



**FFE-200 Fairing & Bonding Epoxy Base Resin
Safety Data Sheet**

1. Identification

Product Name: FFE-200 Fairing & Bonding Epoxy Base Resin
Synonyms: N/A
CAS Number: Mixture
Product Use: Marine Deck Fairing/Bonding
Manufacturer/Supplier: Teakdecking Systems, Inc.
Address: 7061 15th Street East
 Sarasota, Florida 34243 USA
Business Phone: +1 941 756-0600
Emergency Phone: +1 941 756-0600

2. Hazards Identification

GHS Classification:

<i>Health</i>	<i>Environmental</i>	<i>Physical</i>
<i>Eye Irritant – Category 2B</i> <i>Skin Irritant - Category 2</i> <i>Skin Sensitizer – Category 1</i>		

GHS Label:



Warning

GHS Hazard Statements:

- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H320 Causes eye irritation.
- H411 Toxic to aquatic life with long-lasting effects.

GHS Precautionary Statements:

- P273 Avoid release to the environment.
- P264 Wash hands thoroughly after handling.
- P273 Avoid release to the environment.
- P280 Wear protective gloves, protective clothing, and eye protection.
- P302+P352 IF ON SKIN: Wash with plenty of soap and water.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
- P333+P313 IF skin irritation or rash occurs: get medical advice.
- P337+P313 IF eye irritation persists get medical advice.

3. Composition / Information on Ingredients

<i>Component</i>	<i>CAS Number</i>	<i>Weight %</i>
<i>Reaction Products of Epichlorohydrin and Bisphenol A</i>	<i>25085-99-8</i>	<i>55%</i>
<i>Reaction Product: Bisphenol F/Epichlorohydrin/co-Formaldehyde</i>	<i>28064-14-4</i>	<i>10%</i>
<i>Alkyl Glycidyl Ether</i>	<i>68609-97-2</i>	<i>8%</i>

*The remaining ingredients are omitted under the Confidential Business Information (CBI) rules.
(See Section 8 for Exposure Limits)*

4. First Aid Measures

- Eye:** Eye irritation. Flush immediately with large amounts of water for at least 15 minutes. Eyelids should be held away from the eyeball to ensure thorough rinsing.
- Skin:** Contact should cause no more than minor irritation. Wash skin thoroughly with soap and water. Seek medical attention if irritation persists. Wash contaminated clothing before reuse.
- Inhalation:** Vapors are unlikely due to physical properties unless heated to high temperatures.
- Ingestion:** No hazards anticipated from ingestion incidental to industrial exposure.

5. Fire Fighting Measures

- Suitable Extinguishing Media:** Use dry chemical, foam, or carbon dioxide to extinguish fire. Water may be ineffective but should be used to cool fire-exposed containers, structures, and to protect personnel. Use water to dilute spills and to flush spills away from sources of ignition.
- Unusual Fire and Explosion Hazards:** N/A
- Combustion Products:** Irritating or toxic substances may be emitted upon thermal decomposition. Thermal decomposition products may include phenolics, carbon monoxide, and water.
- Precautions for Fire Fighters:** Exposed firefighters must wear NIOSH-approved positive pressure self-contained breathing apparatus with full-face mask and full protective clothing.

6: Accidental Release Measures

Small Spills: Take up with sand or other absorbent material and place into containers for disposal.

Large Spills: Dike far ahead of liquid spill for disposal. Do not flush to sewer or waterways. Prevent release to the environment if possible.

7. Handling and Storage

Handling: Keep container closed. Do not get in eyes, on skin, or on clothing. Use good personal hygiene practices. Wash hands before eating, drinking, or smoking. Remove contaminated clothing and clean before re-use. Destroy contaminated belts, shoes, and other items that cannot be decontaminated.

Storage: Store in tightly closed containers in cool, dry, well-ventilated area. Store at ambient temperature and out of direct sunlight. Keep containers tightly closed and upright when not in use. Protect against physical damage. Keep from freezing.

8. Exposure Controls / Personal Protection

Exposure Limits: Not Established

Engineering Controls: N/A

Personal Protective Equipment (PPE)

Eye Protection: Wear chemical safety glasses.

Skin Protection: Avoid skin contact. Wear gloves impervious to conditions of use. Additional protection may be necessary to prevent skin contact including use of aprons, face shields, boots, or full body protection.

Respiratory Protection: None required

Work and Hygienic Practices: Provide readily accessible eye wash stations and safety showers. Wash at the end of each work shift and before eating, smoking, or using the toilet. Promptly remove clothing that becomes contaminated.

