



## SAFETY DATA SHEET

(REACH regulation (EC) n° 1907/2006 - n° 453/2010)

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1. Product identifier

Product name: QUARTZ  
Product code: SIO2.

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

N/A

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

Registered company name: SAINT-GOBAIN CRISTAUX & DETECTEURS.  
Address: 104, Route de Larchant.F-77140.SAINT-PIERRE-LES-NEMOURS.France.  
Telephone: +33 (0)1 64 45 10 10. Fax: -.  
<http://crystals.saint-gobain.com>

#### 1.4. Emergency telephone number : +33 (0)1 45 42 59 59.

Association/Organisation: INRS / ORFILA <http://www.centres-antipoison.net>.

### SECTION 2: HAZARDS IDENTIFICATION

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

##### In compliance with EC regulation No. 1272/2008 and its amendments.

This substance does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.  
This substance does not present a health hazard.  
This substance does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

##### In compliance with directives 67/548/EEC, 1999/45/EC and their amendments.

This substance does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.  
This substance does not present a health hazard.  
This substance does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

#### 2.2. Label elements

##### In compliance with EC regulation No. 1272/2008 and its amendments.

No labelling requirements for this substance.

##### In compliance with directives 67/548/EEC, 1999/45/EC and their amendments.

No labelling requirements for this substance.

#### 2.3. Other hazards

No data available.

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1. Substances

##### Composition :

Identification	Name	Classification	%
CAS: 14808-60-7 EC: 238-878-4	QUARTZ (SIO2)		100.0000 %

#### 3.2. Mixtures

No substances fulfil the criteria set forth in annexe II section A of the REACH regulation (EC) n° 1907/2006.

### SECTION 4: FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.  
NEVER induce swallowing by an unconscious person.

#### 4.1. Description of first aid measures

**In the event of exposure by inhalation:**

If a large quantity of dust is inhaled, move the patient into the fresh air and keep him/her warm and still.

**In the event of splashes or contact with eyes:**

Wash thoroughly with soft, clean water for 15 minutes holding the eyelids open.

If there is any redness, pain or visual impairment, consult an ophthalmologist.

**In the event of splashes or contact with skin:**

Watch out for any remaining product between skin and clothing, watches, shoes, etc.

Wash the skin thoroughly with soap and water or a recognised cleaner.

**In the event of swallowing:**

Seek medical attention, showing the label.

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

No data available.

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

No data available.

**SECTION 5: FIREFIGHTING MEASURES**

Non-flammable.

**5.1. Extinguishing media****5.2. Special hazards arising from the substance or mixture**

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.

Do not breathe in smoke.

In the event of a fire, the following may be formed:

- silicone oxide

**5.3. Advice for firefighters**

No data available.

**SECTION 6: ACCIDENTAL RELEASE MEASURES****6.1. Personal precautions, protective equipment and emergency procedures**

Consult the safety measures listed under headings 7 and 8.

**For fire-fighters**

Fire-fighters will be equipped with suitable personal protective equipment (See section 8).

**6.2. Environmental precautions**

Prevent any material from entering drains or waterways.

**6.3. Methods and material for containment and cleaning up**

Retrieve the product by mechanical means (sweeping/vacuuming).

**6.4. Reference to other sections**

No data available.

**SECTION 7: HANDLING AND STORAGE**

Requirements relating to storage premises apply to all facilities where the substance is handled.

**7.1. Precautions for safe handling**

Always wash hands after handling.

**Fire prevention:**

Prevent access by unauthorised personnel.

**Recommended equipment and procedures:**

For personal protection, see section 8.

Observe precautions stated on label and also industrial safety regulations

**Prohibited equipment and procedures:**

No smoking, eating or drinking in areas where the substance is used.

**7.2. Conditions for safe storage, including any incompatibilities**

No data available.

