

SAFETY DATA SHEET



Polyester Resin maple® FL-2012A

Section 1 Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier:

Identification on the label/Trade name:	FL-2012A
Additional identification:	Not available
Identification of the product:	See section 3
Index Number:	Not available
REACH registration No.:	Not available

1.2 Relevant identified uses of the substance and uses advised against:

Identified uses:	Raw materials of powder coating.
Uses advised against:	Not available

1.3 Details of the supplier of the safety data sheet:

Supplier(Only representative):	-
Supplier(Manufacturer):	Yantai Fenglin Advanced Materials Co., Ltd.
Address:	Haixiang Middle Rd, Haiyang, Shandong Province 265100
Contact person(E-mail):	info@fenglin.com.cn
Telephone/Fax:	+86 535 6935111/+86 535 6935188

1.4 Emergency telephone Number:

Emergency telephone Number:	+86 535 6935111		
Available outside office hours?	YES	NO	X

Section 2 Hazards Identification

2.1 Classification of the substance/mixture:

Classification	REGULATION (EC) No 1272/2008
Hazard classes/Hazard categories	Hazard codes
N/A	N/A

2.2 Label elements:

Hazard Pictograms:	No hazard pictogram is used.
Signal Word(S):	No signal word is used.
Hazard Statement:	Not applicable.
Precautionary statement:	Not applicable.

2.3 Other hazards:

The dust may be irritating to the eyes and respiratory tract.

Section 3 Composition/information on ingredients

Substance/Mixture:	Mixture
Ingredient(s):	This products does not contain hazardous ingredients according to Regulation EC 1272/2008.

Section 4 Composition/information on ingredients

4.1 Description of first aid measures:

In all cases of doubt, or when symptoms persist, seek medical attention.

In case of inhalation:	Move to fresh air. Seek medical attention if you feel unwell or if exposure prolonged.
In case of skin contact:	Remove contaminated clothing. Wash affected skin with soap and plenty of water. If discomfort persists, contact a physician.
In case of eyes contact:	Thorough rinsing for 15-20 minutes of the affected eye with water is recommended. Seek medical attention immediately.
In case of ingestion:	Wash out mouth with water. Drink plenty of water.

4.2 Most important symptoms and effects, both acute and delayed:

The product is not classified as harmful to human health

4.3 Indication of any immediate medical attention and special treatment needed:

If skin irritation or rash occurs, get medical advice/attention.

Section 5 Fire-Fighting measures

Suitable extinguishing media:	Carbon dioxide, Water, Foam
Unsuitable extinguishing media:	High pressure water jets
Special hazards arising from the	In case of fire, the following can be released: carbon oxides.

substance or mixture

Special fire fighting methods and special protective actions for fire-fighters: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6 Accidental release measures

Non-emergency personnel: Provide adequate ventilation. Refer to section 8 of SDS for personal protection details.

For emergency responders: Wear an appropriate NIOSH/MSHA approved respirator if dust is generated.

Environmental Precautions: Do not allow material to be released to the environment without proper governmental permits.

Methods for Containment and Cleaning up: Use any feasible mechanical means (e.g. vacuum, sweeping) but avoid dusting during clean-up. Keep in suitable, closed containers for disposal.

Reference to other sections: See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for information on disposal.

Additional information: Not applicable.

Section 7 Handling and storage

Protective measures: Avoid contact with skin and eyes. Avoid formation of dust. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

Advice on general occupational hygiene: Do not eat, drink and smoke in work areas. Wash hands after use. Remove contaminated clothing and protective equipment before entering eating areas.

Conditions for safe storage, including any incompatibilities: Keep container tightly closed in a dry and well-ventilated place. Avoid direct sunlight and excess heat.

Specific end use(s): Not applicable.

Section 8 Exposure Controls/Personal Protection

8.1 Control parameters

Occupational exposure limits: Not available.

Additional exposure limits under the conditions of use: Not available.

DNEL/DMEL and PNEC-Values: Not available.

8.2 Exposure controls

Appropriate engineering controls: Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Individual protection measures, such as personal protective equipment:

Eye/face protection: Safety glasses.

Hand protection: Wear suitable gloves.

Body protection: Wear normal working clothing.

Respiratory protection: Required when dusts are generated. Dust respirator.

Thermal hazards: Wear suitable protective clothing to prevent heat.