9. Physical and Chemical Properties

Appearance:	High viscosity red/brown liquid
Odor:	Slightly sweet
pH:	Slightly alkaline
Melting Point:	No Data
Boiling Point:	No Data
Flashpoint:	252°C (485°F)
Autoignition Temperature:	No Data
Lower Flammability Limit:	No Data
Upper Flammability Limit:	No Data
Vapor Pressure:	N/A
Vapor Density (Air=1):	No Data
Specific Gravity:	0.78
% Solubility in Water:	None
Pour Point:	N/A
Molecular Formula:	Mixture
Molecular Weight:	Mixture
Viscosity:	Thixotropic

10. Stability and Reactivity

Chemical Stability: Stable

Incompatibility (Materials to Avoid): Epoxy activators in large quantities, strong acids, strong bases, strong oxidizers, peroxides, amines, and alkalis.

Hazardous Decomposition Products (from burning, heating, or reaction with other materials): Phenolics, oxides of nitrogen, carbon monoxide, and carbon dioxide.

Hazardous Polymerization: Will not occur.

Conditions to Avoid (if polymerization may occur): Excessive heating over long periods of time degrades the resin.

11. Toxicological Information

Routes of Exposure:

Eye Contact

Skin Contact

Signs and Symptoms of Exposure (Acute Effects): Contact with the skin may cause allergic reaction in susceptible individuals. Contact with the eyes or skin causes mild eye and skin irritation, redness, and discomfort which is transient.

Signs and Symptoms of Exposure (Possible Long Term Effects): Except for skin sensitization, repeated exposures to low molecular weight epoxy resins of this type are not anticipated to cause any significant adverse effects.

Medical Conditions Generally Aggravated By Exposure:

Allergies

Eye disease

Skin disorders

Carcinogens under OSHA, ACGIH, NTP, IARC, Other: This product contains no carcinogens in concentrations of 0.1 percent or greater.

Target Organ Effects: N/A

Chronic Effects: N/A

Acute Toxicity Values:

Oral LD₅₀ (Rat) = 10000-11400 mg/kg

Dermal LD₅₀ (Rabbit) = No Data

Inhalation LC₅₀ (Rat) = No Data

12. Ecological Information

Ecotoxicity: No Data

Environmental Fate: No Data

Additional Information: Waste from this product may present long term environmental hazards, thus landfill disposal must be considered less acceptable than incineration.

13. Disposal Considerations

Comply with all federal, state, and local regulations.

14. Transport Information

DOT Non-Bulk Shipping Name: Resin Compound - Not Regulated

DOT Bulk Shipping Name: Refer To Bill of Lading

IMO Shipping Data: Refer To Bill of Lading

ICAO/IATA Shipping Data: Resin Compound - Not Regulated

15. Regulatory Information

U.S. Federal Regulations

Toxic Substances Control Act (TSCA): All components of this product are included on the TSCA inventory.

OSHA Hazard Communication Standard (29CFR1910.1200) Hazard Class(es): None

SARA Section 311/312 (40 CFR 370) Hazard Categories: None

European Inventory of Existing Chemicals (EINECS): All of the components of this product are included on EINECS.

16. Other Information

GLOBAL HARMONIZATION LABELING AND CLASSIFICATION:



Classification: Skin Irritation Category 2. Skin Sensitizer Category 1. Eye Irritant Category 2B. Hazardous to the aquatic environment, Acute, Category 2. Hazardous to the aquatic environment, Chronic, Category 2.

Signal Word: Warning

GHS Hazard Statements: H315 Causes skin irritation. H317 May cause an allergic skin reaction. H320 Causes eye irritation. H411 Toxic to aquatic life with long lasting effects.

GHS Precautionary Statements: P273 Avoid release to the environment. P264 Wash hands thoroughly after handling. P280 Wear protective gloves, protective clothing, and eye protection. P302+P352 IF ON SKIN: Wash with plenty of soap and water. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. P333+P313 If skin irritation or rash occurs: get medical advice. P337+P313 If eye irritation persists get medical advice.

EU 67/548/EEC LABELING AND CLASSIFICATION:

Risk Phrases: R36/38 Irritating to eyes and skin. R43 May cause sensitization by skin contact. R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety Phrases: S28 After contact with skin, wash immediately with plenty of water. S37 Wear suitable gloves. S39 Wear eye/face protection. S61 Avoid release to the environment. Refer to special instructions/safety data sheet.

Special Labelling: Contains epoxy constituents. See information supplied by the manufacturer.

National Fire Protection Association (NFPA) Ratings:

Health: 1

Flammability: 1

Reactivity: 0

This information is intended solely for the use of individuals trained in the NFPA system.

Disclaimer: The information contained herein is accurate to the best of our knowledge. My company makes no warranty of any kind, express or implied, concerning the safe use of this material in your process or in combination with other substances.