



Material Safety Data Sheet

Product Name: Epoxy Polyester Powder Coating

Effective Date: 2020-09-01

Checker: 钟子龙

Approver: 陈锦沃

Material Safety Data Sheet (MSDS)

Epoxy Polyester Powder Coating


1. Chemical Product and Manufacturer Identification

Product name	Epoxy Polyester powder coating	CAS No.	Not applicable
Article number	Not applicable	Molecular mass	Not applicable
Molecular formula	Not applicable		
Manufacturer/Supplier	FOSHAN WOLONG CHEMICAL CO.,LTD		
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Emergency phone	13923262172	Effect date	01/09/2020

2. Composition/Information on Ingredients

Component:	Percentage %	CAS No.
Epoxy resin	19-50	61788-97-4
Polyester resin	15-43	26123-45-5
Barium sulphate	10-20	7727-43-7
Pigment	1-15	20344-49-4
Other additives	2	119-53-9

3. Hazards Identification

GHS Hazard Class	Skin irritation(Category 2);Eye irritation(Category 2);Acute toxicity,Inhalation(Category 4);Specific target organ toxicity-single exposure(Category 3).
Pictogram and Signal Word	 Warning.
Hazard Statement	H315 Causes skin irritation. H319 Causes serious eye irritation H332 Harmful if inhaled H335 May cause respiratory irritation
Routes of Entry	Skin and eye absorb,inhalation,ingestion.

Precautionary Statements	P261 Do not breathe dust/fume P305+P351+P338 IF IN EYES:Rinse cautiously with water for several minutes. Remove contact lenses,if present and easy to do.
Health Hazards	Skin Contact: May be harmful if absorbed through skin.Causes skin irritation. Eye Contact: Causes serious eye irritation Inhalation: Harmful if inhaled. Cause respiratory tract irritation. Ingestion: May be harmful if swallowed.
Explosion Hazards	Fine dust dispersed in air in sufficient concentrations,and in the presence of an ignition source is a potential dust explosion hazard.

4. First Aid Measures

Skin Contact	Wash with soap and warm water.
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.
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 medical attention. Keep at rest. Do NOT induce vomiting.Never give anything by mouth to an unconscious person.

5. Fire Fighting Measures

Types of Hazard	Combustible solid. Fine dust dispersed in air in sufficient concentrations,and in the presence of an ignition source is a potential dust explosion hazard.
Hazardous Combustion Products	Carbon monoxide,carbon dioxide and oxides of nitrogen,harmful smoke.
Fire-Fighting Measures	Water, extinguisher of foam, powder and carbon dioxide, water spray/mist.
Special Information	High pressure inert gas(e.g. CO ₂),water jets are forbidden. Fire will produce dense black smoke containing hazardous products of combustion. So 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 watercourses.

6. Accidental Release Measures

Exclude sources of ignition and ventilate the area. Exclude non-essential personnel. Avoid breathing dust. Contain and collect spillage with an anti- electrostatic vacuum cleaner or by wet brushing and place in a closed container for disposal in accordance with the waste regulations . Do not use a dry brush or static

7. Handling and Storage Measures

Handling	<p>Precautions should be taken to prevent the formation of dusts in concentrations above explosive or occupational exposure limits.</p> <p>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.</p> <p>Keep the container tightly closed. Exclude sources of heat, sparks and open flame. Avoid the inhalation of dusts. Smoking, eating and drinking should be prohibited in areas of storage and use.</p> <p>Operators should wear anti-static footwear and floors should be electrically conductive. The containers of this product should be handled in qualified department.</p>
Storage	<p>Store below 30°C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. Opened containers should be retightened and upright to prevent leakage.</p>

8.Exposure Controls/ Personal Protection

Occupational Exposure Limits	None listed.
Engineering Controls	Avoid the inhalation of dusts. If there are not sufficient to maintain concentrations of dust below the relevant Occupational Exposure Limits, suitable respiratory protective equipment should be worn.
Inhalation Protection	Suitable respiratory protective equipment should be worn when this product is sprayed if the exposure of the sprayer or other people nearby cannot be controlled to below the occupational exposure limit and the engineering controls and methods cannot reasonably be improved.
Eye Protection	Use chemical safety goggles.Maintain eye wash fountain and quick-drench facilities in work area.
Skin Protection	<p>Wear protective gloves and clean body-covering clothing.Cotton or cotton/ synthetic overalls or overalls are normally suitable.</p> <p>Care should be taken in the selection of protective clothing to ensure that inflammation and irritation of the skin at the neck and wrists through contact with the powder is avoided.</p>
Other Protection	Persons with a history respiratory problems or allergic responses should only be exposed to, or handle, this product under appropriate medical supervision.

