

QUARTZ

0808

October 1997

CAS No: 14808-60-7
RTECS No: VV7330000
UN No:
EC No:

Crystalline silica, quartz
Crystalline silicon dioxide, quartz
Silicic anhydride
SiO₂
Molecular mass: 60.1

TYPES OF HAZARD/ EXPOSURE	ACUTE HAZARDS/SYMPTOMS	PREVENTION	FIRST AID/FIRE FIGHTING
FIRE	Not combustible.		In case of fire in the surroundings: all extinguishing agents allowed.
EXPLOSION			

EXPOSURE		PREVENT DISPERSION OF DUST!	
Inhalation	Cough.	Local exhaust or breathing protection.	
Skin			
Eyes		Safety goggles, or eye protection in combination with breathing protection.	
Ingestion			

SPILLAGE DISPOSAL	PACKAGING & LABELLING
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).	Symbol R: S:

EMERGENCY RESPONSE	STORAGE

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: 0.1 mg/m³ (respirable dust) (ACGIH 1997).

MAK: 0.15 mg/m³; (1996)

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.

ADDITIONAL INFORMATION

LEGAL NOTICE

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