

## SAFETY DATA SHEET

Drawn according to Regulation (EC) 2015/830

**Product:** Quartz sand

**Revision date:** 10/06/2005

**Last update:** 04/06/2020

**Version No.:** 2

Page 1 of 8

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## SAFETY DATA SHEET

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

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#### 1.1. PRODUCT IDENTIFIER

**Product name:** Quartz sand flour.

#### 1.2. RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST

**Relevant identified uses:** For the production of articles of glass, polymer concrete, fiberglass, construction mixtures, etc.

**Uses advised against:** no information available.

#### 1.3. DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

**Producer/Supplier:**

AB Anykščių kvarcas  
Troškūnų g. 5, LT-29100 Anykščiai  
Tel.: +370 381 59352  
Mob.: +370 33 33019  
Fax.: +370 381 59491

#### E-MAIL ADDRESS OF THE PERSON RESPONSIBLE FOR THE SAFETY DATA SHEET:

E-mail: [gita@akvarcas.lt](mailto:gita@akvarcas.lt)

#### 1.4. EMERGENCY TELEPHONE NUMBER

Health Emergency Situations Centre of the Ministry of Health  
Poison Information Bureau around-the-clock:  
Tel.: +370 5 236 20 52 or mob. phone: +370 687 53378

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### Section 2. HAZARDS IDENTIFICATION

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#### 2.1. CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

##### 2.1.1. Classification according to Regulation (EC) No 1272/2008 [CLP]

Not classified.

##### 2.1.2. Additional information:

See Section 16 for the full text of the EU hazard statements.

#### 2.2. LABEL ELEMENTS

##### 2.2.1. Labelling according to Regulation (EC) No 1272/2008 [CLP]

Hazard pictograms: None.

Signal word: None.

Hazard statements: None.

Precautionary statements: None.

Additional hazard information (EU): None.

#### 2.3. OTHER HAZARDS

The product does not meet the criteria for PBT and vPvB according to Regulation (EC) No 1907/2006, Annex XIII.

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### Section 3. COMPOSITION/INFORMATION ON INGREDIENTS

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#### 3.1. SUBSTANCES

## SAFETY DATA SHEET

Drawn according to Regulation (EC) 2015/830

**Product:** Quartz sand

**Revision date:** 10/06/2005

**Last update:** 04/06/2020

**Version No.:** 2

Page 2 of 8

Chemical name	CAS-No.	EC-No.	Classification:	Concentration, %
			CLP	
Quartz (SiO <sub>2</sub> )	14808-60-7	238-878-4	Not classified.	≥ 98,5 %

**Additional information:** This substance does not have a registration number as it is not subject to registration requirements under Title II of REACH, as it is a naturally occurring substance and fulfills the criteria of Article 2 (7) (b) of REACH (Annex V, Part 7).

For the full text of the H-Statements, see Section 16.

### 3.2. MIXTURES

Not applicable.

## Section 4. FIRST AID MEASURES

### 4.1. DESCRIPTION OF FIRST AID MEASURES

**General notes:** In case of poisoning or other signs of illness after exposure to this product, seek medical attention.

**Following inhalation:** Go out / lead the victim to fresh air. If the condition persists, seek medical attention.

**Following skin contact:** Wash with water. If symptoms occur, seek medical attention.

**Following eye contact:** Wash thoroughly under running clean water with eyes wide open, occasionally blinking. Do not allow the victim to rub eyes. Seek medical attention / ophthalmologist.

**Following ingestion:** The effect is unlikely. In case of accident, seek medical attention immediately.

**Self-protection of first aider:** Take care of your safety!

### 4.2. MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

No information available.

### 4.3. INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

Treat symptomatically. In case of suspicion or detection of poisoning by this substance, contact the Poison Information Bureau immediately; tel. +370 5 236 20 52, +370 687 53378.

## Section 5. FIRE FIGHTING MEASURES

**General fire hazards:** The product is non-flammable. Remove all bystanders from fire area.

### 5.1. EXTINGUISHING MEDIA

**Suitable extinguishing media:** In case of fire, use measures depending on the fire environment: water spray, alcohol-resistant foam, dry chemical, sand.

**Unsuitable extinguishing media:** Direct flow of water as it may cause fire to spread.

### 5.2. SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

**Hazardous combustion products:** Not applicable.

### 5.3. ADVICE FOR FIRE-FIGHTERS

**Special protective fire-fighting equipment:** To be selected taking into account the properties of the surrounding combustible materials – non-combustible protective clothing made of impregnated fabrics and a self-contained breathing apparatus with a full-face mask providing positive pressure.

