



Product Safety Information (MSDS)

ID: IFI-CFR-003

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Melting point	1550 to 1570°C
Evaporation rate	Not available
Vapour density	Not available
Specific gravity	2.2 to 2.3
Solubility (water)	Insoluble
Vapour pressure	Not available
Upper explosion limit	Not relevant
Lower explosion limit	Not relevant
Partition coefficient	Not available
Autoignition temperature	Not available
Decomposition temperature	Not available
Viscosity	Not available
Explosive properties	Not available
Oxidising properties	Not available
Odour threshold	Not available
% Volatiles	Not available
Density	150 to 700 kg/m ³
Particle size, mean	015 (less than 0.1% of primary particles > 45µm)

10. Stability and Reactivity

Conditions to avoid:

Chemical stability Stable under recommended conditions of storage.

Conditions to avoid Avoid heat, sparks, open flames and other ignition sources.

Material to avoid Incompatible with hydrofluoric acid (may evolve toxic silicon tetrafluoride gas).

Hazardous Decomposition The product reacts with hydrofluoric acid (HF) forming toxic gas (SiF₄). Heating the product above 1000 °C can result in the formation of crystalline SiO₂-modifications as cristobalite / tridymite which may cause pulmonary fibrosis (silicosis).

Products

Hazardous Reactions Polymerization will not occur.

11. Toxicological Information

Health Hazard Summary Irritant. Use safe work practices to avoid eye or skin contact and inhalation. Over exposure to amorphous silica does not cause silicosis, however there is a risk of pulmonary fibrosis associated with the crystalline silica contaminant. Crystalline silica is classified as

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