1. IDENTIFICATION OD THE PREPARATION

Product Name	BPA-free epoxy resin 5003
Typical application	For coating and epoxy two-component glue
Company Name	Fastfix-it Enterprise Co., Ltd
Company Address	No. 47-1, Lane 199, Renxin Road, Renwu District, Kaohsiung 81460, Taiwan
Telephone/Fax	886-7-3756058 / 886-7-3756091
E-mail address	sales@fastfix-it.com

2. COMPOSITION ON INGREDIENTS

COMPONENT A

Pure substance:	raw plant type solvent-free epoxy resin	
English name of material composition	CAS No	Concentration or concentration range (percentage of ingredients)
Biomass plant type solventless epoxy resin	620-92-8	100%
Agree name:		
English name of hazardous substance	CAS No.	Concentration or concentration range (percentage of ingredients)
NO		NO
Bisphenol A, no bisphenol-F, no epichlorohydrin and no phenolic reactant		

3. HAZARDS IDENTIFICATION

Classification of chemical hazards:	This chemical substance is a plant type, which is not classified according to the Global Harmonized System (GHS) for classification and labeling of chemical substances.
Marked content:	unclassified / or unregulated
Symbol:	unclassified / or unregulated
Hazard warning message:	unclassified / or unregulated
Hazard precautions:	unclassified / or unregulated
Other hazards:	

4. FIRST AID MEASURES

Proof of necessary first aid measures General information:	• Immediately take off the clothes dyed with the product. • No special measures are required. • Please refer to Chapter 8 for information on personal protective equipment • First aid methods for different exposure routes
Skin contact	● Rinse thoroughly with water and soap immediately. If skin irritation persists, please consult a doctor.
Eye contact	● Open your eyes and rinse for 15 minutes under running water. Seek medical attention as soon as possible.
Ingestion	● Do not induce vomiting, and seek medical assistance immediately. Rinse the mouth and drink plenty of water.
Inhalation	● Inhalation: In case of an inhalation accident, move the patient to fresh air; if the patient feels unwell, call a doctor.

- The most important symptoms and harmful effects are no known chronic or acute health hazards.
- Protection of first-aiders: Rescuers should wear personal protective equipment such as rubber gloves or airtight goggles.

- Tips for physicians: For the treatment of exposure, the patient's symptoms and clinical conditions should be directly controlled

5. FIRE FIGHTING MEASURES

Suitable fire extinguishing Agent
Methods and extinguishing agents for extinguishing: Carbon dioxide (CO2), powders for firefighting or watering. Use sprinkler or alcohol-resistant foam to extinguish large fires.
Use fire-fighting measures suitable for the fire environment.
Special hazards that may be encountered during firefighting: ➢ No relevant details.
Special firefighting procedures: ➢ If the safety of personnel is permitted, remove the container from the fire, otherwise use water spray to cool the container in the fire until the fire is extinguished.
Special protective equipment for firefighters and matters needing attention:
Special protective equipment for firefighters: Wear self-contained breathing apparatus (SCBA). Wear protective fire suits (including fire helmets, jackets, trousers, boots, gloves).
Additional information: ➢ Use sprinkler to cool the reservoir that is in danger. ➢ Avoid contact with skin, eyes and clothing. ➢ Do not inhale explosive or combustion gases.

6. LEAKAGE TREATMENT METHOD

Personal Precautions:	➢ Wear Appropriate Personal Protective Equipment's the Keep ➢ unprotected Personnel Away. The If Possible, Prevent at The Flow of Material. ➢ The Make the Sure there IS Adequate ventilation in at The Environment. ➢ The Do not Breathe Dust / Fumigation / Gas / FOG / Vapor / Spray. ➢ The Use Respiratory Protection to avoid exposure to smoke/dust/aerosol.
Environmental Precautions:	● Avoid flowing into drains and sewers.

Cleaning method:	● A material that can absorb liquids (sand, diatomaceous earth, acid binder, general purpose binder, sawdust). ● Let it solidify. Use mechanical lifting. ● If the liquid spill is relatively large (>1 barrel), the flash should be transported to the Collection tank for recycling or safe disposal using ● mechanical equipment such as vacuum suction trucks. Dispose of contaminants in accordance with Article 13.