**Special fire-fighting measures:** Move containers from fire area if it can be done without risk. Use water spray to cool unopened containers. Cool containers with sufficient water and continue cooling after the fire is extinguished. Prevent product from entering drains, surface waters.

## Section 6. ACCIDENTAL RELEASE MEASURES

### 6.1. PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

## SAFETY DATA SHEET

Drawn according to Regulation (EC) 2015/830

Product: Quartz sand

Revision date: 10/06/2005

Last update: 04/06/2020

Version No.: 2

Page 3 of 8

### 6.1.1. For non-emergency personnel:

**Protective equipment:** Avoid contact with skin and eyes. No action shall be taken if it causes risk to personnel or without suitable training. Prevent unauthorized or unprotected personnel from entering. Take precautionary measures listed in sections 7 and 8. Use personal protective equipment.

**Emergency procedures:** Ensure adequate ventilation. Remove victims from the contaminated area. If adverse reactions occur and persist, seek medical attention.

**6.1.2. For emergency responders:** Avoid contact with skin and eyes. Wear protective clothing, goggles. In case of insufficient ventilation, wear respirator or self-contained breathing apparatus.

### 6.2. ENVIRONMENTAL PRECAUTIONS

No special requirements.

### 6.3. METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

Vacuum pumps can be used if spilled. Avoid dust formation.

### 6.4. REFERENCE TO OTHER SECTIONS

Refer to Section 8 for personal protective equipment and to Section 13 for disposal instructions.

## Section 7. HANDLING AND STORAGE

### 7.1. PRECAUTIONS FOR SAFE HANDLING

**Information on safe use:** Do not eat, drink or smoke when working. Workplaces must be well ventilated. Wear work clothes and personal protective equipment (see section 8 of this SDS). Follow work safety rules. Avoid contact with eyes and skin. Do not inhale dust.

**Information on protection against explosions and fires:** The product is non-flammable and non-explosive

### 7.2. CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

**Requirements for storage rooms and containers:** Store in a well-ventilated, cool warehouse in airtight, mechanically durable, chemically resistant, labelled containers.

### 7.3. SPECIFIC END USE(S)

Requirements and recommendations for use: used as an inert material (filler) in the production of building mixtures, putties, paints, polymer concrete, or in the glass industry as a component of glass mass.

## Section 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. CONTROL PARAMETERS

#### 8.1.1. Occupational exposure limit values:

Limit values for harmful concentrations of substances in the air of the working environment and their long-term and short-term effects according to HN 23:2011:

Component	CAS-No.	Long Term Exposure Limit (LTEL)		Short-term exposure limit (STEL)		Threshold limit value (TLV)		Indications of health effects	Notes
		mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	ppm		
Quartz, a type of silica, an alveolar fraction	14808-60-7	0,1	-	-	-	-	-	-	-

**Note:** The alveolar fraction is the part of the dust that passes through a preseparator with parameters corresponding to those of the Johannesburg Convention.

**8.1.2. Biological limit values:** No biological exposure limits have been established for the ingredient(s).

### 8.2. EXPOSURE CONTROLS

**General information:** the level of protection and control required may vary depending on the potential exposure

## SAFETY DATA SHEET

Drawn according to Regulation (EC) 2015/830

**Product:** Quartz sand

**Revision date:** 10/06/2005

**Last update:** 04/06/2020

**Version No.:** 2

Page 4 of 8

conditions. Select measures based on a risk assessment according to local circumstances. Appropriate measures: use closed systems as much as possible. Ensure adequate ventilation; control that concentrations in air do not exceed specified limits.

**8.2.1. Appropriate engineering controls:** Ensure adequate ventilation of premises, avoid spills.

**8.2.2. Personal protection equipment:**

**Eye and/or face protection:** Suitable fitting glasses or face mask (EN 166).

**Skin protection:**

**Hand protection:** Protective gloves (EN 388).

**Other skin protection:** Work clothes.

**Respiratory protection:** Do not inhale dust.

**Protection against thermal hazards:** Wear gloves against cold (EN 511).

**Personal hygiene measures:** Wear clean work clothes. Follow personal hygiene rules. Wash hands after work and before breaks. Do not smoke, eat or drink in the workplace.

### 8.3. ENVIRONMENTAL EXPOSURE CONTROLS

Avoid spilling.

