



Quartz	14808-60-7	0.10% - 1.00%
--------	------------	---------------

## Section 4: First Aid Measures

### 4.1 Description of First Aid Measures

**After Inhalation:** Supply fresh air. If required provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

**After Eye Contact:** Remove contact lens if worn. Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

**After Skin Contact:** Immediately wash with water and soap and rinse thoroughly. If skin irritation continues, consult a doctor.

**After Swallowing:** Rinse out mouth and then drink plenty of water. Do not induce vomiting. Call for medical help immediately.

**Notes to Physician:** Treat symptomatically

## Section 5: Firefighting Measures

Flash Point: 998 C (1,828 F)

LEL:

UEL:

### 5.1 Extinguishing Media

Alcohol resistant foam

Fire-extinguishing powder

Carbon dioxide

### 5.2 Special Hazards Arising from the Substance or Mixture

Formation of toxic gases is possible during heating or in case of fire.

### 5.3 Hazardous Combustion Products

Carbon oxides

### 5.4 Advice for Firefighters

Wear self-contained respiratory protective device

### 5.5 Fire Equipment

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations

## Section 6: Accidental Release Measures

### 6.1 Personal Precautions, Protective Equipment and Emergency Procedures

Avoid dust formation

Do not breathe dust

Avoid contact with skin, eyes and clothing

Remove all non-essential people from the affected area.

Ensure adequate ventilation

Wear protective equipment

**6.2 Environmental Precautions:** Do not allow to enter sewers/ surface or ground water.

Prevent seepage into sewage system, workpits and cellars

### 6.3 Methods and Materials for Containment and Cleaning Up:

Ensure adequate ventilation.

Pick up and arrange disposal without creating dust.

Dispose of the collected material according to regulations

### 6.4 Reference to Other Sections

For personal protection see Section 8

For disposal information see Section 13.

## Section 7: Handling and Storage

### 7.1 Precautions for Safe Handling

Avoid formation of respirable particles

Do not breath vapours/dust

Do not get in eyes, on skin, or on clothing

Ensure good ventilation/exhaustions at the workplace

Make sure that all applicable workplace limits are observed.

### 7.2 Conditions for Safe Storage, Including any Incompatibilities

Store in cool, dry conditions in well sealed receptacles

Keep receptacle tightly sealed. Store in dry conditions.

Protect from humidity and water

Storage temperature 10 - 50 °C

Do not store together with oxidizing and acidic materials.

**Requirements to be Met by Storerooms and Receptacles:** Observe all local and national regulations for storage of water polluting products.

### 7.3 Specific End Use(s)

No further relevant information available.

## Section 8: Exposure Controls/Personal Protection

### 8.1 Control Parameters

Ingredients with limit values that require monitoring at the workplace:

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Limestone 1317-65-3	15 mg/m <sup>3</sup> TWA (total dust); 5 mg/m <sup>3</sup> TWA (respirable fraction)	Not Established	NIOSH: 10 mg/m <sup>3</sup> TWA (total dust); 5 mg/m <sup>3</sup> TWA (respirable dust)
Calcium sulfate 7778-18-9	15 mg/m <sup>3</sup> TWA (total dust); 5 mg/m <sup>3</sup> TWA (respirable fraction)	10 mg/m <sup>3</sup> TWA (inhalable fraction)	NIOSH: 10 mg/m <sup>3</sup> TWA (total dust); 5 mg/m <sup>3</sup> TWA (respirable dust)
Gypsum (Ca(SO <sub>4</sub> ).2H <sub>2</sub> O) 13397-24-5	15 mg/m <sup>3</sup> TWA (total dust); 5 mg/m <sup>3</sup> TWA (respirable fraction)	10 mg/m <sup>3</sup> TWA (inhalable fraction, listed under Calcium sulfate)	NIOSH: 10 mg/m <sup>3</sup> TWA (total dust); 5 mg/m <sup>3</sup> TWA (respirable dust)

Proprietary Acrylic Resin Proprietary	Not Established	Not Established	Not Established
Quartz 14808-60-7	Not Established	0.025 mg/m <sup>3</sup> TWA (respirable fraction)	NIOSH: 0.05 mg/m <sup>3</sup> TWA (respirable dust)

**Additional Information:** The lists that were valid during the creation were used as a basis.

## 8.1 Exposure Controls

### Personal Protective Equipment

#### General Protective and Hygienic Measures

The usual precautionary measures are to be adhered to when handling chemicals.

