

MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Chemical Name: Powder coating

Trade Name: Powder coating, plastic powder

Manufacture name: Fujian Wanan Industry Group Co. Ltd.

Address: Nanshan Jingqu Industrial Park, Xiangcheng District,
Zhangzhou, Fujian, China 363002

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Date: JAN. 01, 2026

2. Information on Ingredients

Pure product compound

Name: Powder coating

Material composition	Concentration%	CAS No.
Polyester resin	33	25135-73-3
Epoxy resin	33	38891-59-7
Barium sulphate	30.5	13462-86-7
Paraffin wax	3	8002-74-2
Titanium Dioxide	0.5	13463-67-7

3. Hazards Identification

Hazard Categories: Eye injury/eye irritation 2B and carcinogenicity 2 as per GB 13690-2009

Routes of invasion: Breath in, ingestion, dermal exposure

Health hazard: Skin sensibility, dermatitis or silicosis

Environmental hazard: See section 12

Explosion hazard: Burning point (firing temperature) is 450°C,

it may cause explosion when percentage of powder mix with air comes to certain value,
lowest explosive limit is 35g/m³

4. Emergency and First aid measures

Skin contact

Wash skin thoroughly with soap and water, do not use thinners.

Eye contact

Open eyelid and wash with plenty of water

Inhalation

Send patient to fresh air place and send him to hospital if necessary

Ingestion

Let patient wash mouth and drink clean water, vomiting is not suggested,
send patient to hospital if necessary

5. Fire-fighting measures

Hazardness: It can be burning with fire

Hazard of combustion products: It may cause hazardous gas

Extinguishing method and extinguishing agent: carbon dioxide powder, water-foam fire extinguishing agent, use ethanol fire extinguishing agent or water-foam fire extinguishing agent if situation is serious

Safety notes: Don't use high-pressure inert gases as extinguishing agent

6. Accidental release measures

Emergency processing: Meaningless

Solution: Meaningless

7. Handling and storage

Handling notices: Take actions to avoid the mixing of exposable powder and air.

Using explosion-proof equipment and fire fighting tools, keep away from fire and heating, avoid electrostatic discharge

Storage notices: Do not store powder with food, keep away with fire and heating, avoid sunshine.

8. Exposure controls/personal protection

Max allowable concentration (MAC): Meaningless

Monitoring method: Meaningless

Project control: Meaningless

Respiratory protection: Wear dust mask

Eye protection: Meaningless

Body protection: Meaningless

Hands protection: Meaningless

9. Physical and chemical properties

Form and state: Powder solid with odorless

Melting point(°C): 80-110°C

Boiling point(°C): Meaningless

Octanol/ water partition coefficient: No data

Upper explosive limit(g/m³): 90

Lower explosive limit(g/m³): 35

Main application: Industrial coating

Other physical properties: Particle diameter(D50) 20~50um

PH Value: Meaningless

Relative density(Water=1): 1.4-1.7

Relative vapour density(Air=1): Meaningless

Flash point(°C): Meaningless

Ignition temperature(°C): 450°C

Solubility: Water insoluble

10. Stability and reactivity

Stability: Stable

Unallowable mixing material: No data

Storage conditions: Keep away from fire, heating, avoid sunshine

Polymerization hazardous: No data

Decomposition products: No data

11. Toxicological Information

Acute toxicity:No data

Subacute and chronic toxicity:No data

Irritation:It may cause slight or medium local irritation to eyes and skin

Sensitization:Non-sensitized

12. Ecological Information

The product should not be allowed to enter drains or watercourses.

The product is not classified as dangerous for the environment but contains a raw material, Titanium Dioxide, data as below:

LC₅₀ - other fish - >1000mg/l - 96h

EC₅₀ - Daphnia magna(Water flea) - >1000mg/l - 48h

EC₀ - Daphnia magna(Water flea) - 1000mg/l - 48h

13. Disposal considerations

Rejectamenta category: Hazardous goods Industrial solid waste

Disposal treatment:Burning in incinerator or buried deeply underground

Disposal notices:Keep away from smoke gas when burning

14. Transport information

Goods dangerous classification:Not subject substance can by sea or by air

UN No.:Not regulated

IMDG PSN:Not regulated

IMDG class:Not regulated

DOT hazard class:Not regulated

Marine pollutant:Not regulated

Packing remark:Always transport in closed containers

Packing category:Not restricted in IATA DGR

Packing method:PE bag inside, box outside

Transportation notices:Ensure the packaging is sealed and intact during transportation

15. Regulatory information

Regulatory information:No data

16. Other information

Fill in time:JAN.01,2026

Department:R&D department of Fujian Wanan Industry Group Co., Ltd.

Data recheck DEPT:R&D department of Fujian Wanan Industry Group Co., Ltd.

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