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SAFETY DATA SHEET

QUARTZ GRITS

PRODUCT	Quartz Grits
RANGE	Powder to 25 mm
QUALITY POSITIONING	High-purity quartz material
DOCUMENT	MSDS / SDS

STONEX TRADING COMPANY

+01554674060 | info@stonex-trade.com | www.stonex-trade.com

Arab Abu-Saed – El-Saff – Giza – Egypt

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

Item	Information
Product name	Quartz Grits
Product range	Powder through 25 mm
Product description	High-purity quartz mineral material supplied in graded particle sizes.
Intended use	Industrial raw material / filler / mineral aggregate; specific end use to be confirmed by customer application.
Supplier	STONEX Trading Company
Address	Arab Abu-Saed – El-Saff – Giza – Egypt
Telephone	+01554674060
Email	info@stonex-trade.com
Website	www.stonex-trade.com

2. HAZARDS IDENTIFICATION

Important: Quartz is crystalline silica. The principal occupational hazard is inhalation of respirable crystalline silica dust generated from fine material or from crushing, grinding, cutting or other high-energy processing. OSHA identifies respirable crystalline silica as a serious occupational health hazard and notes risks including silicosis and lung cancer. The exact regulatory classification of the supplied grade depends on its composition and respirable fraction and must be confirmed against the applicable jurisdiction.

Hazard / classification	Statement
Potential carcinogenicity	Respirable crystalline silica (quartz) may cause cancer by inhalation under applicable classifications.
Repeated exposure	Prolonged or repeated inhalation of respirable crystalline silica may cause serious lung damage.
Dust hazard	Fine powder can generate airborne dust during handling, transfer or processing.
Non-respirable larger grit	Larger particles are not expected to create the same inhalation hazard unless processing generates respirable dust.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS No.	Status
Quartz / crystalline silica (SiO ₂)	14808-60-7	Primary mineral component; exact assay/purity to be confirmed by lot C

4. FIRST-AID MEASURES

Inhalation: Move the affected person to fresh air. If breathing difficulty, persistent cough or other symptoms occur, obtain medical attention.

Eye contact: Rinse cautiously with clean water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

Skin contact: Wash with soap and water. Seek medical attention if irritation persists.

Ingestion: Rinse mouth. Do not induce vomiting unless directed by medical personnel. Seek medical advice if unwell.

5. FIRE-FIGHTING MEASURES

Quartz is a non-combustible mineral solid. Use extinguishing media appropriate for the surrounding fire. Avoid unnecessary dust generation.

6. ACCIDENTAL RELEASE MEASURES

Avoid creating airborne dust. Use local exhaust ventilation where appropriate. Collect spilled material using methods that minimize dust, preferably vacuuming with suitable filtration or damp methods. Do not dry sweep fine powder.

7. HANDLING AND STORAGE

Handle to minimize dust. Keep containers closed when not in use. Store in a dry, well-ventilated area. Use appropriate dust control, housekeeping and personal protective equipment.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering controls should be the primary means of controlling respirable dust. Local exhaust ventilation, enclosed transfer systems and dust suppression should be used as appropriate to the operation.

Protection	Recommendation
Respiratory	Where respirable crystalline silica exposure may occur, use an appropriate, fit-tested respirator selected under the applicable regulatory requirements.
Eyes	Safety glasses or goggles where dust may be generated.
Hands	Protective gloves where required by the handling operation.
Skin / clothing	Work clothing appropriate to the task; avoid accumulation of dusty clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Property	Typical / supplied information
Appearance	Quartz mineral grit / powder; grade-dependent particle size
Particle size	Powder to 25 mm
Odour	Odourless / no characteristic odour
Flammability	Non-combustible mineral
Solubility in water	Very low / practically insoluble
Chemical formula	SiO ₂
Purity	High purity; exact SiO ₂ content is grade/lot dependent and should be stated on the applicable COA

10. STABILITY AND REACTIVITY

Stable under normal conditions of storage and use. No hazardous polymerization expected. Avoid conditions that create excessive dust.

11. TOXICOLOGICAL INFORMATION

The relevant health concern is inhalation of respirable crystalline silica. Repeated occupational exposure to respirable quartz dust can cause silicosis and is associated with lung cancer and other respiratory effects. Risk is driven by the respirable fraction and exposure concentration, not simply by the presence of larger grit.

12. ECOLOGICAL INFORMATION

No specific ecotoxicological data for the supplied commercial grade were provided. Quartz is an inorganic mineral and is expected to have low mobility and low water solubility. Avoid uncontrolled release of large quantities of dust to the environment.

13. DISPOSAL CONSIDERATIONS

Dispose of unused material and packaging in accordance with local regulations. Prevent generation of airborne dust during disposal.

14. TRANSPORT INFORMATION

No transport classification has been established from the information supplied. Confirm applicable national/international transport requirements for the specific shipment.

15. REGULATORY INFORMATION

Crystalline silica is subject to occupational exposure controls in multiple jurisdictions. OSHA, for example, regulates respirable crystalline silica exposure and specifies an 8-hour PEL of 50 µg/m³ for covered construction exposures. Applicable local requirements must be followed.

16. OTHER INFORMATION

This document is a product-specific STONEX draft based on the information currently supplied for Quartz Grits (powder through 25 mm, high-purity positioning) and general occupational-safety references. Before regulatory or customer issuance, STONEX should verify the exact chemical assay, respirable crystalline silica content, applicable jurisdiction, and any customer-specific requirements.

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