

MATERIAL SAFETY DATA SHEET

Version1.8

Date of last alteration:04/11/2025

1. Chemical Product and Company Identification

Product Name : Silane Repellent Agent Powder
Other name : Hydrophobic agent, silane powder, silane repellent powder, silicone repellent powder, silane hydrophobic power, silicone hydrophobic agent
Recommended Uses : Tile grouts mortar, Plasters mortar, Anti-cracking mortar, Waterproof mortar, Sealing slurries, Decorative render and plaster for wall
Manufacturer : Shandong Charing Industry Co.,Ltd
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2. Hazards Identification

Hazards Identification : This substance is considered to be non-hazardous for transport.
Emergency Overview : Irritating to eyes, respiratory systems and skin.

3. Composition, Information on Ingredients

Main ingredient	Composition	CAS NO.
Silicone Inorganic filler	50%-60%	2943-75-1
Polyvinyl alcohol	8-12%	9002-89-5
Anti-blocking agent	30%-40%	7631-86-9

4. First Aid Measures

4.1 Description of first aid measures

General information:

Under ordinary workplace conditions : No special measures required.

After inhalation:

Provide fresh air.

After contact with the skin:

Wash with plenty of water or water and soap.

After contact with the eyes:

Rinse immediately with plenty of water. Seek medical advice in case of continuous irritation.

5. Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media:

Water spray, water mist, extinguishing powder, foam, carbon dioxide.

Extinguishing media which must not be used for safety reasons : water jet.

5.2 Advice for firefighters

Special protective equipment for fire fighting:

Use respiratory protection independent of recirculated air.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid dust formation. Do not breathe dust.

6.2 Environmental precautions

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Cover any spilled material in accordance with regulations to prevent dispersal by wind.

6.3 Methods and material for containment and cleaning up

Take up mechanically and dispose of according to local/state/federal regulations.

Further information:

Eliminate all sources of ignition. Observe notes under 7.

6.4 Reference to other sections

Relevant information in other sections have to be considered. This applies in particular for information given on personal protective equipment (8.) and on disposal (13.).

7. Handling and storage

Precautions for safe handling

Direct sunshine and raining, moisture must be avoided.

Storage:

Store in a cool, well-ventilated area. Keep away from ignition sources, heat and flame. Store in a tightly closed container. Incompatibilities: strong oxidizing agents and foods.

8. Exposure controls/personal protection

8.1 Control parameters

8.2 Exposure controls

8.2.1 Exposure in the work place limited and controlled

General protection and hygiene measures:

Do not breathe dust. Do not eat, drink or smoke when handling.

Personal protection equipment:

Respiratory protection

In case of dust formation: fine dust mask without protection rating.

Hand protection

Recommendation: rubber gloves.

Eye protection

Recommendation in case of dust formation: tight fitting protective goggles.

8.2.2 Exposure to the environment limited and controlled

Only introduce into water purification plants in diluted state. Do not introduce large amounts into purification plants.

8.3 Further information for system design and engineering measures

Observe regulations for protection against explosion.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

General information:

Appearance	: White color powder
Odor	: Weak odor
Flashing Point	: >100°C (closed cup)
pH Value(10% in water)	: 6~8
Stable	: Stable
Materials to Avoid	: Strong oxidizing agents
Hazardous Polymerization	: Will not occur
Hazardous decomposition products	: Carbon monoxide, Carbon dioxide

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10. Stability and reactivity

10.1 Chemical stability

Stable under normal temperatures and pressures

10.2 Conditions to avoid

Incompatible materials, dust generation, excess heat, strong oxidants.

10.3 Hazardous decomposition products

Carbon Monoxide, irritating and toxic fumes and gases, carbon dioxide

11. Toxicological information

11.1 Epidemiology : No information available

11.2 Teratogenicity : No information available

11.3 Reproductive Effects : No information available

11.4 Neurotoxicity : No information available

11.5 Mutagenicity : No information available

11.6 Other studies : No data available

12. Ecological Information

No information available.

13. Disposal considerations

Discarded chemical is classified as a hazardous waste. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

14. Transport information

14.1-4 UN number; UN proper shipping name; Transport hazard class(es); Packing group

Road ADR:

Valuation : Not regulated for transport by IMDG/IMO

Railway RID:

Valuation : Not regulated for transport by IMDG/IMO

Transport by sea IMDG-Code:

Valuation : Not regulated for transport by IMDG/IMO

Air transport ICAO-TI/IATA-DGR:

Valuation According to IMDG/IMO, it's not dangerous cargo : Not regulated for transport by IMDG/IMO

15. Regulatory information

Reference to the local, national, US, EU and international regulation

TSCA : US

16. Other information

The details in this document are based on the state of our knowledge at the time of revision. They do not constitute an assurance of the described product properties in terms of statutory warranty requirements.

The providing of this document to a recipient does not relieve the recipient of his or her responsibility toward compliance with all laws and stipulations applicable to the product. This applies in particular to the further sale or distribution of the product or substances or items containing the product, in other jurisdictions and with regard to the protection of third-party intellectual property rights. If the described product is processed or mixed with other substances or materials, the details stated in this document

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cannot be conferred to the resultant new product unless this has been expressly mentioned. If the product is repackaged, the recipient is obligated to additionally provide the required safety-related information.

CHARING