Do not eat, drink, smoke or sniff while working

Keep away foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin

## 8.2 Exposure Controls

### Personal Protective Equipment

#### General Protective and Hygienic Measures:

Eye Protection: Safety glasses with side shields.

Respiratory Protection: Use suitable respirator protective device in case of insufficient ventilation. Use suitable respiratory protective device when dust and fumes is formed.

Protection of Hands: Protective gloves: to avoid skin problems, the glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Material of Gloves: Neoprene, butyl rubber gloves, the selection of the suitable gloves does not only depend on the material, but also on the further marks of quality and varies from manufacturer to manufacturer several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application. Penetration time of Glove Material:

Protective gloves should be replaced at the first signs of wear. The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed. Skin and Body Protection: Choose body protection according to the amount and concentration of the dangerous substance at the work place.

## Section 9: Physical and Chemical Properties

### 9.1 Information on Basic Physical and Chemical Properties

<b>Appearance:</b> Gray solid	<b>Odor:</b> None
<b>Vapor Pressure:</b> 0.0020 mmHg	<b>Odor threshold:</b> Not determined
<b>Vapor Density:</b> 1.0	<b>pH:</b> Not applicable
<b>Specific Gravity:</b> 2.677564889	<b>Melting point:</b> Not applicable
<b>Freezing point:</b> Not applicable	<b>Solubility:</b> Not applicable
<b>Boiling range:</b> N/A	<b>Flash point:</b> 1828 F, 998 C
<b>Evaporation rate:</b> Not determined	<b>Flammability:</b> 998 C, 1828 F
<b>Explosive Limits:</b> Not determined	<b>Partition coefficient (n-octanol/water):</b> Not determined
<b>Autoignition temperature:</b> N/A	<b>Decomposition temperature:</b> Not determined

<b>Grams VOC less water:</b> Not determined	
---	--

## Section 10: Stability and Reactivity

### 10.2 Chemical Stability

No decomposition if stored and applied as directed.

### 10.3 Possibility of Hazardous Reactions

Hazardous polymerization will not occur.

## Section 11: Toxicological Information

Mixture Toxicity  
Component Toxicity

### 11.1 Information on Toxicological Effects

**Routes of Entry:**

No data available

**Target Organs:**

Eyes      Skin      Respiratory System

**Effects of Overexposure**

**Carcinogenicity:** The following chemicals comprise 0.1% or more of this mixture and are listed and/or classified as carcinogens or potential carcinogens by NTP, IARC, OSHA (mandatory listing), or ACGIH (optional listing).

<u>CAS Number</u>	<u>Description</u>	<u>% Weight</u>	<u>Carcinogen Rating</u>
14808-60-7	Quartz	0.1 to 1.0%	Quartz: NIOSH: potential occupational carcinogen IARC: Human carcinogen OSHA: listed

## Section 12: Ecological Information

### 12.1 Persistence and Degradability

**Product:** No further relevant information available

### 12.2 Bioaccumulative Potential

**Product:** Bioaccumulation: No further relevant information available

Partition coefficient: n-octanol/water: No further relevant information available

### 12.3 Mobility in Soil

**Product:** Distribution among environmental compartments: No further relevant information available.

**Additional Ecological Information:**

**General notes:** German Hazard Water Class NWG

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

#### 12.4 Results of PBT and vPvB Assessment

Assessment: This mixture contains no substance considered to be persistent, bioaccumulating nor toxic (PBT). This mixture contains no substance considered to be very persistent nor very bioaccumulating (vPvB)