## Section 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties:

#### APPEARANCE:

**physical state:** solid loose (0.0-125  $\mu$  size powder)  
**colour:** colourless / white

**ODOUR:**

none

**ODOUR THRESHOLD:**

not applicable

**pH:**

not applicable

**MELTING POINT/FREEZING POINT:**

+1650 ( $\pm 75$ ) °C

**INITIAL BOILING POINT AND BOILING RANGE:**

+2230 °C

**FLASH POINT:**

non-flammable

**EVAPORATION RATE:**

not applicable

**FLAMMABILITY (SOLID, GAS):**

not applicable

**UPPER/LOWER FLAMMABILITY OR EXPLOSIVE**

**LIMITS:**

not applicable

**VAPOUR PRESSURE:**

not applicable

**VAPOUR DENSITY (air=1):**

not applicable

**RELATIVE DENSITY:**

1030 kg/m<sup>3</sup>

**SOLUBILITY:**

insoluble

**PARTITION COEFFICIENT: N-OCTANOL/WATER:**

not applicable

**AUTO-IGNITION TEMPERATURE:**

not applicable

**DECOMPOSITION TEMPERATURE:**

not applicable

**VISCOSITY:**

not applicable

**EXPLOSIVE PROPERTIES:**

not applicable

**OXIDISING PROPERTIES:**

not applicable

### 9.2. OTHER INFORMATION

Not applicable.

## Section 10. STABILITY AND REACTIVITY

### 10.1. REACTIVITY

The product is not reactive under normal conditions of use, storage and transport.

### 10.2. CHEMICAL STABILITY

The product is stable under normal conditions of storage, transport and use.

## SAFETY DATA SHEET

Drawn according to Regulation (EC) 2015/830

**Product:** Quartz sand

**Revision date:** 10/06/2005

**Last update:** 04/06/2020

**Version No.:** 2

Page 5 of 8

---

### 10.3. POSSIBILITY OF HAZARDOUS REACTIONS

None.

### 10.4. CONDITIONS TO AVOID

None.

### 10.5. INCOMPATIBLE MATERIALS

None.

### 10.6. HAZARDOUS DECOMPOSITION PRODUCTS

None.

## Section 11. TOXICOLOGICAL INFORMATION

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### 11.1. INFORMATION ON TOXICOLOGICAL EFFECTS

#### Acute toxicity:

The product itself is not classified as dangerous to humans.

**Skin corrosion/irritation:** Not classified.

**Serious eye damage/irritation:** Not classified.

**Respiratory or skin sensitization:** Not classified.

**Germ cell mutagenicity:** Not classified.

**Carcinogenicity:** Not classified.

**Reproductive toxicity:** Not classified.

**STOT-Single Exposure:** Not classified.

**STOT-Repeated Exposure:** Not classified.

**Aspiration hazard:** Not applicable.

**Information on likely routes of exposure:** Mechanical eye irritation.

## Section 12. ECOLOGICAL INFORMATION

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### 12.1. TOXICITY

The product itself is not classified as dangerous for the environment.

### 12.2. PERSISTENCE AND DEGRADABILITY

None.

### 12.3. BIOACCUMULATIVE POTENTIAL

None.

### 12.4. MOBILITY IN SOIL

None.

### 12.5. RESULTS OF PBT AND VPVB ASSESSMENT

Substance or mixture without PBT or vPvB properties.

### 12.6. OTHER ADVERSE EFFECTS

Not applicable.

**General provisions:** In accordance with general environmental principles, it is prohibited to discharge products into open water bodies.

## Section 13. DISPOSAL CONSIDERATIONS

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## SAFETY DATA SHEET

Drawn according to Regulation (EC) 2015/830

**Product:** Quartz sand

**Revision date:** 10/06/2005

**Last update:** 04/06/2020

**Version No.:** 2

Page 6 of 8

### 13.1. WASTE TREATMENT METHODS

To follow Waste Management Rules approved by the order of 14 July 1999 of the Minister of Environment of the Republic of Lithuania No. 217 (Official Gazette 1999, No 63-2065 and subsequent amendments). Waste and packaging must be disposed of in accordance with current legislation.

### Section 14. TRANSPORT INFORMATION

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The product is not classified as dangerous and is not subject to the requirements of the European Agreement concerning the International Carriage of Dangerous Goods by Road ADR / RID / ADN / IMDG / ICAO / IATA:

**14.1. UN number:** None.

**14.2. UN Proper shipping name:** None.

**14.3. Transport hazard class(es):** None.

**14.4. Packing group:** None.

**14.5. Environmental hazards:** No.

**14.6. Special Precautions for User:** Read safety instructions, safety data sheet and information on emergency procedures before use.

