

## **MATERIAL SAFETY DATA SHEET**

### **Section 1 Chemical Product & Company Identification**

Product Name:REOLOSIL (Hydrophobic Type: DM-Grade)

Manufacturer Name: Tokuyama Corp.

Silica & Derivatives Sales Department, Si Business Division

### **Section 2 Composition / Information on Ingredients**

Mixture /Substance : Substance

Chemical Name : Hydrophobic Silicon Dioxide (amorphous)

Synonyms : Hydrophobic Silica, Surface treated Silica,

Amorphous Fumed Silica

Cas No. : 68611-44-9

Dimetyldichlorosilane (Cas No.75-78-5),  
reaction product with silica

Chemical Formula :  $\text{SiO}_2 \cdot n((\text{CH}_3)_2 \cdot \text{SiO})$

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 extinguishing agents 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 :  $10 \text{ mg/m}^3$  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.

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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: no data available

Boiling Point : 2,230 °C Specific Gravity : no data available

Melting Point : > 1,600 °C pH : 4.0 ~ 5.5 (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 : LD<sub>50</sub> oral-rat >5g/Kg (Degussa R972data)

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.

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## Section 14 Transportation Information

No classification currently assigned.

## Section 15 Regulation Information

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

## Section 16 Other Information

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