

MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Trade Name: Electrostatic powder coating

Chemical Name: Electrostatic powder coating

Manufacture name: Fujian Wan'an Industry Group Co. Ltd.

Address: Nanshan Science Are Industrial Park, Shiting Town, Xiangcheng District, Zhangzhou, Fujian Province, China

International Dept. Tel: +0086-0532-83889191

Date: 2018-06-16

2. Information on Ingredients

Product name: B21.7.1711371P Haas Light Gray RAL7035

Material composition	concentration%	CAS No
Polyester resin	60	25135-73-3
Filler	5	13462-86-7
Curing Agent	9	2451-62-9
Titanium Dioxide	22	13463-67-7
Wax auxiliaries	4	8002-74-2

3. Hazards Identification

This preparation is classified as hazardous according to the Dangerous Preparations Directive 1999/45/EC. It is very toxic to aquatic organisms and may cause long-term adverse effects in the aquatic environment. Precautions should be taken to prevent the formation of dust in concentrations above flammable, explosive or occupational exposure limits.

4. Emergency and First aid measures

Eye contact

Contact lenses should be removed. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart, and seek medical advice.

Skin contact

Remove contaminated clothing. Wash skin thoroughly with soap and water or use a proprietary skin cleaner. Do NOT use solvents or thinners.

Inhalation

Remove to fresh air, keep the patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration. Give nothing by mouth. If unconscious, place in the recovery position and seek medical advice.

Ingestion

If accidentally swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

5. Fire-fighting measures

Suitable extinguishing media

Recommended: water/spray mist, CO₂ -blanket, alcohol resistant foam

Not to be used: high pressure inert gas, water jets; do not stir up the powder coating.

Recommendations:

Fire will produce dense black smoke containing hazardous products of combustion(see Section10).

Exposure to decomposition products may be a hazard to health. Appropriate self-contained breathing apparatus may be required. Cool closed containers exposed to fire with water spray. Do not allow run-off from fire fighting to enter drains or water courses.

6. Accidental release measures

Exclude sources of ignition and ventilate the area. Exclude non-essential personnel. Avoid breathing dust. RELEASE Refer to protective measures listed in Sections 7 and 8. Contain and collect spillages with an electrically MEASURES protected vacuum cleaner or by wet brushing and place in container for disposal according to local regulations(see Section 13). Do not use a dry brush as dust clouds can be created.

Do not allow to enter drains or watercourses.

If the product contaminates lakes, rivers or sewage, inform appropriate authorities in accordance with local regulations.

7. Handling and storage

Persons suffering from respiratory problems or allergic response should not be exposed to, or handle, powder coatings.

Handling:

Precautions should be taken to prevent the formation of dusts in concentrations above flammable, explosive or occupational exposure limits.

Electrical equipment and lighting should be protected to appropriate standards and to prevent dust coming into contact with hot surfaces, sparks or other ignition sources.

Preparation may charge electrostatically: always use earthing leads when transferring from one container to another. Operators should wear anti-static footwear and clothing and floors should be of conducting type.

Avoid skin and eye contact. Avoid the inhalation of dust, particulates and spray mist arising from the application of this preparation. Treatments such as sanding, welding, burning off etc. of paint films may generate hazardous dust and/or fumes. Work in well ventilated areas.

Use suitable personal (respiratory) protective equipment, as necessary.

Keep containers tightly closed. Isolate from sources of heat, sparks and open flame.

Smoking, eating and drinking should be forbidden in application area.

Comply with health and safety at work laws.

Always keep in containers made of same material as the original one.

Storage:

Observe the label precautions. Store in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access

Containers that are opened must be carefully resealed and kept upright to prevent leakage.

8. Exposure controls/personal protection

Engineering Measure:

Avoid the inhalation of dusts. Where reasonably practicable this should be achieved by use of local exhaust extraction and good general ventilation. If these are not sufficient to maintain exposure to dust below the exposure limits, suitable respiratory protection must be worn.

Personal Protection:

Respiratory protection

If workers are exposed to dust concentrations above the exposure limit, they must use appropriate certified respirators (P1 grade) being effective against this type of material.

Hand protection

For prolonged or repeated contact, use general industrial gloves. Suitable materials include lightweight vinyl or nitrile rubber gloves. The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed.

Breakthrough time of gloves not applicable to powder coatings. Barrier creams may help to protect exposed areas of the skin, they should however not be applied once exposure has occurred.

Eye protection

Safety eyewear should be used when there is a likelihood of exposure.

Skin and body protection

Personnel should wear protective clothing and all parts of the body should be washed after contact. Care should be taken in the selection of protective clothing, to ensure that inflammation or irritation of the skin at neck and wrists through contact with the powder is avoided.

9. Physical and chemical properties

		Test Method
Physical state:	fine powder	---
Odour:	Not unpleasant	---
Real density 23°C:	1.3-1.8 g/cm ³	---
Bulk density 23°C	0.9-1.2 g/cm ³	---
Lower explosion limit of dust/air mixture:	No data	---
(recommended value for powder in air for plant design: not to exceed 10 g/m ³)		
Solubility in water:	Insoluble	---
Softening point:	>80°C	----
Ignition temperature of a dust/air mixture:	No data	----
Minimum ignition energy:	No data	----
Vapor pressure:	None	---
pH-value in water:	pH-value of water will not change	----
Flash point:	None	----

*Determined LELs on a range of typical coating powders lie between these values, depending on the specific physical and chemical properties. Thermal decomposition; hazardous decomposition products; hazardous reactions: not applicable in normal usage. In case of doubt, refer to the powder supplier.

10. Stability and reactivity

Stable under recommended storage and handling conditions (see section 7). When exposed to high temperatures hazardous decomposition products may be produced, such as carbon monoxide and dioxide, nitrogen oxides and smoke.

11. Toxicological Information

Tests carried out by the raw material supplier have shown no skin irritation or sensitization. There are no further data available on the preparation itself. Powder coatings can cause localised skin irritation in folds of the skin or in contact with tight clothing.

12. Ecological Information

No data available

13. Disposal considerations

Do not allow into drains or watercourses. Waste and empty containers should be disposed of, without creating dust, according to local legislation.

The appropriate European Waste Catalogue number and disposal route for this product should be determined in consultation with the local waste authority.

14. Transport information

Land transport (DOT)

Non-Regulated

Sea transport (IMDG)

Non-Regulated

Air transport (ICAO/IATA)

Non-Regulated

15. Regulatory information

Regulation (EC) No. 1272/2008 and its amendments:

Serious eye damage/irritation(Category 2)

Carcinogenicity(Category 2)

16. Other information

The information in this MSDS is based on the present state of our knowledge and on current China and national laws. The product is not to be used for other purposes than those specified under section 1 without first obtaining written handling instruction. It is always the responsibility of the user to take all necessary steps in order to fulfill the demands laid down in the local rules and legislation.

The information in this MSDS is meant as a description of the safety requirements of our product: it is not considered as a guarantee of the product's properties.