

Technical Instructions for Material Safety (MSDS)

1. Item & Company profile

Item: Florine-Free Multi-functional Sand Texture Materials

Product model: S-05

Recommended use: It can be used in polyester resin/TGIC, polyester resin/HAA and polyester/epoxy resin powder coatings to provide art-type powder coating etc.

Restricted use: None

2. Hazard information

2.1. Hazard classification

Not classified as hazardous according to OSHA Hazard Communication Stand, 29 CFR 1910.1200

2.2 Label elements

Signal word

Not applicable

●Notice:

P260: Do not breathe dust.

P285: Wear personal protective equipment with good air permeability during production.

P501: Processing packages in accordance with local statutory regulations.

●Invasion pathway:

Inhalation, ingestion and absorption.

●Environmental hazards:

No particularly adverse effects have yet been found.

●Explosion hazard:

Non-flammable and non-explosive.

3. Component

Chemical Composition	CAS (No.)	EINECS NO.	Quality(%)
Amorphous Silicon(SiO ₂)	7631-86-9	238-878-4	60
Wollastonite	13983-17-0	/	20
Silicon	7440-21-3	/	10
Ester Compounds	35176-78-4	/	7.5
Cure accelerator	27136-73-8	/	2.5

4. First aid measures

Inhalation: Transfer to fresh air as soon as possible;

If dyspnea or other symptoms occur, please consult a doctor immediately.

Skin contact: Rinse with soap and water.

Eye contact: Rinse with flowing water and saline. If you have allergies or discomforts, see a doctor immediately.

Intake: Drink plenty of warm water to induce vomiting or consult a doctor.

5. Fire protection

Hazard characteristics:

It can react violently with chlorine trifluoride, manganese trifluoride and oxygen trifluoride.

Harmful combustion products: Non combustion.

Fire extinguishing methods and medium: Water Spray.

Fire-fighting instructions: Use protective measure that suit the hazard conditions.

6. Accidental release measures

Personal Attention: To prevent dust diffusion and contact with dust, please wear dust mask and protective equipment.

Cleaning methods: do not dry sweep, use a ventilation dust system or sprinkler to prevent dust production.

Environmental Protection: No Special Requirements.

7. Operation and storage methods

Disposal: Avoid dust generation.

Install ventilation and exhaust facilities in places with dust.

Respiratory protective equipment should also be worn.

It is suggested that pipeline transportation or vacuum system be used to eliminate the problem of dust.

As for protection, please contact us. We can give you feasible suggestions according to the situation.

Storage: Store in the warehouse to prevent damage to product packaging. Ventilation, moisture proof, away from heat source. Special Purpose: When the combination of texture modules is mixed with other

substances, the above submitted operation and storage methods are also applicable.

8. Exposure Control and Personal Protection

Exposure control:

The production process is sealed to ensure the circulation of fresh air. Dust limit: At present, the allowable concentration of silica dust in the workplace has not been stipulated separately in the national standard, so the dust hazard can be prevented and cured with reference to it.

According to the requirements of the Occupational Contact Limit of Hazardous Factors in the Workplace (GBZ2.1-2007) of the People's Republic of China, the permissible concentration of dust in the air of the workplace is 0.5 mg/m³ for total dust and 0.2 mg/m³ for respirable dust.

●Dust control and occupational protection in workplace: install exhaust ventilation and filtration facilities in dust-prone workplaces; wash hands with soap and other clean water before and after work, remove and clean contaminated clothes.

◎Respiratory protection: protective equipment for dust work must be worn.

◎Eye protection: Wear protective glasses.

◎Hand protection: Wear latex gloves.

◎Other protection: after work, keep good hygienic habits.

●Environmental Dust Prevention: No Special Requirements.

9.Physical and chemical characteristics

Physical and Chemical Characteristics	
Appearance	Solid Powder
Colour	White
Density (g/cm ³)	2.2-2.4
Melting point	1750°C
Odor	None
Boiling point	2230°C
PH	5.0-7.5
Solubility:	insoluble in water, acid, soluble in hydrofluoric acid.

10.Safety and reactivity

Safety: Stability.

Hazardous Reactions in Special Situations: It can react violently with chlorine trifluoride, manganese trifluoride and oxygen trifluoride.

Avoidable substances: Chlorine trifluoride, manganese trifluoride and oxygen trifluoride.

Hazardous decomposition products: Non-decomposition.

11.Toxicity

Acute toxicity: None;

Sensitivities: None;

Chronic or long-term toxicity: None.

12.Ecology Information

Potential environmental impacts: no particularly adverse impacts have been identified.

13. Waste disposal

- Waste/Unused Products

Processing may be carried out in accordance with the provisions of the locality.

- Package

Recycling of paper bags, woven bags and PE bags should be handled by professional waste companies.

Reuse of packaging bags is not recommended.

14. Transportation information

1. Land transport (ADR/RID/GGVSE)

This product is not regulated as a hazardous material or dangerous goods for transportation.

2 Sea transport (IMDG-Code/GGVSee)

This product is not regulated as a hazardous material or dangerous goods for transportation.

3 Air transport (ICAO-TI/IATA-DGR)

This product is not regulated as a hazardous material or dangerous goods for transportation.

4 Additional information

No data available.

15. Regulatory

15.1 General regulations: 《Occupational exposure limits for hazardous factors in the workplace》 (GBZ2.1-2007) .

15.2. Chemical Inventories :This product is listed in TSCA regulations.

This product complies with the New Zealand Hazardous Substances and New Organisms Act (1996).

15.3. This SDS has been prepared to meet the U.S. OSHA Hazard Communication Standard, 29 CFR 1910.1200.

16. Other information:

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Explanation: With the continuous expansion of the product application and the increase of knowledge, we will regularly modify and improve SDS without prior notification. The data is not the product manual, therefore we can not foresee and control the specific circumstance of its products, which we can not guarantee the applicability and accuracy of the products In any particular case. The industrial health and safety treatment procedure is only based on our experience and general consensus in the industry. Customers should read the data and product instructions carefully to determine whether they are suitable for your application.