➢ Refer to other sections: See Chapter 7 for information on safe disposal. See Chapter 8 for information on personal protective equipment. See Chapter 13 for information on disposal.

7. SAFE DISPOSAL & STORAGE METHODS

➢ Disposal
➢ Safety precautions
- Use personal protective gear as required.
- Ensure that all good ventilation/exhaustion devices are in the workplace.
- Strictly prevent eye contact, skin contact or clothing stains. Avoid breathing vapors.

➢ Information on fires and explosion prevention: No special measures are required.
➢ Store
➢ Requirements for storage and containers: Store in a tightly sealed container and store in a cool, dry place
➢ More information about storage conditions: Avoid contact with heat and direct sunlight.

8. EXPOSURE PREVENTION MEASURES

engineering control:	• Local exhaust or other engineering controls are used to maintain the concentration in the air below the specified exposure limit. Some operations may require local exhaust ventilation. Technical measures and proper operation should take precedence over personal protective equipment.

• The average allowable concentration/maximum permissible concentration of eight hours of daily hours/short time is not required.	
Exposure control	• Personal protective equipment
Health measures:	• When handling chemicals, general protective measures should be followed. • Wash your hands before rest and after work. • Immediately remove all unclean and contaminated clothes. • Stay away from food, drinks and feed. • Avoid contact with the eyes and skin. • Please clean your skin thoroughly after work and before taking a break.
• Make sure there are cleaning facilities in the place where you work.	
Respiratory protection:	• If the room is well ventilated it is not needed. • Use a proper respiratory protection if there is insufficient ventilation
	• The protective gloves selected must conform to the standard EN374 or the same specifications. • Replace gloves immediately when you notice any tearing or appearance changes (size, color, flexibility, etc.). The • material of the glove must be impermeable, and resistant to the product/substance/additive
• The protective gloves selected must conform to the standard EN374 or the same specifications. • Replace gloves immediately when you notice any tearing or appearance changes (size, color, flexibility, etc.). The • material of the glove must be impermeable, and resistant to the product/substance/additive	
➢ When selecting a glove material, please note the penetration time, permeability and degradation parameters of the material	
Glove material:	• butyl rubber (NBR) butyl oak (BR) polyethylene alcohol (PVA) gloves

	• Choosing the right glove depends not only on the material, but also on the manufacturer.
Time to seep into glove material:	• Please refer to the instructions and specifications provided by the • glove supplier and confirm that the rupture time is in full contact: • Solvent penetration time: .480 minutes • Use in splash contact: • Solvent penetration time: 30 minutes
Eye protection:	• Safety glasses for side guards conform to EN166, ANSI87.1-2010, or equivalent
Skin and body protection:	• Protective work wears the type of protective equipment must be selected based on the amount and concentration of hazardous substances in a particular workplace.
Hygiene measures:	• Wear dust masks, protective glasses and other protective equipment when working. 2. Develop good hygiene habits, do not eat in the workplace, wash your hands before eating, etc.

9. PHYSICAL & CHEMICAL PROPERTIES

Appearance	Liquid yellow-brown
Olfactory threshold:	No data.
Odor	Odorless
pH	No relevant data.
Melting point:	No relevant data.
Boiling point / boiling point range:	No relevant data.
Flammability (solids, gases):	Not applicable
Flash point	℉ 200 ℃
Breakdown temperature:	No data.
Self-ignition temperature:	No data.

Vapor pressure:	no relevant data.
Explosion limit:	the product is not in danger of explosion
Vapor density:	no relevant data.
Density:	(water = 1) 1.14 g/cm3
Solubility:	no relevant data.
Volatilization rate:	no relevant data.
Organic solvent:	None
Volatile organic compounds (VOC):	none

10. STABILITY & REACTIVITY

Reactivity:	• There are no known dangerous reactions when properly handled and stored.
Stability:	• The product is stable under specified conditions of use and storage.
Thermal decomposition / should be avoided	• Under normal conditions, it will not be decomposed.
Possible hazardous reactions under special conditions:	• More than one pound (0.5 kg) of product and fatty acid amines will undergo irreversible polymerization and release a large amount of heat.
Conditions to avoid:	• Heat, flame, ignition source should avoid substances: strong oxidants, strong acids, strong bases
Hazardous decomposition products:	• Carbon monoxide and carbon dioxide the product to be decomposed depends on the presence of temperature, air and other substances.

