


ZHANGZHOU WONCHENG POWDER COATINGS CO., LTD.

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Material Safety Data Sheet

Powder Type	Recommended Use	Trade mark
Electrostatic Powder Coating	Powder Coating Applied by Electrostatic Spray	
Section 1: Material Identification and Application		
Manufacturer's Name	Zhangzhou Woncheng Powder Coatings Co., Ltd.	
Address	Zhuli Industrial Park, Jinfeng Industrial Zone, Zhangzhou City, Fujian Province, China	
Tel	+86-596-2600611/2613277	
Chemical Name	Electrostatic Powder Coating	
Physical State	Powder state in dry form	
Product Application	Powder coating thermosetting dry paint applied electrostatically	
Section 2: Composition / Information on Ingredients		
Components	CAS NO.	Proportions
Epoxy Resin	61788-97-4	0-40%
Polyester Resin	113669-95-7	33-60%
Barium Sulfate	7727-43-7	5-15%
Calcium Carbonate	471-34-1	5-10%
Titanium Dioxide	13463-67-7	5-25%
Pigments	11000-27-4	1-10%
Ingredients Determined not to be hazardous		to 100%
Section 3: Hazards Identification		
Danger Classification	Not classified as dangerous goods being in powder dry form	
Route of Invasion	Inhalation, ingestion, skin contact	

Health Hazards	Based on the composition and performed toxicity studies with the product, the preparation can be considered as an inert dust. It is not harmful.
Flammable and Explosive Hazards	No flash point, ignition temperature is higher than 400 °C. Precautions should be taken to prevent the formation of dust in concentrations above flammable, explosive or occupational exposure limits.
Environmental Hazards	Not classified as dangerous for the environment. Tests and long term use of powder coatings have in general shown no specific risk. If powder coatings are applied and stored according to the recommendations, emissions will be within the legal limits. The extract of a typical powder coating with rainwater shows that a deposit will not affect ground or surface water substantially.

Section 4: Physical Data

Physical form	Fine powder form
Odour and appearance	No unpleasant odour
Melting point (°C)	95°C
Boiling point(°C)	Not applicable
Water solubility	Insoluble
Evaporation Rate	Not applicable
Softening point	> 50°C
Flash point	None
Ignition temperature of a dust/air mixture	450-600°C
Minimum ignition energy	5-20mJ
Lower explosion limit of dust/air mixture	20-70g/m ³
(Recommended value for powder in air for plant design: not to exceed 10g/m ³)	

Section 5: First Aid Measures

Eye contact	Flush with plenty of water for at least 15min and take medical care
Skin contact	Wash with water and soap
Ingestion	Seek medical attention
Inhalation	Seek medical attention

Section 6: Fire-Fighting Measures

Hazardous Specification	It will form explosive mixture when dust is accumulative in the air
Hazardous Combustion	Fire will produce dense black smoke containing hazardous decomposition products, such as carbon monoxide, dioxide, nitrogen oxides and smoke, exposure to decomposition products may cause a health hazard
Fire extinguishing measure	Recommended water/spray mist, CO ₂ -blanket, alcohol resistant foam
Not to be used	High pressure inert gas, water jets, do not stir up the powder coating. Appropriate breathing apparatus may be required. Cool closed containers exposed to fire with water.

Section 7: Accidental Release Measures

Emergency response measure	Exclude sources of ignition and ventilate the area, exclude non-essential personal. Avoid breathing dust. Refer to protective measures listed in section 8. Contain and collect spillage with an electrically protected vacuum cleaner or by wet brushing and place in container for disposal. Do not use a dry brush as dust clouds can be created. Do not allow to enter drains or water-courses.
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Section 8: Personal Protective Measures

Hand protection	General industrial gloves
Respiratory	Face Mask
Eye protection	Protective glass
Foot protection	Industrial shoes
Skin protection	Cotton clothing
Dust control	Recommended
Leak or spill procedure	Collect to tray or vacuum cleaner

Section 9: Handling

1. Precautions should be taken to prevent the formations of dust in concentrations above flammable, explosive or occupational exposure limits.
2. Electrical equipment and lighting should be protected to appropriate standards to prevent dust coming into contact with hot surfaces, sparks or ignition sources.
3. Operators should wear anti-static footwear and clothing and floors should be conducting type.
4. Avoid skin and eye contact. Avoid the inhalation of dust, particles and spray mist arising from the application of this preparation.
5. Keep containers tightly closed. Isolate from sources of heat, sparks and open flame.
6. Smoking and drinking should be forbidden in application area.
7. Comply with health and safety laws at work.

Section 10: Storage

Store in dry, well-ventilated place. Keep away from sources of heat, ignition and direct sunlight. No smoking. Containers that are opened must be carefully resealed and kept upright to prevent leakage.

Section 11: Stability And Reactivity Data

Chemical Stability	Stable under recommended storage and handling conditions.
Conditions to avoid	Heat, ignition and direct sun-light.
Decomposition substance	When exposed to high temperatures, hazardous decomposition products may be produced, such as carbon monoxide, dioxide, nitrogen oxides and smoke.

Section 12: Toxicological Properties

Skin contact	Irritation
Eye contact	Irritation
Inhalation acute	Not applicable
Ingestion	Not applicable

Section 13: Ecological Information

Ecological toxicity	Not available
Biodegradation	Not available
Non-biodegradation	Not available

Section 14: Disposal Considerations

Disposal measure	Do not allow to dispose by burning or burying. Better to consult with environmental protection bureau to seek for appropriate disposal methods.
Disposal measure of packing material	In compliance with the local regulations, any packing material contaminated by the products shall be disposed as residual products.

Section 15: Transport Information

1. Always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.
2. Powder coatings are not classified as dangerous for transport according to PRC National Standard GB6944 and international regulations. This powder coating is primarily a mixture of resins, hardeners, pigments and fillers and is not classified as explosive, according to IATA and ICAO annex 18 regulations. It is proved not to be dangerous for air transport.

Section 16: Regulatory Information

This safety datasheet is prepared in accordance with PRC National Standard GB16483-2000 (General Rules for Preparation Of Chemical Safety Data Sheet). The information contained therein does not constitute the user's own assessment of work place risks.

Section 17: Other Information

Prepared by	Technical Director of Zhangzhou Woncheng Powder Coatings Co., Ltd.
Prepared on	12/Mar/16

Disclaimer

The information of this MSDS is based on the present state of our knowledge and on current 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 products' properties.