



MATERIAL SAFETY DATA SHEET

Identity: FLORISIL®, Magnesium Silicate

SECTION I

Manufacturer's Name U. S. Silica Company	Emergency Telephone Number 304-258-2500
Address P.O. Box 187 Berkeley Springs, WV 25411	Telephone Number for Information 304-258-2500
	Date Prepared 09-01-91

SECTION II — HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous Components: None

Specific Chemical Identity:

Magnesium Silicate MgO 3.75 SiO₂(X) H₂O (CAS 1343-88-0)
A Synthetic Magnesia-Silica Gel

Common Names: FLORISIL®, Grades A, B, PR
(FLORISIL® is a registered trademark of U.S. Silica Company)

OSHA PEL: None Established. Treat as nuisance dust. 29 CFR § 1910.1000 Table Z-1-A Air Contaminants lists;
Particulates not otherwise regulated; PEL = 15 mg/M³ Total Dust
5 mg/M³ Respirable Fraction

ACGIH TLV: None Established; Follow OSHA nuisance Dust PELs.

Other Limits Recommended: None

SECTION III — PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point:	Not Determined	Specific Gravity (H₂O = 1):	2.51
Vapor Pressure (mm Hg.):	Not Applicable	Melting Point:	Not Determined
Vapor Density (AIR = 1):	Not Applicable	Evaporation Rate:	Not Applicable

Solubility in Water: Insoluble in water

Appearance and Odor: White grain or powder. No odor.

SECTION IV — FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): Non-flammable

Flammable Limits: (None) **LEL:** (None) **UEL:** (None)

Extinguishing Media:

Non required; will not burn.

Special Fire Fighting Procedures: None

Unusual Fire and Explosion Hazards: None

SECTION V — REACTIVITY DATA

Stability: Unstable: () Stable: (X) **Conditions to Avoid:** (None)

Incompatibility (Materials to Avoid):

Hydrofluoric Acid (HF), in which FLORISIL® will dissolve and produce the corrosive gas Silicon Tetrafluoride (SiF₄)

Hazardous Decomposition or By-products: See Above for Incompatibility

Hazardous

Polymerization: May Occur: () Will Not Occur: (X) **Conditions to Avoid:** (None)

SECTION VI — HEALTH HAZARD DATA

Route(s) of Entry:

Inhalation? (No) Skin? (No) Ingestion? (No)

Health Hazards (Acute and Chronic): No known health hazards.

Carcinogenicity:

NTP? (No) IARC Monographs? (No) OSHA Regulated? (No)

Signs and Symptoms of Exposure: None

Medical Conditions Generally Aggravated by Exposure: None

Emergency and First Aid Procedures:

For contact in eyes, flush with water. If irritation persists, seek medical attention.

SECTION VII — PRECAUTIONS FOR SAFE HANDLING AND USE

Steps To Be Taken in Case Material is Released or Spilled:

Spills: Material is not hazardous; clean up using broom or water.

Waste Disposal Method:

Any method within applicable federal, state, or local regulations.

Precautions To Be Taken In Handling and Storing: None

Other Precautions: None.

SECTION VIII — CONTROL MEASURES

Respiratory Protection:

None required unless exposures to total or respirable dusts exceed OSHA PELs for nuisance dust, then any dust respirator is acceptable.

Ventilation:

Use sufficient local exhaust to reduce the levels of total or respirable dusts to OSHA PELs for nuisance type dusts.

Protective Gloves

Optional

Eye Protection

Optional

Other Protective Clothing or Equipment

Optional

Work/Hygienic Practices

No special requirements.

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