



SPI-FS200 SDS

1. Identification

Product Identifier	Fumed Silica
Product name	SPI-FS200
Other means of identification	
Chemical name	Fumed silica
Synonym(s)	
Recommended use	Filler
Recommended restrictions	
Manufacturer/Importer/Supplier/Distributor information	
Company name	Silicones Plus, Inc.
Address	326 Exchange Drive Arlington, Texas 76011
Phone	817-469-7777
Website	http://siliconesplus.com/
E-mail	justin@siliconesplus.com or jmasby@siliconesplus.com
Emergency phone number	CHEMTREC within US & Canada 1-800-424-9300 CHEMTREC outside US & Canada +1 703-527-3887

2. Hazard(S) Identification

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Emergency Overview:

Potential Health Effects: This material is not considered hazardous.

Potential Physical / Chemical

Effects: May irritate eyes, skin and respiratory tract.

Inhalation: Prolonged inhalation may cause irritation of mucus membranes.

Skin: Prolonged or repeated exposure may cause irritation.

Eye: Dust may cause mechanical irritation.

Ingestion: Not expected to be harmful if swallowed.

Environment: Not regarded as dangerous for the environment.

OTHER INFORMATION No other information noted.

3. Composition/Information On Ingredients

Name	CAS No.	REACH Registration No.	% Weight	Classification (1272/2008/EC)
Fumed silica	7631-86-9	-	90 ~ 100	

4. First-Aid Measures

General:	For further information refer to section 8 "Exposure-controls/personal protection".
Inhalation:	Remove to fresh air. Get medical attention if irritation develops or persists.
Skin contact:	Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Launder contaminated clothing before reuse. Get medical attention if irritation develops or persists.
Eye contact:	Do not rub your eyes. Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation develops or persists.
Ingestion:	Rinse mouth with water immediately. Seek medical advice.
Notes to the physician:	
Hazards:	No specific recommendations.
Treatment:	Treat based on sound judgment and individual reactions of patient.

5. Fire-Fighting Measures

Extinguishing media:	Water fog, foam, dry chemical power, Carbon dioxide (CO ₂)
Unsuitable extinguishing media:	No data available
Unusual Fire & Explosion Hazards:	No data available
Special firefighting Procedures:	Move containers from the fire area if you can do so without risk. Cool containers with water until well after the fire is out. Use appropriate extinguishing measures suitable for the surrounding fire. Wear appropriate protective equipment. Use firefighting procedures suitable for surrounding area.
Protective Measures:	Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing. Use water to keep fire exposed containers cool and disperse vapors.

6. Accidental Release Measures

Personal precautions:	Use personal protective equipment. See Section 8 of the MSDS for Personal Protective Equipment.
Environmental precautions:	Prevent runoff and contact with waterways, drains or sewers.
Containment:	Prevent, by any means available, spillage from entering drains or water courses.
Spill Cleanup Methods:	Sweep up or vacuum up spillage and collect in a suitable container for disposal. Avoid dust formation.
Notification Procedures:	For waste disposal, see section 13 of the SDS.

7. Handling And Storage

Handling:	Wear appropriate personal protective equipment. Material can accumulate static charges which may cause an electrical spark (ignition source). Use proper bonding and/or grounding procedures. Avoid generation and spreading of dust. Wash thoroughly after handling. When using, do not eat, drink or smoke.
Storage:	Check regularly for leaks. Avoid direct sunlight. Keep in the original container. Please pay attention to incompatible materials and conditions to avoid. No open fire.

8. Exposure Controls/Personal Protection

Exposure limits U.S OSHA

Componets	Type	Value
Amorphous Silica (7631-86-9)	TWA	20.000 mppcf 0.8000 mg/m3

Engineering Controls: The use of local exhaust ventilation is recommended to control emissions near the source.

Protective Measures:

Respiratory Protection: Use a NIOSH/MSHA approved respirator to prevent repeated or prolonged skin contact.

Eye protection: Wear safety glasses with side shields (or goggles).

Skin and Body Protection: Wear suitable protective clothing and gloves.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practices.

9. Physical And Chemical Properties

Appearance: White Powder

Physical State: Powder

Color: White

Odor: Odorless

Odor Threshold: No data available.

pH: 4-9

Melting Point: 2930-3110°F (1610-1710°C)

Freezing point: No data available

Boiling Point: No data available.

