



SAFETY DATA SHEET

5165

QUARTZ

1. Identification of substance/preparation and of the company undertaking

Trade Name:	Quartz
Chemical Name:	-

2. Composition /information on ingredients

Hazardous Components in Product for EC Component Name	Silica Flour.
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3. Hazards Identification

Main Hazards:	Possibly of dust generation on handling. Harmful by inhalation. Danger of serious damage to health by prolonged exposure.
Eyes:	Dust will cause transient irritant by abrasion.
Skin:	Dust may cause irritation by abrasion.
Ingestion:	Gastrointestinal irritation.
Inhalation:	Prolonged exposure to dust may have the following effects: Long term irreversible effects from inhalation of respirable crystalline silica.

4. First Aid Measures

Eyes:	Immediately flood the eye with plenty of water for at least 10 minutes, holding the eye open. Obtain medical attention if soreness or redness persists.
Skin:	Wash Skin thoroughly with soap and water.
Ingestion:	Wash out mouth with water.
Advice to physicians:	Treat symptomatically.

5. Fire Fighting Hazards

Extinguishing Media:	Not Combustible.
Special Hazards of Product:	Avoid the formation of dust clouds.



6. Accidental Release Measure

Dry- Spillage:	Sweep or preferably vacuum up and collect in suitable containers for recovery or disposal. Avoid creating a dust. Dampen down with water if possible.
Moist – Spillage:	Sweep up into suitable containers for recovery or disposal.

7. Handling & Storage

Handling:	Avoid creating dust. Avoid inhaling dust.
Storage:	Storage area should be well ventilated.

8. Exposure Control/Personal Protection

Occupational Exposure Limits for Silica Flour.

UK EH40:	MEL 0.3mg/ m ³ 8h TWA. Silica Crystalline Dust, respirable.
Engineering control Measures:	Use of the basic principles of Industrial Hygiene will enable this material to be used safely. Local exhaust ventilation is recommended when dust is likely to be generated from the handling of dry material. Wherever practical, the product should be handled within a closed system.
Respiratory Protection:	Dust respirator if conditions are dusty.
Hand Protection:	PVC Gloves.
Eye Protection:	Chemical goggles or face shield.
Body Protection:	Normal work wear. Overall or apron.

9. Physical & Chemical Properties

Physical state:	Powder.
Colour:	Off- White.
Odour:	Odourless.
Solubility in water (kg/ m³):	Insoluble.
Density (kg/ m³):	2650.
Particle size Range:	0-250 Microns.

10. Stability & Reactivity

Stability:	Stable under normal conditions.
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11. Toxicological Information

Eyes:	This material is an irritant to the eyes
Skin:	The degree of irritation was insufficient to warrant labelling as a skin irritant.

12. Ecological Information

Mobility:	The product is involatile and insoluble and will accumulate in the ground.
Persistence/ Degradability:	The product is resistant to biodegradation.

13. Disposal Considerations

Product Disposal:	Landfill. Dispose of in accordance with all applicable local and national regulations.
Container Disposal:	Contaminated containers must not be treated as household waste.

14. Transport Information

ADR/ RID – Description:	Not classified for conveyance purposes.
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15. Regulatory Information

Labelling Information	X – Harmful. Not classified (safety) Not classified (environment)
R Phrases	Harmful by inhalation. Danger of serious damage to health by prolonged exposure.
S Phrases	Do not breathe dust. Take precautionary measures against static discharges.

16. Other Information

MSDS first issued:	16 June 1995
MSDS data revised:	11 February 1998
Uses and Restrictions:	Filler.
Additional Data:	STATEMENT REGARDING RESPIRABLE SILICA. This product contains respirable Silica in the form of Quartz (particle size range in Microns is stated in section 9 of this MSDS). Prolonged exposure can give rise to fibrosis of the lungs, commonly referred to as silicosis. The



respirable percentage of SiO₂ available to inhale will be dependent upon prevailing conditions.