**14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code:** Not applicable.

### Section 15. REGULATORY INFORMATION

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#### 15.1. SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE

- Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC (Official Journal of the European Union, No L 396, 30.12.2006, corrigendum L 136/3, 2007 5 29);
- Commission Regulation (EU) 2015/830 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (OJ L 2015, L 132, p. 8-31);
- Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 (OL L 353, 2008 12 31, p. 1);
- Commission Regulation (EU) 2016/918 of 19 May 2016 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures (Official Journal of the European Union, 14.06.2016, L 156, p.1);
- Lithuanian Hygienic Norm HN 23:2011 Occupational Exposure Limits for Chemical Substances - General Requirements for Measurement and Impact Assessment, as approved by Order No. V-824/A1-389 of 1 September 2011 by the Minister of Social Security and Labour of the Republic of Lithuania (Official Gazette, 2011, No 112-5274);
- Order of 24 June 2002 of the Minister of Environment No 348 on the Rules on Packaging and Packaging Waste (Official Gazette, 2002, No 81-3503 and subsequent amendments);
- Order of 14 July 1999 the Minister of Environment No 217 on the Rules on Waste Management, (Official Gazette 2011, No 57-2721 and subsequent amendments);
- Order of 26 November 2007 of the Minister of Social Security and Labour No A1-331 concerning regulations of the provisions of employees with personal protective equipment (Official Gazette, 2007, No 123-5055);
- European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR), (Official Gazette, 2003, No 46(1)-2057).

#### 15.2. CHEMICAL SAFETY ASSESSMENT

A chemical safety assessment has not been performed for this product.

## SAFETY DATA SHEET

Drawn according to Regulation (EC) 2015/830

**Product:** Quartz sand

**Revision date:** 10/06/2005

**Last update:** 04/06/2020

**Version No.:** 2

Page 7 of 8

---

### Section 16. OTHER INFORMATION

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#### 16.1. Indication of changes

The information provided complies with the requirements of REACH Regulation No. 1907/2006EC as amended by Regulation No. 2015/830.

**Changes to the safety data sheet:** The entire safety data sheet has been modified to take into account the requirements of the REACH Regulation.

Prepared: 10/06/2005

Revised: 04/06/2020

Version: 2

#### 16.2. LIST OF HAZARD AND CAUTION STATEMENTS IN THE SAFETY DATA SHEET

None.

**Additional hazard information (EU):** None.

#### Abbreviations:

None.

#### Acronyms:

ADR – European Agreement concerning the International Carriage of Dangerous Goods by Road.

ADN – European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.

RID – Regulation concerning the International Carriage of Dangerous Goods by Rail.

IMDG – International Maritime Dangerous Goods Code.

IATA – International Air Transport Association.

IMO – International Maritime Organization.

vPvB – very Persistent and very Bioaccumulative.

PBT – Persistent, Bioaccumulative and Toxic.

LD50 – lethal dose 50 % of a tested population (median lethal dose).

LC50 – lethal concentration 50 % of a tested population (median lethal concentration).

EC50 – median effective concentration.

CAS – Chemical Abstracts Service.

CEN – European Committee for Standardization.

STOT – Specific target organ toxicity.

DNEL – Derived no-effect level.

PNEC(s) – Predicted No-Effect Concentration(s).

EINECS – European Inventory of Existing Chemical Substances.

ELINCS – European List of Notified Chemical Substances.

NOEC – No Observed Effect Concentration.

STEL – Short-Term Exposure Limit.

TWA – Time-weighted average.

SDS – Safety Data Sheet.

#### KEY LITERATURE REFERENCES AND SOURCES FOR DATA:

- Data provided by the European Chemicals Bureau (ECB), the European Chemicals Agency (ECHA), the Swedish Chemicals Agency (KEMI), the International Laboratory Organization (ILO), TOXNET websites.

#### Disclaimer:

The data contained in this safety data sheet must be available to anyone whose work involves the use of the product. The data reflects the current level of knowledge, national and EU laws. The information provided indicates safety requirements for the use of this product, however, does not disclose other specific product features.

The information is correct to the best of our knowledge on the date on which the product safety data sheet was issued. This is not a specification sheet and any data provided should not be construed as a specification. The information in this product safety data sheet has been obtained from sources we believe to be reliable. However, the information is

**SAFETY DATA SHEET**

Drawn according to Regulation (EC) 2015/830

**Product:** Quartz sand**Revision date:** 10/06/2005**Last update:** 04/06/2020**Version No.:** 2Page 8 of 8

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