

**QUARTZ****0808**

September 1997

CAS No: 14808-60-7  
RTECS No: VV7330000Crystalline silica, quartz  
Crystalline silicon dioxide, quartz  
Silicic anhydride  
SiO<sub>2</sub>  
Molecular mass: 60.1

TYPES OF HAZARD/ EXPOSURE	ACUTE HAZARDS/SYMPTOMS	PREVENTION	FIRST AID/FIRE FIGHTING
<b>FIRE</b>	Not combustible.		In case of fire in the surroundings: all extinguishing agents allowed.
<b>EXPLOSION</b>			
<b>EXPOSURE</b>		<b>PREVENT DISPERSION OF DUST!</b>	
<b>Inhalation</b>	Cough.	Local exhaust or breathing protection.	
<b>Skin</b>			
<b>Eyes</b>		Safety goggles, or eye protection in combination with breathing protection.	
<b>Ingestion</b>			
<b>SPILLAGE DISPOSAL</b>	<b>PACKAGING &amp; LABELLING</b>		
Sweep spilled substance into containers; if appropriate, moisten first to prevent dusting. Wash away remainder with plenty of water. (Extra personal protection: P3 filter respirator for toxic particles).			
<b>EMERGENCY RESPONSE</b>	<b>SAFE STORAGE</b>		

**IPCS**International  
Programme on  
Chemical SafetyPrepared in the context of cooperation between the International  
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IPCS 2006**SEE IMPORTANT INFORMATION ON THE BACK.**

### IMPORTANT DATA

**Physical State; Appearance**

COLOURLESS, WHITE OR VARIABLE BLACK, PURPLE, GREEN CRYSTALS

**Chemical dangers**

Reacts with strong oxidants causing fire and explosion hazard.

**Occupational exposure limits**

TLV: (respirable fraction) 0.025 mg/m<sup>3</sup>; A2 (suspected human carcinogen); (ACGIH 2006).

MAK: Carcinogen category: I (DFG 2005).

**Routes of exposure**

The substance can be absorbed into the body by inhalation.

**Inhalation risk**

Evaporation at 20/C is negligible; a harmful concentration of airborne particles can, however, be reached quickly when dispersed.

**Effects of long-term or repeated exposure**

The substance may have effects on the lungs, resulting in fibrosis (silicosis). This substance is carcinogenic to humans.

### PHYSICAL PROPERTIES

Boiling point: 2230/C  
Melting point: 1610/C

Relative density (water = 1): 2.6  
Solubility in water: none

### ENVIRONMENTAL DATA

### NOTES

Depending on the degree of exposure, periodic medical examination is indicated.  
CSQZ, DQ 12, Min-U-Sil, Sil-Co-Sil, Snowit, Sykron F300, Sykron F600 are trade names.  
Card has been partially updated in January 2008: see Occupational Exposure Limits.

### ADDITIONAL INFORMATION

**LEGAL NOTICE**

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