Environmental exposure controls: Avoid discharge into the environment. According to local regulations, Federal and official regulations.

Section 9 Physical and chemical properties

9.1 Information on basic physical and chemical properties:

Appearance:	Solid
Colour:	Colorless or light yellow
Odour:	Odourless
Odour threshold:	Not available
pH:	Not available
Melting point/range (°C):	Not available
Boiling point/range (°C):	Not available
Flash point (°C):	
Evaporation rate:	Not available
Flammability limit - lower (%):	Not available
Flammability (solid, gas):	Not available
Ignition temperature (°C):	Not available
Upper/lower flammability/explosive limits:	Not available
Vapour pressure (20°C):	Not available
Vapour density:	Not available
Density:	~ 1.2 g/cm ³
Bulk density (kg/m³):	Not available
Water solubility (g/l):	Insoluble

N-Octanol/Water (log Po/w):	Not available
Auto-ignition temperature:	Not available
Decomposition temperature:	Not available
Viscosity, dynamic (mPa.s):	4200-5400mPa.s(200°C)
Explosive properties:	Not available
Oxidising properties:	Not available
Molecular Formula:	Not available
Molecular Weight:	Not available

9.2. Other information:

Fat solubility(solvent– oil to be specified) etc:	Not available
Surface tension:	Not available
Dissociation constant in water(pKa):	Not available
Oxidation-reduction Potential:	Not available
Acid value	30-36mgKOH/g

Section 10 Stability and reactivity

Reactivity:	The substance is stable under normal storage and handling conditions.
Chemical stability:	Stable at room temperature in closed containers under normal storage and handling conditions.
Possibility of hazardous reactions:	No dangerous reactions known.
Conditions to avoid:	Incompatible materials.
Incompatible materials:	Oxidizing agents.
Hazardous decomposition products:	Carbon oxides.

Section 11 Toxicological information

11.1 Toxicokinetics, metabolism and distribution:

Non-human toxicological data:	Not available
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11.2 Information on toxicological effects:

Acute toxicity:	-
LD50(Oral, Rat):	Not available
LD50(Dermal, Rabbit):	Not available

LC50(Inhalation, Rat):	Not available
Skin corrosion/Irritation:	Not classified
Serious eye damage/irritation:	Not classified
Respiratory or skin sensitization:	Not classified
Germ cell mutagenicity:	Not classified
Carcinogenicity:	Not classified
Reproductive toxicity:	Not classified
STOT- single exposure:	Not classified
STOT-repeated exposure:	Not classified

Section 12 Ecological information

Acute toxicity		Time	Species	Method	Evaluation	Remarks
LC50	N/A	96h	Fish	OECD 203	N/A	N/A
EC50	N/A	48h	Daphnia	OECD 202	N/A	N/A
EC50	N/A	72h	Algae	OECD 201	N/A	N/A

Persistence and degradability:	Not available
Bioaccumulative potential:	Not available
Mobility in soil:	Not available
Results of PBT&vPvB assessment:	Not applicable
Other adverse effects:	Not available

Section 13 Disposal considerations

Waste treatment methods:	The material should be disposed of by incineration in a chemical incinerator in compliance with national and regional requirements.
Product / Packaging disposal:	If empty container retains product residues, all label precautions must be observed. Return for reuse or dispose according to national or local regulations.

Section 14 Transport information

	Land transport(ADR/RID)	Sea transport (IMDG)	Air transport (ICAO/IATA)
UN-Number	Not regulated	Not regulated	Not regulated

UN Proper shipping name	Not regulated	Not regulated	Not regulated
Transport hazard Class	Not regulated	Not regulated	Not regulated
Packaging group	Not regulated	Not regulated	Not regulated
Environmental hazards	No	No	No
Special precautions for user	See section 2.2	See section 2.2	See section 2.2
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not regulated	Not regulated	Not regulated

Section 15 Regulation information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Relevant information regarding authorization:	Not applicable
Relevant information regarding restriction:	Not applicable
Other EU regulations:	Employment restrictions concerning young person must be observed. For use only by technically qualified individuals.
Other National regulations:	Not applicable
Chemical Safety Assessment has been carried out?	YES NO X

Section 16 Other information

Indication of changes:	Version 1.0 Amended by EU No 453/2010
Training instructions:	Not applicable
Further information :	This information is based upon the present state of our knowledge. This SDS has been completed and is intended for this product.
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