**Packaging**

Always keep in packaging made of an identical material to the original

**7.3. Specific end use(s)**

No data available.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1. Control parameters****Occupational exposure limits:**

- ACGIH TLV (American Conference of Governmental Industrial Hygienists, Threshold Limit Values, 2010):

CAS	TWA:	STEL:	Ceiling:	Definition:	Criteria:
14808-60-7	0.05 mg/m3	-	-	-	R

- France (INRS - ED984:2007 and French Order of 30/06/2004):

CAS	VME-ppm:	VME-mg/m3:	VLE-ppm:	VLE-mg/m3:	Notes:	TMP No.:
14808-60-7	-	0.1 A	-	-	-	25

- Switzerland (SUVA 2009):

CAS	VME-mg/m3:	VME-ppm:	VLE-mg/m3:	VLE-ppm:	Temps:	RSB:
14808-60-7	0,15 a	-	-	-	-	-

- UK / WEL (Workplace exposure limits, EH40/2005, 2007):

CAS	TWA:	STEL:	Ceiling:	Definition:	Criteria:
14808-60-7	0.3 mg/m3	-	-	-	R

**8.2. Exposure controls****Personal protection measures, such as personal protective equipment**

Use personal protective equipment that is clean and has been properly maintained.

Store personal protective equipment in a clean place, away from the work area.

Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

**- Eye / face protection**

Avoid contact with eyes.

Before handling powders or dust emission, wear mask goggles in accordance with standard EN166.

**- Hand protection**

Wear suitable protective gloves in the event of prolonged or repeated skin contact.

**- Body protection**

Work clothing worn by personnel shall be laundered regularly.

After contact with the product, all parts of the body that have been soiled must be washed.

**- Respiratory protection**

Avoid breathing dust.

Type of FFP mask:

Wear a disposable half-mask dust filter in accordance with standard EN149.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES****9.1. Information on basic physical and chemical properties****General information:**

Physical state:	solid
-	Crystal.
Colour:	Colourless.
Odour:	Odourless.
Empirical formula :	SiO2
Molecular weight:	60.08

**Important health, safety and environmental information:**

pH of the substance or preparation:	not relevant.
The pH is impossible to measure or its value is not relevant.	
Boiling point/boiling range:	1997 °C.
Flash point interval:	not relevant.
Vapour pressure:	not relevant.
Density:	2.65
Water solubility:	Insoluble.
Melting point/melting range:	1610 °C.

**9.2. Other information**

No data available.

## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

No data available.

### 10.2. Chemical stability

This substance is stable under the recommended handling and storage conditions in section 7.

### 10.3. Possibility of hazardous reactions

No data available.

### 10.4. Conditions to avoid

Avoid:

- heating
- heat
- formation of dusts

Dusts can form an explosive mixture with air.

### 10.5. Incompatible materials

Keep away from:

- bases
- strong oxidising agents

N/A

- fluorine

### 10.6. Hazardous decomposition products

The thermal decomposition may release/form:

N/A

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

Repeated or prolonged contact with the substance may cause removal of natural oil from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

### Monograph(s) from the IARC (International Agency for Research on Cancer):

CAS 14808-60-7 : IARC Group 1: The agent is carcinogenic to humans.

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

#### Substances

No aquatic toxicity data available for the substances.

### 12.2. Persistence and degradability

No data available.

### 12.3. Bioaccumulative potential

No data available.

### 12.4. Mobility in soil

No data available.

### 12.5. Results of PBT and vPvB assessment

No data available.

### 12.6. Other adverse effects

No data available.

### German regulations concerning the classification of hazards for water (WGK):

Nicht wassergefährdend (VwVwS vom 27/07/2005, KBws): Not hazardous for water.

## SECTION 13: DISPOSAL CONSIDERATIONS

Proper waste management of the substance and/or its container must be determined in accordance with Directive 2008/98/EC.

### 13.1. Waste treatment methods

Do not pour into drains or waterways.

**Waste:**

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

**Soiled packaging:**

Empty container completely. Keep label(s) on container.

Give to a certified disposal contractor.

**SECTION 14: TRANSPORT INFORMATION**

Exempt from transport classification and labelling.

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport (ADR 2011 - IMDG 2010 - ICAO/IATA 2011).

**SECTION 15: REGULATORY INFORMATION****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****- Particular provisions:**

No data available.

**- German regulations concerning the classification of hazards for water (WGK):**

Germany: Nicht wassergefährdend (VwVwS vom 27/07/2005, KBws)

**15.2. Chemical safety assessment**

No data available.

**SECTION 16: OTHER INFORMATION**

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the substance and not as a guarantee of the properties thereof.

**Abbreviations:**

ADR: European agreement concerning the international carriage of dangerous goods by Road.

IMDG: International Maritime Dangerous Goods.

IATA: International Air Transport Association.

ICAO: International Civil Aviation Organisation

RID: Regulations concerning the International carriage of Dangerous goods by rail.

WGK: Wassergefährdungsklasse (Water Hazard Class).