

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006  
(amended by Regulation (EU) 2020/878)

---

## Quartz sand

---

---

### ***SECTION 1: Identification of the substance/mixture and of the company/undertaking***

---

#### 1.1. Product identifier

Product name	Quartz sand
CAS-No.	14808-60-7
Product code	None.

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

Use of the Substance/Mixture	Construction.
------------------------------	---------------

#### 1.3. Details of the supplier of the safety data sheet

Company/Undertaking Identification	Carlo Bernasconi AG Juchstrasse 11 CH-8048 Zürich Fon +41 84 838 80 00 Fax +41 84 838 80 01 info@carloag.ch
------------------------------------	--

1.4. Emergency telephone number	145 (Tox Info Suisse)
---------------------------------	-----------------------

Issuing date	17.04.2024
--------------	------------

Version	GHS 4 (Previous versions: GHS 3)
---------	----------------------------------

---

### ***SECTION 2: Hazards identification***

---

#### 2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008	The substance or mixture is not classified.
---	---

In accordance with Regulation (EC) No. 1272/2008, the product does not need to be classified nor labelled.

**Additional information** For the full text of the phrases mentioned in this Section, see Section 16.

## 2.2. Label elements

**Signal Word** -

**Hazard Statements** None.

**Precautionary statements** None.

**Supplemental information** None.

**Product identifier** None.

**2.3. Other hazards** Depending on the handling and use (eg grinding, drying), the formation of air transmitted respirable crystalline silica is possible. Prolonged and / or massive inhalation of respirable crystalline silica can cause dust lung disease (silicosis). Main symptoms of silicosis are cough and difficulty in breathing. On occasional exposure to respirable crystalline silica, dust protection and monitoring measures should be in place. The product should be handled with particular care to avoid dust formation.

---

## **SECTION 3: Composition/information on ingredients**

---

### 3.1. Substances

Hard sedimentary rock SiO<sub>2</sub> containing.

Components	Weight %	Product identifier
Quarz	> 98%	CAS-No.: 14808-60-7 EC-No.: 238-878-4

For the full text of the phrases mentioned in this Section, see Section 16.

**Hazardous impurities** This product contains less than 1% quartz (fine fraction) classified as STOT RE1.

---

## **SECTION 4: First aid measures**

---

### 4.1. Description of first aid measures

**Inhalation** It is recommended to bring the exposed person from the contaminated area to fresh air. Consult a physician for severe cases.

**Skin contact** Wash with water and soap as a precaution.

**Eye contact** Rinse thoroughly with plenty of water, also under the eyelids. If eye irritation persists, consult a specialist.

**Ingestion** Clean mouth with water and drink afterwards plenty of water.

**4.2. Most important symptoms and effects, both acute and delayed**

Inhalation of dust may cause shortness of breath, tightness of the chest, a sore throat and cough. Avoid breathing dust.

**4.3. Indication of any immediate medical attention and special treatment needed**

None known.

---

## ***SECTION 5: Firefighting measures***

---

### **5.1. Extinguishing media**

**Suitable extinguishing media** No special measures required.

**Unsuitable extinguishing media** None.

**5.2. Special hazards arising from the substance or mixture** The product itself does not burn.

### **5.3. Advice for firefighters**

**Special protective equipment for firefighters** In the event of fire, wear self-contained breathing apparatus. Wear protective suit.

**Specific methods** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

---

## ***SECTION 6: Accidental release measures***

---

### **6.1. Personal precautions, protective equipment and emergency procedures**

**For non-emergency personnel** Avoid dust formation. Avoid breathing dust.

**For emergency responders** Avoid dust formation. Evacuate personnel to safe areas.

**6.2. Environmental precautions** Do not flush into surface water or sanitary sewer system.

**6.3. Methods and material for containment and cleaning up** Take up mechanically and collect in suitable container for disposal.

**6.4. Reference to other sections** See chapter 8 and 13.

---

## ***SECTION 7: Handling and storage***

---

**7.1. Precautions for safe handling** Provide appropriate exhaust ventilation at places where dust is formed. Avoid dust formation. Avoid contact with eyes and skin.

**7.2. Conditions for safe storage, including any incompatibilities** Store at room temperature in the original container. Keep container tightly closed. Keep in a dry place.

7.3. Specific end use(s) No information available.

---

## **SECTION 8: Exposure controls/personal protection**

---

### **8.1. Control parameters**

**Exposure limit(s)** No data is available on the product itself.

### **8.2. Exposure controls**

**Appropriate engineering controls** General industrial hygiene practice. Wash hands before breaks and at the end of workday. Avoid contact with the skin and the eyes.

#### **Personal protection equipment**

*Respiratory protection* Do not breathe dust. Suitable mask with particle filter P3 (European Norm 143)

*Hand protection* No special measures required.

*Eye protection* Avoid contact with eyes. In case of dust formation wear tightly fitting goggles.

*Skin and body protection* No special measures required.

*Thermal hazards* No special measures required.