9. Chemical and Physical Properties

Appearance and Odor	Powder	PH	No Information
Melting Point(°C)	No Information	Boiling Point(°C)	No Information
Density(Water=1)	1.2-1.9	Relative Vapour Density(Air=1)	1.2-1.9(g/cm ³)
Vapour Pressure(KPa)	<5mBar at 25°C	Heat of	No Information

		Combustion(KJ/MOL)	
Critical Temperature(°C)	No Information	Critical Pressure(MPa)	No Information
Octanol/Water Partition Coefficient as Log Pow	No Information	Flash Point(°C)	No Information
Ignition Temperature(°C)	400	Solubility	Insoluble in water
Lower Explosive Limits(g/m ³)	30	Upper Explosive Limits(g/m ³)	50
Main Purpose	Surface coating of metal building material,furniture,car and aluminium profile.		

10. Stability and Reactivity

Stability	Stable under ordinary conditions of use and storage .
Incompatibilities	Acid,base,strong oxidizing agents.
Conditions to Avoid	Incompatibles.
Hazardous Polymerization	Will not occur.
Hazardous Decomposition	None.

11. Toxicological Information

Acute Toxicity	No information
Skin Irritation/Corrosion	May cause localized skin irritation in folds of the skin or in contact with tight clothing.
Eye Damage/Irritation	No information
Respiratory or Skin Sensitization	No information
Reproductive Cell Mutagenicity	No information
Carcinogenicity	No information
Reproductive Toxicity	No information
STOT-Single Exposure	No information
STOT-Repeated Exposure	No information
Aspiration Hazard	No information
Other Toxicity	No information

12. Ecological Information

Ecological Toxicity	This material is not expected to be toxic to aquatic life.
Persistence and Degradability	No information.
Bioaccumulation	No information.
Mobility in Soil	No information.
Others	The product should not be allowed to enter drains or

	watercourses or be deposited where it can affect ground or surface waters.
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13. Disposal Information

Disposal Measures	Do not allow into drains or watercourses or dispose of where ground or surface waters may be affected. Wastes, including emptied containers, are controlled wastes and should be disposed of in accordance with regulations made under the Control of Pollution Act.
Notes	No information.

14. Transportation Information

Regulations	IATA DGR
UN No.	Not regulated
Proper Shipping Name	Not regulated
Hazard Class	Not regulated
Packing Group	Not regulated
Packing Method	Not regulated
Environmental Hazards	All ingredients are not known marine pollutant according to IMDG Code(International Maritime Dangerous Goods Code).All ingredients are not environmentally hazardous substance according to ADN(European Provisions Concerning the International Carriage of Dangerous Goods on Inland Waterway).
Notes	Not regulated by IMO.

15. Regulatory Information

<p>Domestic Authority Regulations:</p> <p>Regulations on the Safety Administration of Dangerous Chemicals(2011). This material is not listed in General rule for classification and hazard communication of chemicals (GB 13690-2009).</p> <p>International Regulations:</p> <p>All ingredients are listed in TSCA(Toxic Substance Control Act),DSL(Domestic Substances List),but not listed in CERCLA(Comprehensive Environmental Response Compensation and Liability Act).</p>

16. Other Information

Issue Date	01/09/2020
Issue By	Quality Control Department of FOSHAN WOLONG CHEMICAL CO.,LTD



Statement

This MSDS conforms to the requirements of Safety Data Sheet for Chemical Products Content. This MSDS is offered to you in good faith as accurate. We have reviewed any information contained in this data sheet which we received from sources outside our company. We believe that information to be correct but can not guarantee its accuracy or completeness. Health and safety precautions in this data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. No statement made in this data sheet shall be construed as a permission or recommendation for the use of any product in a manner that might infringe existing patents. No warranty is made, either express or implied.

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