

**HAMILTON COMPANY**  
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**MATERIAL SAFETY DATA SHEET**

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 Emergency Phone (24 hours): CHEMTREC: 1-800-424-9300; Outside U.S. 1-202-483-7616

Abbreviations: n/a, not available or applicable; n/d, not or none determined

**SECTION 1 – COMPOSITION/INFORMATION ON INGREDIENTS**

Hazardous Ingredients	EEC No	CAS No	R-phrases	Classification Content
None	231-545-4			
Other Ingredients				
C <sub>8</sub> or C <sub>18</sub> modified silica				100%

**SECTION 2 – HAZARD IDENTIFICATION**

Classification	The product is not classified as dangerous to health. The product is not classified as dangerous to the environment.
Health Effects	In view of the nature of the product and the manner in which it is stored, the most likely exposure routes are by inhalation of dust.
Environmental effects	See “Ecological information”
Other Effects	None known

**SECTION 3 – FIRST AID MEASURES**

Inhalation	Remove to fresh air upon irritation or breathing difficulty.
Skin Contact	None.
Eye Contact	Immediately wash eye thoroughly with excess water. Seek medical attention if irritation persists
Ingestion	NA

**SECTION 4 – FIRE FIGHTING MEASURES**

Extinguisher Media: Governed by other materials present	Flash Point: none
Unsuitable Ext. Media: None known	Auto-flammability: None
Special Protective Equipment: None	Special Exposure Hazards: None

**SECTION 5 – HANDLING AND STORAGE**

Handling: No special requirements

Storage Store in a dry area at ambient temperature, preferably in the original package

Materials to Avoid: None known

**SECTION 6 – ACCIDENTAL RELEASE MEASURES**

Environmental Cleanup Procedures: Sweep up product into a suitable container. Wash away residues to drain if acceptable to local authorities. Avoid the production of dust clouds.

Personal Protection: In the case of dust formation a dust mask is recommended.

**SECTION 7 – EXPOSURE CONTROLS AND PROTECTIVE MEASURES**

Respiratory Protection: If dusty conditions are encountered, wear approved dust respirator.

Hand Protection: Rubber/PVC gloves recommended

Eye Protection: Goggles and eyewash station recommended.

Skin Protection: Full working clothes recommended. Contaminated clothing should be laundered before re-use.

Occupational Limits: GB-OES/STEL: 6mg/m<sup>3</sup> Silica, amorphous (total inhalation dust)  
 GB-OES/STEL: 2.4 mg/m<sup>3</sup> Silica, amorphous (respirator dust, <7.1 μm

**SECTION 7 – PHYSICAL AND CHEMICAL PROPERTIES**

Form and Color:	White powder	Vapor Pressure:	No information
Odor:	Odorless	Density:	NA
Boiling Point:	NA	pH:	NA
Bulk Density:	350 kg.m <sup>3</sup>	Viscosity:	NA
Solubility:	Insoluble in water and organic solvents		

**SECTION 8 – STABILITY AND REACTIVITY**

Hazardous Decomposition: None

Conditions to Avoid: None known

Materials to Avoid: Incompatible with hydrofluoric acid, fluorine, oxygen difluoride, chlorine trifluoride, strong acids, strong bases and oxidizers.

Hazardous Reactions: None

**SECTION 9 – TOXICOLOGICAL INFORMATION**

Acute Toxicity: LD50 (oral, rat): >22 500 mg/kg

Health Effects

Inhalation: The product contains amorphous Silicon dioxide. No cases of Silicosis have been Reported from amorphous silica.

Ingestion: Not expected to be toxic.

Skin Contact: Has a drying effect on skin

Eye Contact: Dust may cause slight transient similar to that produced by all granular materials.

Sensitization Data: Not expected to be sensitizing.

#### SECTION 10 – ECOLOGICAL INFORMATION

Aquatic Toxicity: The product is not expected to be toxic to aquatic life. The product is inorganic and completely insoluble in water.

Persistence/degradability: The product will degrade over very long periods of time.

Bioaccumulative Potential: The product is completely insoluble in water and therefore not expected to effect any subsoil water/water course. Any transport to air can be fully neglected.

#### SECTION 11 – DISPOSAL CONSIDERATIONS

Product Disposal: May be disposed of by landfill, subject to local authorization.

Packaging Disposal: Dispose of by landfill or incineration subject to local authorization

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