**Environmental exposure controls** No special measures required.

---

## **SECTION 9: Physical and chemical properties**

---

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

<b>Physical state</b>	Granular powder.
<b>Colour</b>	Natural colour.
<b>Odour</b>	Odourless.
<b>Melting point/ freezing point:</b>	>1610 °C
<b>Boiling point or initial boiling point / range:</b>	Not determined.
<b>Flammability:</b>	Not determined.
<b>Lower and upper explosion limit:</b>	Not determined.
<b>Flash point:</b>	does not flash
<b>Auto-ignition temperature:</b>	Not determined.
<b>Decomposition temperature:</b>	Not determined.
<b>pH:</b>	neutral
<b>Kinematic viscosity:</b>	Not determined.
<b>Solubility:</b>	insoluble (Water) soluble (Hydrofluoric acid)
<b>Partition coefficient n-octanol/water (log value):</b>	Not determined.
<b>Vapour pressure:</b>	Not determined.
<b>Density and/or relative density:</b>	2.65 g/ml

Quartz sand

Print Date 17.04.2024

4 / 8

GHS 4

**Relative vapour density:** Not determined.  
**Particle characteristics:** Not applicable.

## 9.2. Other information

**9.2.1 Information with regard to physical hazard classes** No information available.

**9.2.2 Other safety characteristics** No information available.

---

## ***SECTION 10: Stability and reactivity***

---

**10.1. Reactivity** Reacts with acid with the evolution of CO<sub>2</sub>.

**10.2. Chemical stability** No decomposition if used as directed.

**10.3. Possibility of hazardous reactions** No hazards to be specially mentioned.

**10.4. Conditions to avoid** Not required.

**10.5. Incompatible materials** Acids.

**10.6. Hazardous decomposition products** None under normal use.

---

## ***SECTION 11: Toxicological information***

---

### **11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008**

**Acute toxicity** No data is available on the product itself.

**Skin corrosion/irritation** None.

**Serious eye damage/eye irritation** May irritate eyes.

**Respiratory / Skin Sensitisation** None.

**Carcinogenicity** Contains no ingredient listed as a carcinogen.

**Germ cell mutagenicity** Contains no ingredient listed as a mutagen.

**Reproductive toxicity** Contains no ingredient listed as toxic to reproduction.

**Specific target organ toxicity (single exposure)** No data available.

**Specific target organ toxicity (repeated exposure)** This product contains respirable quartz as an impurity, which is classified as STOT RE1 according to the criteria in the Regulation (EC) no. 1272/2008. Prolonged and/or massive exposure to dust containing respirable crystalline silica can cause silicosis. This disease is a nodular pulmonary fibrosis caused by inhalation and deposition of mineral dust.

**Aspiration hazard** No data available.

**Human experience** No data available.

## 11.2. Information on other hazards

**Endocrine disrupting properties** Contains no endocrine disrupting chemicals.

**Other information** No data available.

---

## ***SECTION 12: Ecological information***

---

**12.1. Toxicity** No data available.

**12.2. Persistence and degradability** Can be eliminated from water by sedimentation.

**12.3. Bioaccumulative potential** Does not bioaccumulate.

**12.4. Mobility in soil** No data available.

**12.5. Results of PBT and vPvB assessment** No information available.

**12.6. Endocrine disrupting properties** Contains no endocrine disrupting chemicals.

**12.7. Other adverse effects** This product has no known eco-toxicological effects.

---

## ***SECTION 13: Disposal considerations***

---

### **13.1. Waste treatment methods**

**Waste from residues / unused products** Dispose of in accordance with local regulations.

**Contaminated packaging** Offer rinsed packaging material to local recycling facilities.

---

## ***SECTION 14: Transport information***

---

**14.1. UN number or ID number** Not applicable.

**14.2. UN proper shipping name** Not applicable.

**14.3. Transport hazard class(es)** Not applicable.

**14.4. Packing group** Not applicable.

<b>14.5. Environmental hazards</b>	Not applicable.
<b>14.6. Special precautions for user</b>	Not applicable.
<b>14.7. Maritime transport in bulk according to IMO instruments</b>	Not applicable.
<b>UN Model Regulations</b>	
<b>ADR/RID</b>	Not regulated.
<b>IMDG</b>	Not regulated.
<b>IATA</b>	Not regulated.
<b>Further Information</b>	Not classified as dangerous in the meaning of transport regulations.

---

## **SECTION 15: Regulatory information**

---

### **15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

<b>Regulatory Information</b>	The product is classified and labelled according to Regulation (EC) No. 1272/2008.
<b>Quarz (CAS 14808-60-7)</b> EU - Plant Protection Products (1107/2009/EC) - Active Substances	Only uses as repellent may be authorised (sand <=0.1% of particles of crystalline Silica with diameter <50 µm details in Commission Implementing Regulation 2022/708/EU, listed under part D) Conditions of use shall include risk mitigation measures, where appropriate (details in Commission Implementing Regulation 2023/1488/EU, listed under part D)
EU - REACH (1907/2006) - List of Registered Intermediates	Present ([238-878-4])
<b>15.2. Chemical safety assessment</b>	Excepted from the REACH obligation to register in accordance with Annex V, 7.

---

## **SECTION 16: Other information**

---

<b>Revision Note</b>	This data sheet contains changes from the previous version in section(s): 1, 2, 3, 15.
<b>Key or legend to abbreviations and acronyms</b>	CLP: Classification according to Regulation (EC) No. 1272/2008 (GHS)
<b>Key literature references and sources for data</b>	Sources of key data used to compile the Safety Data Sheet: REACH, ECHA.
<b>Classification procedure</b>	On basis of test data.
<b>Full text of phrases referred to under sections 2 and 3</b>	None.

**Training advice**

Workers must be informed about the silica content of the product and must be trained in the intended use of the product.

**Instructions for use**

Restricted to professional users.

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.