



Product Content: Silica Gel

2. Composition/Information on Ingredients

Component: Amorphous Silicon Dioxide, chemically prepared

CAS #:7631-86-9

Additional Information: See section 8 for exposure limits.

3. Hazards Identification

NFPA rating (scale 0-4)

Health=1

Fire=0

Reactivity=0

HIMS-rating (scale 0-4)

Health 1

Fire 0

Reactivity 0

4. First Aid Measures

Emergency First Aid:

GET MEDICAL ASSISTANCE IF ANY ADVERSE EFFECTS SHOULD DEVELOP.

Skin: Immediately rinse with water. Generally the product does not irritate the skin.

Eyes: Immediately rinse under running water for at least 15 minutes, lifting upper and

lower eyelids occasionally.

Inhalation: Supply fresh air.

Ingestion: If large amounts are swallowed, wash mouth out with water.

5. Fire Fighting Measures

Suitable extinguishing agents:

CO₂, extinguishing powder or water spray. Figh: large fire with alcohol resistant foam.

Firefighting Procedures: Use fire fighting me assures that suit the environment.

Protective equipment: Wear protective equipment.

Fire Explosion Hazards: Not an explosion hazard

Flammability: Not flammable

Flash Point (°F):Not applicable

Auto Igniting: Not self igniting

Additional Information:

Dispose of fire debris and contaminated water in accordance with official regulations.

6. Accidental Release Measures

Person-related safety precautions: Avoid formation of dust. Wear protective clothing.

Measures for cleaning/collecting: Vacuuming or wet sweeping may be used to avoid dust dispersal.

Measures for environmental protection: Containerize for reclamation or disposal.

Additional information: See section 7 for safe handling

See section 8 for information on personal protection equipment.

See section 13 for disposal information.

7. Handling and Storage

Handing:

Information for safe handling: Preven: formation of dust.

Information about protection against explosions and fires;

The product is not flammable. When pouring into a container of flammable liquid;

Storage:

Information about storage conditions: Keep container tightly sealed/
Information about storage in one common storage facility: None required.
Class according to regulation on flammable liquids: None Applicable.

8. Exposure Controls/Personal Protection

Component: Amorphous Pottery, Chemically prepared CAS#:7631-86-9

Exposure Limits: NIOSH short term value-IDLH: 3000mg/m³

OSHA TWA-PEL: 80/ (%SiO₂) mg/m³

NIOSH TWA-REL: 6mg.m³

ACGIH TWA-TLV: 10mg/m³ Total Dust

5mg/m³ Respirable fraction

Personal Protective Equipment:

General protection and hygiene measures:

The usual precautionary measures for handling chemical should be followed.

Breathing equipment:

If exposure limit is exceeded, a suitable expiratory protective device is recommended.

Eye protection:

Safety glasses.

Protection of hands:

The glove material has to be impermeable to the product/the substance/the preparation.

Body protection:

Protective work clothing;

9. Physical and Chemical Properties

Physical State: Yi Xuan-Solid,(50mm Average particle size)powder

Solid Sample Cartridge 2g, 5g-Solid, 40-63um powder

Color: White to off-white

Odor: None

Density: Not determined

PH at 20 °C (68°F):6.0-8.0(5% slurry)

Bulk Density (lb/ft³):25-35

Melting Point(°C):Undetermined

Solubility in Water (%): Insoluble

10. Stability and Reactivity

Thermal decomposition/conditions to be avoided:

No decomposition if used according to specifications.

Dangerous Reactions: Reacts with Hydrogen Fluoride.

Dangerous products of decomposition: No dangerous decomposition products known.

11. Toxicological Information

Component: Amorphous Silicon Dioxide, chemically prepared
CAS#:7631-86-9

Acute toxicity: Oral-LD50:10000mg/kg (rat)

Dermal-LD50 :> 5000 mg/kg(rabbit)OECD402

Inhalative-LC50 :>0.139 mg/l/14h(rat)

Primary irritant effect:

On the skin: May cause irritation with dyes and abrasion

In the eye: May cause abrasion, redness and pain.

Sensitization: No sensitizing effects known.

Sub acute to chronic toxicity:

Amorphous silicon dioxide, chemically prepared;

No negative effects were determined during tests for chronic oral toxicity.

Carcinogenicity, tertogenicity and fertility. No inevasible changes and no symptoms of psychosis were determined during tests for chronic inchoative toxicity.

Additional toxicological information:

When used and handled according to specification, the product does not have any harmful effects based on the experience and information provided to us by the manufacture.

12. Ecological Information

Component: Amorphous Silicon Dioxide, chemically prepared CAS#:7631-86-9

Aquatic toxicity: Fish-LC50 (96h) :> 10000mg/l (Brachydanio rero) OECD 202

Water Flea-EC50 (24h) :> 1000mg/l(Daphnia magna)OECD 202

General Note: Generally not hazardous for water.

13. Disposal Considerations

EPA Waste Numbers: None

Dispose of in accordance with all federal, state, provincial and local regulations.

14. Transport Information

Not regulated as hazardous goods by DOT, ADR, IMO or IATA

15. Regulatory Information

None of the ingredients are listed under the following:

SARA section 313 and 355	TLV-ACGIH
Proposition 65	NIOSH-Ca
EPA	OSHA-Ca
IARC	Canadian NDSL
NTP	

All ingredients are listed with the following:

TSCA
MAK
Canadian DSL
Japan ENCS
Korea ECL
Philippines: PICCS
Australia: AICS
European ELNECS

16. Other Information

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