangerous substances and preparations regulation.		
16. OTHER INFORMATION		
The information presented here pertains only to the product when stored in a condition, as prescribed above. The information is given in good faith, but no warranty, express or implied, is made.		