

MATERIAL SAFETY DATA SHEET
FUMED SILICA

Section 1 Chemical Products & Company Identification

Manufacturer Name : Tokuyama Corp.
Address : 1-1 Mikage-cho Tokuyama-city Yamaguchi 745-8648 Japan
Emergency Telephone No.: 81-834-21-4892
Product Name: REOLOSDL Hydrophilic Type
Chemical Name: Silicon Dioxide, Amorphous

Section 2 Composition / Information on Ingredients

Component: Silica , Amorphous Fumed
CasNo.: 112945-52-5
Percentage: > 98 %
Other Contaminants: Trace Levels of Metallic Impurities

Section 3 Hazards Identification

Classification : Group-3 (IARC)
Hazards : May be irritating to skin and eyes.
Avoid breathing dust.
Avoid contact with eyes, skin and clothing.
Keep container tightly closed.
Wash thoroughly after handling.
Use only with adequate ventilation.

Section 4 First Aid Measures

First Aid : 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 to help prevent
aspiration. Treat symptomatically and supportively. Get medical attention if needed

ABL (STEVENS) Resin & Glass

Unit 4, Millbuck Way, Springvale Industrial Estate, Sandbach,
Cheshire, CW11 3HT. Tel/Fax: 01270 766685

Section 5 Fire Fighting Measures

Fire and Explosion Hazard : Negligible Fire hazard when exposed to heat or flame

Extinguishing Media: Extinguish using agent suitable for type of 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

Observe all federal, state and local regulations when storing mis substance.
Store in a dry place, keep container tightly closed when not in use.
Store away from incompatible substance.

Section 8 Exposure Controls / Personal Protection

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

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

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

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

Gloves : Protective gloves are recommended .

Respirator : Employee must wear 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.

ABL (STEVENS) Resin & Glass

Unit 4, Millbuck Way, Springvale Industrial Estate, Sandbach,
Cheshire, CW11 3HT. Tel/Fax: 01270 766685

Section 9 Physical and Chemical Properties

Description : Odorless , White Powder Molecular Weight: 60.09
Molecular Formula: $\text{SiO}_2 \cdot n((\text{CH}_3)_2\text{SiO})$ Boiling Point: 2,230
Melting Point: > 1,600 Specific Gravity : 2.2 (@ 20/4)
Water Solubility: Insoluble pH : 4.0 ~ 5.5 (@ 4% aq slurry)
Solvent Solubility: Soluble in hydrofluoric acid and molten alkali.

Section 10 Stability and Reactivity

Reactivity: Stable under temperatures and pressures.

Section 11 Toxicology Information

LD50: orl-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 .

The supplier makes no warranties, either express or implied , concerning of this product.
User assumes all risk resulting from its use.