

MATERIAL SAFETY DATA SHEET

Section 1 Chemical Product & Company Identification

Product Name: REOSIL (Hydrophilic Type: CP&QS-Grade)

Manufacturer Name: Tokuyama Corp.

Sales Department, Silica & Derivatives Business Division.

Address : Konno Bldg.3-1, Shibuya 3-chome, Shibuya-Ku, Tokyo, 150-83883 Japan.

Telephone No: 81-3-3597-5026 Facsimile No: 81-3-3499-8953

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Section 2 Composition / Information on Ingredients

Mixture / Substance : Substance

Chemical Name : Silicon Dioxide(Amorphous)

Synonyms : Silica, Synthetic Amorphous Silica,
Amorphous Fumed Silica,

Cas No. : 112945-52-5

Chemical Formula : SiO₂

Ingredients and Composition : 100%

Other Contaminants : Trace Levels of Metallic Impurities

UN Number : None

Section 3 Hazards Identification

Classification : Group-3 (IARC)

Hazards : No significant target effects reported.

Section 4 First Aid Measures

Inhalation : Remove from exposure area to fresh air immediately.

Perform artificial respiration if necessary .

Get medical attention if necessary .

Skin Contact : Remove contaminated clothing and shoes immediately .

Wash with soap or mild detergent and large amount of water until no evidence of chemical remains (at least 15-20 minutes).

Get medical attention immediately.

Eye Contact : Wash eyes immediately with large amount of water, occasionally lifting upper and lower lids , until no evidence of chemical remains (at least 15-20 minutes).

Get medical attention immediately .

Ingestion : If vomiting occurs, keep head lower than hips to help prevent aspiration.
Get medical attention if needed.

Section 5 Fire Fighting Measures

Fire and Explosion Hazard : Negligible fire hazard when exposed to heat or flame.
Extinguishing Media : Use extinguish agent appropriate for surrounding fire.
Firefighting : No acute hazard. Move container from fire area if possible .
Avoid breathing vapors or dusts .

Section 6 Accidental Release Measures

Occupational Spill : For large spills , sweep up with a minimum of dusting and place into suitable containers for reclamation or disposal.
Residue should be cleaned up using a high-efficiency particulate filter vacuum.

Section 7 Handling and Storage

Handling: Avoid breathing dust .

Avoid contact with eyes , skin or clothing .

Keep container tightly closed .

Wash thoroughly after handling .

Use only with adequate ventilation .

Storage : Observe all federal, state and local regulations when storing this substance .

Store in a dry place, keep container tightly closed when not in use .

Keep separated from incompatible substances.

Section 8 Exposure Controls / Personal Protection

Exposure Limits : 10 mg/m³ ACGIH TWA
(total particulate , < 1% quartz)

Ventilation : Provide local exhaust ventilation system to meet published exposure limits.

Eye Protection : Wear splash-proof or dust resistant safety goggles to prevent eye contact with this substance.

Clothing : Wear appropriate protective clothing and equipment to prevent repeated or prolonged skin contact with this substance.

Gloves : Protective gloves are recommended .

Respirator : The specific respirator selected must be based on contamination levels found in the work place , must not exceed the working limits of the respirator .

Section 9 Physical and Chemical Properties

Description : White Powder, odorless Molecular Weight : 60.09

Boiling Point : 2,230 °C Specific Gravity : 2.2 (20/4°C)

Melting Point : > 1,600 °C pH : 4.0 ~ 4.5 (4% aq. slurry)

Water Solubility : insoluble

Solvent Solubility : Soluble in hydrofluoric acid and molten alkali.

Section 10 Stability and Reactivity

Reactivity: Stable at normal temperatures and pressures.

Section 11 Toxicology Information

Acute Toxicity : LD₅₀ oral-rat 3,160mg/Kg

Carcinogen Status : IARC Group-3

Section 12 Ecological Information

Environmental Impact Rating : no data available

Acute Aquatic Toxicity : no data available

Section 13 Disposal Information

Observe all federal, state and local regulations when disposing of this substance.

Section 14 Transportation Information

No classification currently assigned.

Section 15 Regulation Information

Regulatory information with regard to this product in your country or in your region should be examined by your own responsibility.

Section 16 Other Information

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