

FUMED SILICA A-200

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Fumed Silica A-200

Manufacturer: SILYCOM S.A DE C.V

Miguel Hidalgo S/N INT 9 San Nicolas Tolentino, Toluca, Méx, 50230

For More Information Call:

+86-533-852-9698

In Case Emergency Call:

722 481 3280

2. COMPOSITION/INFORMATION ON INGREDIENTS

Product Name	CAS Number	%(w/w)
Fumed Silica	112945-52-5	>99.8

3. HAZARDS IDENTIFICATION

Indication of danger: Not a hazardous substance or preparation according to the Global Harmonized System (GHS).

EMERGENCY OVERVIEW - CAUTION:

White powder. Odorless. Dust may be irritating to eyes and respiratory tract. Repeated exposure may cause skin dryness or cracking. Take precautionary measures against static discharges. All metal parts of the mixing and processing equipment must be earthed/grounded. Ensure all equipment is electrically earthed/grounded before beginning transfer operations.

Route of Exposure: Inhalation, Skin contact, Eye contact.

Potential Health Effects:

Eyes: May cause mechanical irritation.

Skin: Repeated exposure may cause skin dryness or cracking

Inhalation: Dust may be irritating to respiratory tract. Provide appropriate exhaust ventilation at



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machinery and at places where dust can be generated.

Ingestion: According to experience not expected.

Carcinogenic Effects: Does not contain any substances greater than 0.1% listed by IARC

Target Organ Effects: Lungs

Medical Conditions Aggravated by Exposure: Asthma, Respiratory disorder

Potential Environmental Effects: No special environmental precautions required.

4. FIRST AID MEASURES

Eyes: Flush eyes immediately with large amounts of water for 15 minutes. Seek medical attention if redness, swelling, itching, burning or visual disturbances occur.

Skin: Wash thoroughly with soap and water. Seek medical attention if redness, swelling, itching, or burning occurs

Inhalation: If cough, shortness of breath or other breathing problems occur, move to fresh air. Seek medical attention if symptoms persist. If necessary, restore normal breathing through standard first aid measures.

Ingestion: Do not induce vomiting. If conscious, give several glasses of water. Never give anything by mouth to an unconscious person.

Advice To Physician: Treat symptomatically.

5. FIRE FIGHTING MEASURES

Flash Point: Not applicable

Explosion Limits in Air - Upper (g/m³): Not applicable

Explosion Limits in Air - Lower (g/m³): Not applicable

OSHA Flammability Classification: Not applicable

Autoignition Temperature: Not applicable

Method: Not applicable

Extinguishing Media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.



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Special Protective Equipment for Firefighters: Wear suitable protective equipment. In the event of fire, wear self-contained breathing apparatus



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Hazardous Decomposition and/or Combustion Products: None.

Risk of Dust Explosion: This material is an inorganic dust and will not create nor support conditions that would result in a dust explosion or fire.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:

Avoid dust formation. Ensure adequate ventilation. Use personal protective equipment.

Methods for Cleaning Up: Clean up promptly by vacuum. Use a suitable vacuum cleaner. Do not create a dust cloud by using a brush or compressed air. Pick up and transfer to properly labeled.

Environmental Precautions:

No special environmental precautions required. Local authorities should be advised if significant spillages cannot be contained.

7. HANDLING AND STORAGE

Handling: Avoid contact with skin and eyes. Avoid dust formation. Do not breathe dust. Provide appropriate exhaust ventilation at machinery and at places where dust can be generated. Do not create a dust cloud by using a brush or compressed air. Take precautionary measures against static discharge. All metal parts of the mixing and processing equipment must be earthed/grounded. Ensure all equipment is electrically earthed/grounded before beginning transfer operations.

Storage: Keep containers tightly closed in a dry, cool and well-ventilated place. Do not store together with volatile chemicals as they may be adsorbed onto product. Keep at ambient temperatures..

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Ensure adequate ventilation to maintain exposures below occupational limits. Provide appropriate exhaust ventilation at machinery and at places where dust can be generated.

Respiratory Protection: Approved respirator may be necessary if local exhaust ventilation is not adequate.



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Eye Protection: Wear eye/face protection.

Skin Protection: Wear suitable protective clothing.

Hand Protection: Repeated exposure may cause skin dryness or cracking. Use appropriate. Protective barrier before handling

Other Protection: Handle in accordance with good industrial hygiene and safety practice. Emergency eye wash and safety shower should be located nearby.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: White Powder

pH: 3.6 - 4.5

Boiling Point/Range: 2230°C

Water Solubility: Insoluble

Specific Gravity: 2.2 g/cm³ @ 20°C

Evaporation Rate: Not determined

Odor: None

Vapor Pressure: Not determined

Melting Point/Range: 1700°C

Bulk Density: 30-150 kg/m³

% Volatile (by Volume): Not applicable

Viscosity: Not determined

Partition Coefficient (n-octanol/water): Not applicable

10. STABILITY AND REACTIVITY

Stability: Stable

Hazardous Polymerization: Hazardous polymerization does not occur.

Mechanical Sensitivity (shock): Not sensitive to mechanical impact.

Conditions to Avoid: Avoid dust formation.

Hazardous Decomposition and/or Combustion Products: None.

Static Discharge Effects: Take precautionary measures against static discharges. Avoid dust formation. All metal parts of the mixing and processing equipment must be earthed/grounded. Ensure all equipment is electrically earthed/grounded before beginning transfer operations. This material is an inorganic dust and will not create nor support conditions that would result in a dust explosion or fire.

11. TOXICOLOGICAL INFORMATION

Information given is based on data obtained from this substance or from similar substances.

ACUTE TOXICITY

Oral LD50: LD50/oral/rat = > 5000 mg/kg.

Inhalation LC50: Due to the product's physical characteristics, no suitable testing procedure is



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Dermal LD50: LD50/dermal/rabbit = > 2000 mg/kg.

Eye Irritation: Draize score 1.0/110 @ 24 hr.

Skin Irritation: 0/8 @ 24 hr.

SUBCHRONIC TOXICITY

No significant treatment-related adverse effects were observed in rats administered silica at doses of up to 8% silica in their diet for a duration of 2 weeks to 6 months

12. ECOLOGICAL INFORMATION

Aquatic Toxicity: Fish (Brachydanio rerio) LC50 (96 hours): > 10,000 mg/l; (Method: OECD 203)

ENVIRONMENTAL FATE

Mobility: Not expected to migrate.

Bioaccumulation: Not expected due to physicochemical properties of the substance.

Persistence / Degradability: The methods for determining biodegradability are not applicable to inorganic substances

Distribution to Environmental

Compartments: Not determined.

13. DISPOSAL CONSIDERATIONS

Disclaimer: Information in this section pertains to the product as shipped in its intended composition as described in Section 3 of this MSDS

Packaging Disposal: Dispose of in accordance with local regulations.

14. TRANSPORT INFORMATION

According to IMDG/IMO, it's not dangerous cargo.

15. REGULATORY INFORMATION

Applicable Laws:

Provisions of the Regulations for the Safe Handling of Chemicals in the Workplace, particularly those relating to the safe use, production, storage and transportation of dangerous chemicals.



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The Regulations for Safe Management of Dangerous Chemicals (promulgated by the PRC Government on 1-2-2002.)



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National Standard: Classification and Labelling of Dangerous Chemical Substances Commonly Used (GB 13690).

16. OTHER INFORMATION

Prepared By: Shandong Dongyue Silicone Material Co.,Ltd.

Supplementary Information:

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information. Users should review these recommendations in the specific context of the intended use and determine the suitability of the information for their particular purposes.



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