### QUARTZ

**CAS No:** 14808-60-7  
**RTECS No:** VV7330000

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

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#### TYPES OF HAZARD/EXPOSURE

<table>
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<tr>
<th>ACUTE HAZARDS/SYMPTOMS</th>
<th>PREVENTION</th>
<th>FIRST AID/FIRE FIGHTING</th>
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<tr>
<td><strong>FIRE</strong></td>
<td>Not combustible.</td>
<td>In case of fire in the surroundings: all extinguishing agents allowed.</td>
</tr>
<tr>
<td><strong>EXPLOSION</strong></td>
<td></td>
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</tbody>
</table>

#### EXPOSURE

| Inhalation | Cough. | Local exhaust or breathing protection. |
| Skin       |        |                                         |
| Eyes       | Safety goggles, or eye protection in combination with breathing protection. |
| Ingestion  |        |                                         |

#### SPILLAGE DISPOSAL

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.)

#### EMERGENCY RESPONSE

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#### SAFE STORAGE

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SEE IMPORTANT INFORMATION ON THE BACK.
0808 QUARTZ

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/m³; 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

Neither the EC nor the IPCS nor any person acting on behalf of the EC or the IPCS is responsible for the use which might be made of this information.

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