

GRINDED QUARTZ SAND

1. IDENTIFICATION OF A (CHEMICAL) SUBSTANCE OR MIXTURE AND OF A COMPANY

1.1 Product identifier

Substance: *GRINDED QUARTZ SAND*

Exception not to register is applied to the mineral under REACH regulation Annex V, Clause 7.

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

Purpose: for production of glassware, polymer concrete, glass fiber, construction mixtures, domestic water filters, etc.

1.3 Details of the supplier of the safety data sheet:

Supplier: *AB Anykščių kvarcas (JSC)*

Address: *Troškūnų str. 5, Anykščiai*

Telephone, fax: *8 381 59352, 8 381 59491*

Emergency telephone number: *8 381 59352*

E-mail of a person responsible for safety data sheet: gita@akvarcas.lt

1.4 Emergency telephone number

Telephone numbers of Lithuanian poison control and information office available 24 hours: +370 5 2362052; + 370 687 53378

Emergency medical aid 033

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance:

This substance is not classified as hazardous as defined in legal acts of the European Union

EC No. 1272/2008

2.2. Label elements

Labelling. Regulation (EC No. 1272/2008)

2.3 Other hazards

This product is an inorganic substance and does not meet the criteria for PBT or vPvB. In accordance with Annex XIII (EC) No. 1907/2006 of REACH regulation.

3. COMPOSITION OF A CHEMICAL SUBSTANCE, PREPARATION. INFORMATION ON INGREDIENTS

Empirical (molecular) formula: *SiO₂*

Molecular mass: *60 g/mol*

Other components: *none*

CAS No.	EINECS No.	Chemical name	Product mass concentration (%)
14808-60-7	238-878-4	SiO ₂	≥ 98,5 %
Non-classified ingredients	Not applied	Not applied	Not applied

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4. FIRST AID MEASURES

4.1 Description of first aid measures

In case of inhaling: *to move the exposed individual to fresh air immediately. In case of serious breathing disorders, seek medical help.*

In case of skin contact: *not hazardous. In allergy wash with running water. Do not rub. undress contaminated clothing and shoes. Wash clothes and then wear them.*

In case of eye contact: *rinse eyes being wide open with clean water, blinking occasionally. Not to allow rubbing one's eyes. Visit a doctor.*

4.2 Most important symptoms and effects

None

4.3 Indication of any immediate medical attention and special treatment needed

None.

5. FIRE-FIGHTING MEASURES

Quartz sand flour – non-combustible substance.

Improper extinguishing media: *none.*

Special hazards arising from the chemical substance at its burning, combustion products, gas: *none*

Personal protective equipment: *no specific means*

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Use personal safety measures: *special clothes, footwear, gloves, safety glasses.*

6.2. Ecological precautions

No special requirements

6.3. Procedures and means for isolation and cleaning

When spilling – *to scoop, vacuum pumps can be used.*

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Requirements for storage: *substance is stored in ordered FIBC or paper bags and bags with a film not exceeding permissible weight of substance indicated on the package. It is allowed to store the product in ordered silage. If storing in piles, rules of piling shall be followed.*

Requirements for package: *package must be sealed, ensuring that substance will not spread into environment.*

Requirements for transportation: *to transport in ordered package or being loose in transport means adapted for such transportation.*

7.2. Conditions for safe storage, including any incompatibilities

No special requirements.

7.3. Specific final use

Requirements and recommendations for use: *to be used as inert material (filling material) for production of construction mixtures, joint compounds, paints, polymer concrete or in glass industry – a component of glass mass.*

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8.EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1.Control parameters

Limit value of the substance in the air of working environment (RV, PEL, STEL, TLV, TWA), name of institution approving country of origin (ACGIH, NIOSH, OSHA, etc.):
Lithuanian Hygiene Norm HN 23-2011

Chemical substance		Limit value of concentration						Exposure marker
		Long-term exposure limit (LEL)		Short-term exposure limit (STEL)		Threshold limit value (TLV)		
Name	CAS No.	mg/ m ³	ppm	mg/ m ³	ppm	mg/ m ³	ppm	-
<i>Quartz, a variety of silicon dioxide alveolar fraction</i>	14808-60-7	0,1	-	-	-	-	-	

9.PHYSICAL AND CHEMICAL PROPERTIES

9.1.Information on basic physical and chemical properties

Physical state: *solid, granular, white or colourless material, size of 0.0-1.25 µm*

Sensory properties: *odourless*

Inflammability: *incombustible*

Auto ignition temperature, °C: *none*

Flash temperature, °C: *none*

Explosion limits: lower, volume %: *none*; upper, volume %: *none*

Oxidation properties: *does not oxidize in normal weather conditions*

Melting point: *+1650(±75)°C*

Boiling point: *+2230° C*

Bulk volume mass, density: *1030 kg/m³*

9.2.Other information

Not available

10.STABILITY AND REACTIVITY

Chemical stability: *stable and not reactive in normal conditions of environmental temperature and pressure.*

11.TOXICOLOGICAL INFORMATION

Acute toxicity on test animals:

Digesting, LD₅₀: *no data*

Through skin, LD₅₀: “ “

Inhaling, LC₅₀: “ “

Irritation: *not irritable*

Spreading: *no spreading by itself*

Chronic exposure on test animals: *no exposure*

Human exposure : *no data on hazardous exposure*

Carcinogenicity: *no data*

Mutagenicity: *no data*

Toxicity on reproduction: *no data*

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12.ECOLOGICAL INFORMATION

Features of a chemical substance, preparation, that may affect environment: *none*
Ecotoxicity (toxicity on water and soil organisms, other animals and plants): *non-toxic*
Mobility: *not mobile*
Persistence and degradability (biodegradation) in environment: *stable, not degradable*
Bioaccumulation: *no data*
Data on other exposures: *none*

13.WASTE MANAGEMENT

No special requirements

14.INFORMATION ON TRANSPORTATION

Quartz sand flour is not a hazardous chemical substance or preparation. This substance is not included into the European Agreement concerning the International Carriage of Dangerous Goods by Road. Package must be sealed without possibility to spread into environment. No other special requirements.

15.REGULATORY INFORMATION

15.1. Safety, health and environmental regulations / legislation specific for the substance

Company standard İST 5411146-07:2014

Certificate of consistency of performance No. SPSC-9321

15.2. Chemical safety assessment

Product is not classified as hazardous EC No. 1272/2008. To exempt from REACH registration under Annex V. 7.

16.OTHER INFORMATION

Data in these safety specifications are provided on the basis of obtained knowledge and corresponds to information obtained on the day of data treatment. Data cannot be applied to other products. If product is diluted, mixed or processed with other materials, then, data provided in these safety specifications cannot be transferred to new material produced.