



Safety Data Sheet

For Compliance with OSHA 29 CFR 1910.1200 and ANSI Z400.1-1998

Silicon Dioxide FCC

30-3325

Section 1: Identification

Product Name	Silicon Dioxide FCC
Commercial Name	Not available.
Product Use	free flowing agent, carrier agent, anticaking agent, drying agent.
Restrictions On Use	Not available.
Product Code	30-3325
Company	PCCA 9901 South Wilcrest Houston, TX 77099 Phone: 1-800-331-2498 Fax: 1-800-874-5760
	In case of emergency contact: CHEMTREC (24hr) 1-800-424-9300

Section 2: Hazard(s) Identification

OSHA Haz Com:	This product is not classified as dangerous according to Directive 67/548/EEC.
CFR 1910.1200	
Signal Word	WARNING
Hazard Statement(s)	Mild irritant (skin and eye). Slightly respiratory tract irritant.
Pictogram(s) or Symbol(s)	

Precautionary Statement(s):

Prevention	Not available.
Response	Inhalation: Inhalation can cause irritation to the respiratory system. Eye Contact: May cause mechanical irritation. Irritating, but will not permanently injure eyes tissue. Skin Contact: Avoid prolonged, repeated or excessive contact with the skin. It may cause irritation and dryness. Ingestion: Health Injuries are not known or expected under industrial or commercial handling. Carcinogenic Effects: Does not contain any substances listed by IARC (International Agency for Research on Cancer), NTP(National Toxicology Program),OSHA(Occupational Safety and Health Administration), ACGIH (American Conference for Governmental Industrial Hygienists). Target Organ Effects: Lungs. Medical Conditions Aggravated by Exposure: Asthma, Respiratory Disorder.
Storage	Not available.
Disposal	Not available.

Section 3: Composition/Information on Ingredients

Substance/Mixture	Mixture
Components	Silicon dioxide Anhydrous(SiO ₂), Sodium Sulfate(Na ₂ SO ₄)
% By Weight	Silicon dioxide Anhydrous(SiO ₂): 98% mins, Sodium Sulfate(Na ₂ SO ₄): 2% max
CAS#	112926-00-8, 7757-82
Molecular Weight	60.08 g/mole
Chemical Formula	SiO ₂
Synonym(s)	Not available.

Mixtures

Name	CAS#	% by Weight	TLV/PEL	LC50/LD50
Silicon dioxide anhydrous	112926-00-8	98 min	N/A	N/A
Sodium Sulfate	7757-82-6	2 max	N/A	N/A

Section 4: First-Aid Measures

Inhalation	Move patient to fresh air. If symptoms persist, seek medical advice.
Skin Contact	Wash skin with soap and water.
Eye Contact	Flush eyes with plenty of water. Eyelids shall be held away from the eyeball to ensure thorough rinsing. Seek medical advice if irritation develops.
Ingestion	Health injuries are not known or expected under industrial or commercial handling. In case of ingestion, do not induce vomiting. If victim is conscious, rinse mouth with water.
Symptoms/Effects	
Acute	Not available.
Delayed	Not available.

Immediate Medical Attention

Not available.

Section 5: Fire-Fighting Measures**Suitable Extinguishing Media**

All extinguishing media can be used

Unsuitable Extinguishing Media

Not applicable.

Products of Combustion

Not available.

Firefighters Special Equipment and Precautions

Use protective equipment appropriate for surrounding materials.

Section 6: Accidental Release Measures

Personal Precautions: In case of dust formation, use dust mask. See also section 8. Environmental Precautions: This product does not present any particular risk to the environment. Refer to applicable national, state and local regulations prior to washing in drain. Methods for Cleaning up: Collect as much as possible in a clean container, preferable reusable or disposable. Avoid dust generation. Do not allow that material goes into drains or waterways.

Section 7: Handling and Storage

Handling: Wash thoroughly after using this product. Do not eat, drink, smoke or apply cosmetics while handling this product. Avoid breathing dust or particles generated by this product. Use in a well-ventilated location. Remove contaminated clothing after being in contact with the product. Employees in direct contact with this material shall be trained about its safe handling. Open containers slowly on a stable surface. Containers must be properly labeled. Empty containers may contain residual amounts of this product; therefore, they shall be handled with care. Storage Requirements: Store containers in a dry location. Store away from incompatible materials. Keep container tightly closed when it is not in use. Inspect all incoming containers before storage to ensure they are properly labeled and not damaged.

Section 8: Exposure Controls/Personal Protection

Exposure Limits	TLVs ACGIH: 10 mg/m ³ UK EH 40/95: 3 mg/m ³ Respirable dust, 8 hours OES 6 mg/m ³ Total dust, 8 hours OES PELs OSHA: 80 mg/m ³ (Total dust)%SiO ₂ or 20 mppcf NIOSH REL: TWA: 6 mg/m ³ DFG MAK: 4 mg/m ³ QES: TWA: 5-10 mg/m ³ USA OSHA CFR 29 PART 1910.1000: 6 mg/m ³
Engineering Controls	Uses with adequate ventilation to ensure that the exposure levels are maintained below the limits provided in this section. Prudent practice is to guarantee that eye wash station/safety showers are near locations where this product is used or stored.