Flash Point: No data available.

Evaporation Rate: No data available.

Flammability (solid, gas): No data available.

Flammability Limit - Upper (%)-: No data available.

Flammability Limit - Lower (%)-: No data available.

Vapor pressure: No data available.

Vapor density (air=1): No data available.

Specific Gravity 2.2 (approximately)

Relative density: 0.965

Solubility(ies)

Solubility in Water: 15-68 mg/l (20°C; pH 5.5-6.6)

Partition coefficient (n-octanol/water): No data available.

Autoignition Temperature: No data available.

Decomposition Temperature: No data available.

Viscosity: No data available.

Explosive properties: No data available.

Oxidizing properties: No data available

10. Stability And Reactivity

Stability: This material is stable under recommended storage and handling conditions.

Possibility of hazardous reactions: Will not occur.

Conditions to avoid: Avoid contact with incompatible materials and high temperatures.

Incompatible materials: Strong oxidizing agents

Hazardous decomposition products: No data available

11. Toxicological Information

Product:

Components	Test Results
Amorphous Silica (7631-86-9)	Acute Oral LD50 Mouse: >15,000 mg/kg Acute Oral LD50 Rat: >22,500 mg/kg

Inhalation:	May cause irritation to the respiratory system.
Ingestion:	No data available.
Skin corrosion/irritation:	No data available.
Serious eye damage/eye irritation:	May cause irritation.
Respiratory sensitizer/Skin sensitizer:	No data available.
Carcinogenicity:	This product is not considered to be a carcinogen by IARC, ACGIH, NTP or OSHA
Mutagenesis:	No data available.
Reproductive toxicity:	No data available.

12. Ecological Information

Ecotoxicity:	No data available.
Acute toxicity (Aquatic plants):	No data available
Persistence and degradability:	No data available
Bioaccumulative potential:	No data available
Mobility:	No data available

13. Disposal Considerations

Disposal methods:	This product, in its present state, when discarded or disposed of, is not a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste. Dispose of in accordance with all applicable regulations.
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14. Transport Information

This material is not subject to transport regulations.

Environmental hazards:	Not regulated.
Special precautions for user:	Local transport follows in accordance with Dangerous Goods Safety Management Law. Package and transport follow in accordance with Department of Transportation (DOT) and other regulatory agency requirements.
EMS Fire Schedule:	Not available
EMS Spillage Schedule:	Not available
Air Transport (IATA):	This product is not classified as dangerous for IATA Transport.
IMDG:	Not regulated as dangerous goods.

15. Regulatory Information

All components are on the U.S. TSCA Inventory List.

U.S. EPCRA (SARA Title III) Section 313- Toxic Chemical: Listed Substances
Not regulated

SARA Section 311/312- Hazard Categories

Immediate Hazard Yes
 Delayed Hazard No
 Fire Hazard No
 Pressure Hazard No
 Reactivity Hazard No

Inventory Status

Country(s) or region	Inventory Name	On Inventory (Yes/No)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s).

State Regulations

California- Proposition 65 This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

New Jersey- Right To Know (RTK) Substances List
 Amorphous Silica (CAS 7631-86-9)

Pennsylvania- Right To Know (RTK) Hazardous Substances
 Amorphous Silica (CAS 7631-86-9)

WHMIS Non-controlled

16. Other information, including date of preparation or last revision

HMIS/NFPA Ratings

Health Hazard	1- Exposure could cause irritation but only minor residual injury even if no treatment is given.
Flammability	0- Materials will not burn.
Instability/Physical Hazard	0- Normally stable even under fire exposure conditions and are not reactive with water.
Health Hazard	1- Exposure could cause irritation but only minor residual injury even if no treatment is given.
Flammability	0- Materials will not burn.
Instability/Physical Hazard	0- Normally stable even under fire exposure conditions and are not reactive with water.

Revision

Revision Information: 0
 Issue date: 9/15/2021
 SDS No.: 1

Disclaimer: The information given is based on data available for the material, the components of the material, and similar materials. The information is believed to be correct. It is given in good faith. This information should be used to make an independent determination of the methods to safeguard workers and the environment