

1. Identification Of Substance

Product Details

Product Name: SILICON DIOXIDE
Product Model: SDT-105,SDT-115, SDT-125, SDT-135, SDT-145, SDT-155, SDT-165, SDT-175, SDT-195
Product Use: Use for the silicone rubber of production
Manufacturer/Supplier By: DALIAN FUCHANG CHEMICAL CO.,LTD
570 Changjiang Road, Dalian, Liaoning, China
Tel & Emergency Tel: +86-411-83607405
Fax: +86-411-83607405-606

2. Composition/Data On Components

| COMPONENT | CAS # | % by wt. |
|--------------------------------------|------------------------|----------|
| SiO ₂ . nH ₂ O | 10279-57-9 / 7361-86-9 | 100% |

3. Hazards Identification

Hazard description:

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008

Not a hazardous substance or mixture according to EC-directives 67/548/EEC or 1999/45/EC.

Potential Acute Health Effects

Eyes: Possibly irritating.
Skin: May cause drying of the skin.
Inhalation: May cause irritations of the respiratory tract.
Ingestion: No hazard expected in normal use.

4. First aid Measures

General information: No special measures required.
Eye Contact: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes or until all material has been removed. Obtain medical attention.
Skin Contact: Wash off with soap and plenty of water.
Inhalation: In case product dust is released: Possible discomfort: cough, sneezing. Move victims into fresh air.
Ingestion: If accidentally swallowed, rinse mouth thoroughly with water and afterwards,

drink plenty of water. In case of discomfort, obtain medical attention.

5. Fire Fighting Measures

| | |
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| Suitable Extinguishing Media: | Use fire extinguishing methods suitable to surrounding conditions. |
| Special hazards arising from the substance or mixture: | Non-combustible. |
| Protective equipment: | No special measures required. |

6. Accidental Release Measures

| | |
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| Personal precautions, protective equipment and emergency procedures: | Avoid formation of dust. Do not inhale dust. Ensure adequate ventilation |
| Environmental precautions: | Do not allow to enter sewers/ surface or ground water. |
| Methods and material for containment and cleaning up: | Pick up mechanically. Avoid generation of dusts. Clean up affected area. |
| Reference to other sections: | No dangerous substances are released. See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information. |

7. Handling And Storage

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| Handling | Keep container tightly sealed. |
| Information for safe handling: | Store in cool, dry place in tightly closed containers. Ensure good ventilation at the workplace. |
| Information about protection against explosions and fires: | Keep material out of reach of children. Avoid inhalation of dust and contact with eyes. Use with adequate ventilation. Keep away from excessive heat, sparks, and open flames. |
| Storage | |
| Requirements to be met by storerooms and receptacles: | No special requirements. |
| Information about storage in one common storage facility: | Keep out of the reach of children. Keep container closed and store at room temperature. Keep away from strong oxidizers. |

8. Exposure Controls And Personal Protection

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| Engineering Controls: | Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit. |
| Personal Protection: | Safety glasses. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. |
| Personal Protection in Case of a Large Spill: | Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product. |

9. Physical And Chemical Properties

General Information

| | |
|---|----------------|
| Form: | Powder |
| Color: | White |
| Odor: | Odorless |
| Boiling Point: | Not determined |
| Melting Point: | Not determined |
| Vapor Pressure: | Not determined |
| Vapor Density: | Not determined |
| Solubility In Water: | Not determined |
| Specific Gravity (H₂O = 1): | Not determined |
| pH: | Not determined |
| Freezing Point: | Not determined |
| Molecular Weight: | Mixture |

10. Stability And Reactivity

| | |
|--|---|
| Chemical Stability: | Stable under normal temperatures and pressures. |
| Hazardous Decomposition: | None known. |
| Hazardous Polymerization: | No further relevant information available. |
| Incompatibility (Materials to Avoid): | No further relevant information available. |

11. Toxicological Information

Acute toxicity:

LD/LC50 values relevant for classification: Oral LD50 >10000 mg/kg (rat)
Dermal LD50 >5000 mg/kg (rabbit)

Developmental Toxicity: None known

Other Toxic Effects on Humans: Slightly hazardous in case of skin contact (irritant), of ingestion, of inhalation.

Special Remarks on Toxicity to Animals: Not available.

Acute Potential Health Effects:

Skin: May cause mild skin irritation. Low hazard for usual industrial handling.

Eyes: Dust may cause mechanical irritation.

Inhalation: Excessive inhalation may cause minor respiratory irritation.

Ingestion: A low hazard for usual industrial handling
Chronic Potential Health Effects: no information.

12. Ecological Information

General notes: Do not allow material to be released to the environment without proper governmental permits.

13. Disposal Considerations

Waste Disposal: Waste must be disposed of in accordance with federal, state and local environmental control regulations.

14. Transport Information

Not a hazardous material for transportation.

DOT regulations:

Hazard class: None

Land transport ADR/RID (cross-border)

ADR/RID class: None

Maritime transport IMDG:

IMDG Class: None

Transport/Additional information: There are no unreasonable risks (health, safety, or property), that this product would pose when transported in commerce.



Material Safety Data Sheet

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15. Regulations

Product related hazard

information:

Observe the general safety regulations when handling chemicals.

EU Notification:

All components of this product are listed in the EU Environmental Protection Agency Toxic Substances Control Act Chemical substance Inventory.

EU Hazard Label (1999/45/EC):

This product does not require a label under 1999/45/EC and as amended.

Information about limitation of

use:

For use only by technically qualified individuals.

16. Other Information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Department: Shanghai Research Institute of Chemical Industry Testing Center

Shanghai Classification and Testing Center of Dangerous Chemical for State Work Safety

Tel(Fax): 8621-52815377/52800971/52807275/52811034

Revision: 1

The MSDS is prepared in accordance with ISO 11014-1: 1994.

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