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Personal Protection

Respiratory Protection: Use mask in case of dust formation. If respiratory protection is needed, such as during emergency response to uncontrolled releases, use only protection authorized in 29 CFR 1910.134, applicable U.S. State regulations or the appropriate standard of Canada and its provinces. Advice on respiratory protective equipment is given in British standards BS 2091 and BS 4275, and the HSE publication HS(g) 53. In the USA, ASTM E1156-88 (re-approved in 1993) specifies standards practice for handling amorphous silica. Hand Protection: Wear rubber gloves for routine industrial use. Eye Protection: Use splash goggles or safety glasses with side shields. Skin Protection: Use body protection appropriate for task. Special protection equipment is not required. Hygiene Measures: Handle in accordance with good industrial hygiene and safety practice. ENVIRONMENTAL EXPOSURE CONTROLS: This product does not present any particular risk to the environment. Refer to applicable national, state and local regulations prior to washing in drain.

Section 9: Physical and Chemical Properties

Appearance	White powder		
Odor	without odor		
Odor Threshold	Not available.		
Melting Point	Not available.	pH	6.0 - 9.0
Freezing Point	Not available.	Vapor Pressure	Not applicable.
Boiling Point/Range	Not available.	Vapor Density	Not available.
Decomposition temperature	Not available.	Viscosity	Not available.
Partition Coefficient: n-octanol/water	Not available.	Evaporation Rate	Not available.
Flash Point	Not applicable.	Autoignition temperature	Not available.
Flammability	Not available.	Flammability or Explosive Limits:	
		Lower	Not available.
		Upper	Not available.
Solubility(ies)	Insoluble in most organic solvents		
Other	Volatile Matter: < 7% moisture (2 hours @ 105 C) Impurities: Contains less than 2.0% NA2SO4		

Section 10: Stability and Reactivity

Reactivity	Not available.
Chemical Stability	Stable product
Hazardous Polymerization	Not available.
Conditions to Avoid	Not available.
Incompatible Materials	Hydrofluoric Acid
Hazardous Decomposition Products	Not available.

Section 11: Toxicological Information

RTECS	Not available
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Acute Toxicity

Acute Toxicity: LD50 oral(rata)>10000 mg/Kg. Eye Irritation: Irritant. Skin Irritation: Dry skin and mucous membranes. Inhalation: Powder can irritate the respiratory system. Ingestion: Can cause discomfort.

Skin Corrosion/Irritation

Dry skin and mucous membranes.

Serious Eye Damage/Irritation

Irritant.

Respiratory or Skin Sensitization

Powder can irritate the respiratory system. Can cause discomfort.

Germ Cell Mutagenicity

This product is not reported to produce mutagenic, embryotoxic, and teratogenic effects in humans.

Carcinogenicity

Not available.

Reproductive Toxicity

This product is not reported to cause reproductive effects in humans.

Routes of Entry

Inhalation, skin contact, eye contact

Symptoms Related to Exposure

Not available.



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Potential Health Effects

Not available.

Target Organ(s) Not available.

Section 12: Ecological Information

Ecotoxicity

Synthetic amorphous silica is virtually and has known adverse effect on the environment. Daphnia Magna EC0 > 1000PPM (24 - hours acute immobilization test) Rainbow Trout EC0 > 10000PPM (4 - days static study) Freshwater Fish EC0 > 10000PPM (96 - hours static acute toxicity study) LD 50 (CARP) = 10000 mg/l (72 hrs)

Persistence and Degradability

Undergradable

Bioaccumulative Potential

Inert material

Mobility in Soil

Not expected to migrate

Other Adverse Effects

Not available.

Section 13: Disposal Considerations

Waste Disposal

Waste disposal in accordance with regulations (most probably controlled landfill).

Disposal of Container

According to local regulations.

Other Considerations

Not available.

Section 14: Transport Information

DOT Classification

This product is not classified as dangerous for transport in accordance with the following criteria: UN Number:

None

IMO/IMDG: Not Dangerous Goods RID/ADR: Not Dangerous Goods ICAO/IATA:

Not

Dangerous Goods Transport is not limited, and no Risk Phrase or Safety Phrase apply

Section 15: Regulatory Information

Regulations

SARA 313: Synthetic Amorphous Silica is not listed on the SARA 313 Labeling According to EEC Directives: Synthetic Amorphous Silica is not classified as dangerous according to the regulation 67/548/EEC. Globally Harmonized System of Classification and Labelling of Chemicals(GHS): Not a dangerous substance or mixture according to the Globally Harmonised System(GHS). E Number: 551 FAO/WHO(JECFA): Silicon Dioxide FOOD CHEMICAL CODEX: Silicon Dioxide HARMONIZED TARIFF CODE: 2811.22.00 INCI(CTFA): Hydrated Silica NATIONAL CHEMICAL INVENTORY LISTING: AUSTRALIA AICS: Synthetic Amorphous Silica 112926-00-8. Sulfuric Acid Disodium Salt 7757-82-6. CANADA DSL/NDSL: Silica Gel, pptd., crystalline free 112926-00-8. Sulfuric Acid Disodium Salt 7757-82-6. CHINA IECSC: Synthetic Amorphous Silica 112926-00-8. Sulfuric Acid Disodium Salt 7757-82-6. EUROPA EINECS: Silicon Dioxide 231-545-4. Sodium Sulphate 7757-82-6. JAPAN ENCS: Silicon Dioxide 1 —548. Sodium Sulfate 1-501. KOREA KECL: Synthetic Amorphous Silica KE-32733. Sodium Sulfate KE-31609 PHILLIPINES PICCS: Synthetic Amorphous Silica 112926-00-8. Sulfuric Acid Disodium Salt 7757-82-6. UNITED STATES TSCA: Silica 7631-86-9. Sulfuric Acid Disodium Salt 7757-82-6.

Other

Not available

Section 16: Other Information



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This information only concerns the above - mentioned product and does not need to be valid if used with other product(s) or in any process. The information is to our best present knowledge correct and complete and is given in good faith but without warranty. It remains the user's own responsibility to make sure that the information is appropriate and complete for his special use of this product.