#### 12.5 Other Adverse Effects

**Product:** No further relevant information available

#### 12.6 Toxicity

##### Component Ecotoxicity

Calcium sulfate

96 Hr LC50 Lepomis macrochirus: 2980 mg/L [static]; 96 Hr LC50 Pimephales promelas: >1970 mg/L [static]

### Section 13: Ecological Information

#### 13.1 Waste Treatment Methods

**Product:** The product should not be allowed to enter drains, water courses or the soil. Do not contaminate ponds, waterways or ditches the chemical or used container. Offer surplus and non-recyclable solutions to a licensed disposal company. Send to a licensed waste management company.

**Contaminated Packaging:** Empty remaining contents. Dispose of as unused product. Do not re-use empty containers

### Section 14: Transport Information

#### 14.1 UN Number

<u>Agency</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
Not	Classified			

### Section 15: Regulatory Information

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

##### Prop 65 - Chemicals Known to Cause Developmental Toxicity

- None

##### Prop 65 - Chemicals Known to Cause Cancer:

14808-60-7 Quartz

<u>Country</u>	<u>Regulation</u>	<u>All Components Listed</u>
USA	U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities	No
USA	U.S. - CERCLA/SARA - Section 313 - Emission Reporting	No
USA	U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs	No
USA	U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs	No

USA	U.S. - CERCLA/SARA - Section 313 - PBT Chemical Listing	No
USA	TSCA (Inventory - United States - Section 8(b) Inventory (TSCA)	Yes
Canada	DSL (Canadian Domestic Substance List)	Yes
Europe	EINECS (European Inventory of Existing Commercial Chemical Substances)	No
China	IECSC (Inventory of Chemical Substances Manufactured or Imported in China)	Yes
Australia	AICS (Australian Inventory of Chemical Substances and National Industrial Chemicals Notification and Assessment Scheme)	No
Phillipines	PICCS (Phillipines Inventory of Chemicals and Chemical Substances)	No
Korea	KECL (Korean Existing Chemical and Chemical Substances)	No
New Zealand	NZIoC (New Zealand Inventory of Chemicals)	Yes
Japan	ISHL (Japanese Handbook of Existing and New Chemical Substances)	No

## Section 16: Other Information

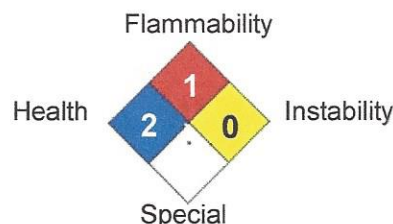
### Hazardous Material Information System (HMIS)

HEALTH	2
FLAMMABILITY	1
PHYSICAL HAZARD	0
PERSONAL PROTECTION	E

#### HMIS & NFPA Hazard Rating Legend

\* = Chronic Health Hazard  
 0 = INSIGNIFICANT  
 1 = SLIGHT  
 2 = MODERATE  
 3 = HIGH

### National Fire Protection Association (NFPA)



We believe the information contained in this SDS is correct, however, because the material may be used under conditions over which we have no control, we give no warranty and assume no responsibility for any damage to person, property or business arising from such use. It is the responsibility of the user to ensure it is properly used. Recipients are advised to confirm in advance of need that the information is current, applicable and suitable to their circumstances. This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Reviewer Revision

Date Prepared: 5/30/2015

1001	1001	1001
1002	1002	1002
1003	1003	1003
1004	1004	1004
1005	1005	1005
1006	1006	1006
1007	1007	1007
1008	1008	1008
1009	1009	1009
1010	1010	1010
1011	1011	1011
1012	1012	1012
1013	1013	1013
1014	1014	1014
1015	1015	1015
1016	1016	1016
1017	1017	1017
1018	1018	1018
1019	1019	1019
1020	1020	1020

Section 12: Overall Information

Information regarding the overall structure and content of the document.



Additional text or graphics in the middle-right section, including a small table or diagram.

Main body of text providing detailed information and analysis, spanning the bottom half of the page.