

TELEPHONE
+81-568-51-2516

FUJI SILYSIA CHEMICAL LTD.

2-1846 KOZOJI-CHO, KASUGAI, AICHI, 487-0013 JAPAN

FAX NO.
+81-568-51-8557

MATERIAL SAFETY DATA SHEET

USA Address: Fuji Silysia Chemical, Ltd.
1215 Sugg Parkway
Greenville, NC 27834
Tel: 252-413-0003/Fax: 252-413-0490
Email: Sales@fujisilysia.com

Manufacture: Fuji Silysia Chemical, LTD.
Manufacturing Address: 16303-3 Aza Kihara, Oaza-Hichiya, Hyuga-shi,
Miyazaki-ken, JAPAN 883-0062
Tel: (81)(982)53-7051/ Fax:(81)(982)53-7050

SYLOPHOBIC

Effective Date: January 1, 2013

1. Product Identification

Synonyms: Synthetic Amorphous Silica, Mixing treated with Polyalkylsiloxane

2. Composition/Information on Ingredients

Ingredient	CAS No	Percent
Silica, Amorphous: SiO ₂	7631-86-9	min. 99.0%
Polyalkylsiloxane: [(C _m H _{2m+1}) ₂ SiO] _n	70131-67-8	max. 15%

3. Hazards Identification

GHS classification

Physicochemical hazards

Explosives	out of classification
Flammable/flammable gas	out of classification
Flammable/flammable aerosol	out of classification
Oxidizing gas	out of classification
Compressed gas	out of classification
Flammable liquid	out of classification
Flammable solid	out of category
Self-reactive substance	out of classification

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Pyrophoric liquid	out of classification
Pyrophoric solid	out of category
Self-heating substance	out of category
Substance which, in contact with water, emits flammable gases	out of category
Oxidizing liquid	out of classification
Oxidizing solid	can not be classified
Organic peroxide	out of classification
Corrosive to metal substance	can not be classified
Health hazards	
Acute toxicity (ingestion)	out of category
Acute toxicity (skin)	out of category
Acute toxicity (inhalation/gas)	out of classification
Acute toxicity (inhalation/vapor)	out of classification
Acute toxicity (inhalation/dust)	can not be classified
Acute toxicity (inhalation/mist)	can not be classified
Skin corrosive/irritation	out of category
Serious eye damage/eye irritation	category 2B
Respiratory sensitizer	can not be classified
Skin sensitizer	can not be classified
Generative cell mutagen	out of category
Carcinogen	out of category
Reproductive toxicity	can not be classified
Specific target organ systemic toxicity (single exposure)	can not be classified
Specific target organ systemic toxicity (repetition exposure)	can not be classified
Aspiration hazards	can not be classified
Environmental hazards	
Hazardous to the aquatic environment acute toxicity	can not be classified
Hazardous to the aquatic environment chronic toxicity	can not be classified

Emergency Overview

AFFECTS RESPIRATORY SYSTEM. CAUSES IRRITATION TO EYES.

Potential Health Effects

Inhalation:

May cause dryness and irritation to mucous membranes, nose, and throat. Symptoms may include coughing, sore throat, dyspnea, wheezing, and non-specific chest illnesses.

NFPA Rating (Scale 0 – 4)



Health = 1
Fire = 1
Reactivity =

Skin Contact:

May cause irritation with dryness and abrasion.

Eye Contact:

Causes irritation, redness and pain.

HMIS Rating (Scale 0 – 4)



Health = 1
Fire = 1
Reactivity = 0

4. First Aid Measures

Inhalation: Remove to fresh air. Get medical attention for any breathing difficulty.

Ingestion: Give several glasses of water to drink to dilute. If large amounts were swallowed, get medical advice.

Skin Contact: Wash exposed area with soap and water. Get medical advice if irritation develops.

Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.

5. Fire Fighting Measures

Fire: Surface treatment may be vaporized and flamed upon heated strongly.

Fire Extinguishing Media: Use any means suitable for extinguishing surrounding fire.

6. Accidental Release Measures

If its use requires manual handling, wear long sleeves and close-weave cotton glove with tight-fitting wristlets.

Let any dust settle, then vacuum or sweep up material and place into a suitable disposal container. Avoid generating further dusty conditions by using a vacuum or wet sweeping. Wear gloves, safety glasses or goggles and dust mask.

7. Handling and Storage (Technical measures)

Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage. Keep dust away from ignition source. Isolate from incompatible substances. Containers of this material may be hazardous when empty since they retain product residues (dust, solids); observe all warnings and precautions listed for the product. Take precaution to avoid accumulation of static charge. To maintain the quality, keep away from high humidity and avoid contact with organic gas.

8. Exposure Controls/Personal Protection

Airborne Exposure Limits:

Amorphous Silica:

- ACGIH (1996) Threshold Limit Value (TLV) - (TWA) 10mg/m³ (Total dust)
- OSHA Silica gel – PEL – 80mg/m³ /%SiO₂
- Japan Society for Occupational Health (2001)

Table II Class3, Inhalation: 2mg/m³, Total Dust 8mg/m³

Ventilation System:

A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, Industrial Ventilation, A Manual of Recommended Practices, most recent edition for details.

Personal Respirators:

If its use requires manual handling, wear long sleeves and close-weave cotton

gloves with tight-fitting wristlets. If dusty conditions prevail, use of an approved NIOSH/MSHA dust respirator is recommended. Wear goggles if dust causes eye discomfort

Skin Protection: Wear protective gloves and clean body-covering clothing.

Eye Protection: Use chemical safety goggles and/or full face shield where dusting or splashing of solutions is possible. Maintain eye wash fountain and quick-drench facilities in work area.

9. Physical and Chemical Properties

Appearance: White powder

Odor: Odorless.

Solubility: Fluoride acid, strong alkali

Specific Gravity as SiO₂: 2.20

pH : max. 10.0

Boiling Point as SiO₂: 2230 °C

Melting Point as SiO₂: 1610 °C

10. Stability and Reactivity

Stability: Stable under ordinary conditions of use and storage.

Hazardous Decomposition Products: No information found.

Hazardous Polymerization: Will not occur.

Incompatibilities: Hydrogen fluoride, fluorine

Conditions to Avoid: Heat, flame, ignition sources, dusting, moisture and incompatibles.

11. Toxicological Information

Including symptom and epidemiological information on humans-There is no relative information. Inactive dust may become a factor to cause any disorders to the respiratory organs in case of inhalation of much dust or working in the affected industry in a long term. Our products should be handled with wearing an appropriate respiratory protection.

12. Ecological Information

Environmental Fate: No information found.

Environmental Toxicity: No information found.

13. Disposal Considerations

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

14. Transport Information

Not regulated.

15. Regulatory Information

U.S. Federal Regulations	TSCA 8 (b) inventory: SILICA GEL
WHMIS (Canada)	Not controlled under WHMIS (Canada)
	CEPA DSL: SILICA GEL
International regulations	
EINECS	SILICA GEL 231-545-4
DSCL (EEC)	R36/37/38-Irritating to eyes, respiratory system and skin.
International Lists	Australia (NICNAS): SILICA GEL
	Japan (MITI): SILICA GEL
	Korea (TCCL): SILICA GEL
	Philippines (RA6969): SILICA GEL
	China: No products were found

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16. Other Information

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