11. TOXICOLOGICAL INFORMATION

Information on the effects of toxicology	
Routes of exposure:	• See Chapter 4 for information on exposure routes.
Symptoms:	• See Chapter 4 for information on symptoms.
Acute toxicity, chronic toxicity or long-term toxicity:	• Classification conditions are not met due to lack of relevant data.
Skin Corrosion/Irritation:	• Classification conditions are not met due to lack of relevant data.

Severe eye damage / irritation:	• Due to lack of relevant data, classification conditions are not met.
Respiratory or skin sensitization:	• Classification conditions are not met due to lack of relevant data.
Germ cell mutagenicity:	• Classification conditions are not met due to lack of relevant data.
Carcinogenicity:	• Due to lack of relevant data, classification conditions are not met.
Reproductive toxicity:	• Classification conditions are not met due to lack of relevant data.
Target Organ System Toxicity - Single Exposure:	• Classification conditions are not met due to lack of relevant data.
Target Organ System Toxicity - Repeated exposure:	• Classification conditions are not met due to lack of relevant data.
Aspiration hazard:	• Due to the lack of relevant data, the classification conditions are not met. • Based on the physical properties of this substance, the product is not inhaled.
Skin	• No irritation.
Eyes	• No irritating effects.
Sensitization:	• No known sensitization effects.
More information on toxicants:	• To the best of our knowledge, this chemical, physical and toxic nature has not been fully investigated.

12. ECOLOGICAL INFORMATION

Ecotoxicity	
Aquatic toxicity:	• Classification conditions are not met due to lack of relevant data.
Persistence and degradability:	• No relevant details.
Persistence and degradability:	• No relevant details.
Mobility in soil:	• No relevant details.
Additional ecological information: General notes:	• Water Hazard Level 1 (German Regulation) (self-assessment by list): Slightly hazardous to water Avoid undiluted or large quantities of product entering groundwater, sewers or sewage

	systems. · There are no relevant details for other adverse effects.

13. WASTE DISPOSAL METHODS

Recommendation:	● Recommendation: The product must be pre-treated in accordance with the Regulations on the Disposal of Particularly Hazardous Waste and the incineration of the Product into the disposal of waste ● In the furnace . . . small amounts of product and household waste can be discarded together. Any disposal method should comply with national/regional/provincial/local regulations. Contaminated containers and packaging: ● · Recommendation: Completely empty the contaminated packaging and reuse it after a complete and correct cleaning. All disposal operations must comply with local regulations. Regulations may vary in different regions.
	●

14. TRANSPORT INFORMATIONS

United Nations No.

ADR, ADN, IMDG, IATA unclassified/or unregulated
· United Nations Transport Name
· ADR, ADN, IMDG, IATA unclassified/or unregulated
· Classification of transport hazards
· ADR, ADN, IMDG, IATA
· Levels are not classified/or regulated
· Package category
· ADR, IMDG, IATA unclassified/or unregulated
· Environmental hazards:
· Marine pollutants (Yes/No): No
· Special shipping methods and precautions: Not applicable
· UN "Standard Provisions": Unclassified/unregulated.

15. REGULATORY INFORMATION

Detailed instructions on safety, health and environmental regulations when the product is in doubt.

Applicable Regulations: Occupational Safety and Health Law Hazardous Chemicals Marking and General Rules CNS15030 Chemical Classification and Marking Standards for Permissibility Exposure in Labour Workplaces Business waste storage and removal treatment methods and facilities standards Occupational safety health facilities rules · Chemical Safety Evaluation: Chemical Safety Evaluation Has Not Been Conducted

Other data	
References	• Network information silicone resin material safety data sheet. 2. Labour Committee GHS CD-ROM.