

SAFETY DATA SHEET



Date Prepared : 04/07/2014
SDS No : 125322

Superbond Epoxy Standard Curing Agent

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Superbond Epoxy Standard Curing Agent
GENERAL USE: Adhesive
PRODUCT CODE: 125322

MANUFACTURER

Fiberglass Coatings Inc.
4301A 34th Street North
St. Petersburg, FL 33714
Customer Service: (800) 272-7890
E-Mail: www.fgci.com
Emergency Contact: Chem-Tel
Emergency Phone: (800) 255-3924

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

Health:

Acute Toxicity (Dermal), Category 4
Skin Irritation, Category 2
Eye Irritation, Category 2B
Skin Sensitization, Category 1B
Acute Toxicity (Inhalation), Category 5

GHS LABEL



Exclamation
mark



Health
hazard

SIGNAL WORD: WARNING

HAZARD STATEMENTS

H317: May cause an allergic skin reaction.
H319: Causes serious eye irritation.
H315: Causes skin irritation.
H373: May cause damage to organs (state all organs affected, if known) through prolonged or repeated exposure (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).
H412: Harmful to aquatic life with long lasting effects.

PRECAUTIONARY STATEMENT(S)

Prevention:

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P272: Contaminated work clothing should not be allowed out of the workplace.

Response:

P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310: Immediately call a POISON CENTER/doctor.

Disposal:

1048ZK1E: Dispose of product and container according to Federal, State and local regulations.

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE: Amber paste.

IMMEDIATE CONCERNS: Material will be irritating to both the eyes and skin, fumes may cause headache and nausea.

POTENTIAL HEALTH EFFECTS

EYES: Corneal edema may give rise to a perception of "blue haze" or "fog" around lights. Exposed individuals may see rings around bright lights. This effect is temporary and has no known residual effect. Product vapor can cause glaucoma (corneal edema) when absorbed into the tissue of the eye from the atmosphere. Causes eye irritation.

SKIN: Harmful in contact with skin. If absorbed through the skin, may cause central nervous system effects, such as headache, nausea, dizziness, confusion, breathing difficulties. Causes skin irritation. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

SKIN ABSORPTION: Material may be absorbed through the skin and be harmful.

INGESTION: May cause central nervous system effects, such as headache, nausea, vomiting, abdominal pain, dizziness, confusion, breathing difficulties. Severe cases of overexposure can result in respiratory failure.

INHALATION: May cause central nervous system effects, such as headache, nausea, dizziness, confusion, breathing difficulties. Severe cases of overexposure can result in respiratory failure.

CARCINOGENICITY: This product contains no listed carcinogens according to IARC, ACGIH, NTP and/or OSHA in concentrations of 0.1 percent or greater.

MEDICAL CONDITIONS AGGRAVATED: Neurological disorders, Skin disorders, and Allergies. Eye disease.

TARGET ORGAN STATEMENT: Skin, Eyes, Central nervous system.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Polyamide Resin (Trade Secret)	30 - 60	N/A
Benzyl Alcohol	15 - 40	100-51-6
Mixed Cycloaliphatic Amines	10 - 30	N/A
Triethylenetetramine (TETA)	4	112-24-3
Tertiary Amine	3 - 7	N/A
Organic Acid	0.5 - 1.5	N/A
Non Hazardous Mineral Fillers	7.5 - 10	N/A

COMMENTS: The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses. If irritation persists seek immediate medical attention.

SKIN: Wash with soap and water. Remove and dispose of any contaminated clothing or shoes. Get medical attention if irritation develops or persists.

INGESTION: Aspiration hazard. If swallowed, Do NOT induce vomiting. If vomiting occurs, keep head below hips to prevent aspiration into lungs. Rinse mouth with water. Never give anything by mouth to an unconscious person. Call a physician immediately.

INHALATION: Move individual away from exposure and into fresh air. If breathing is stopped administer artificial respiration and immediately contact a physician. If breathing is difficult or irregular oxygen may be administered by trained medical personal. If symptoms persist seek medical attention.

NOTES TO PHYSICIAN: No specific treatment, treat symptomatically. Call medical doctor or poison control center immediately if large quantities have been ingested or inhaled.

ADDITIONAL INFORMATION: Application of corticosteroid cream has been effective in treating skin irritation.

5. FIRE FIGHTING MEASURES

FLAMMABLE CLASS: May be combustible at high temperature

EXTINGUISHING MEDIA: Alcohol-resistant foam. Carbon dioxide (CO₂). Dry chemical. Dry sand. Limestone powder.

HAZARDOUS COMBUSTION PRODUCTS: May form Ammonia gas, oxides of Carbon and Nitrogen, Noxious and Toxic fumes.

OTHER CONSIDERATIONS: Do not allow run-off from fire fighting to enter drains or water courses.

FIRE FIGHTING PROCEDURES: Evacuate any non-essential personnel. Extinguish all ignition sources if safe to do so. Use water to cool exposed containers and structures until fire is out. Avoid spreading burning material with water used for cooling purposes.

FIRE FIGHTING EQUIPMENT: Full Bunker gear (helmet with face shield, bunker coats, gloves and rubber boots), including a positive pressure, NIOSH approved, self-contained breathing apparatus (SCBA).

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Extinguish all nearby ignition sources. Stop leak if it can be done safely. Prevent from entering waterways and sewers. Absorb with non-combustible material and transfer into appropriate disposal container using non-sparking tools.

LARGE SPILL: Use a shovel to put the material in to a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

GENERAL PROCEDURES: Always ensure proper ventilation from any spill. Respirators or SCBA are required if permissible exposure limits are exceeded due to inadequate general ventilation. All spills should be contained as best as possible. All chemical spills should be assumed to be hazardous to the environment to ensure safety.

7. HANDLING AND STORAGE

HANDLING: Do not use sodium nitrite or other nitrosating agents in formulations containing this product. Suspected cancer-causing nitrosamines could be formed. Emergency showers and eye wash stations should be readily accessible. Adhere to work practice rules established by government regulations. Avoid contact with eyes. Use personal protective equipment. When using, do not eat, drink or smoke.

STORAGE: Do not store near acids. Keep away from alkalis. Store in steel containers preferably located outdoors, above ground, and surrounded by dikes to contain spills or leaks. Keep containers tightly closed in a dry, cool and well-ventilated place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)				
Chemical Name	EXPOSURE LIMITS			
	Type		ppm	mg/m ³
Benzyl Alcohol	OSHA PEL	TWA	10	44
Triethylenetetramine (TETA)	OSHA PEL	TWA	1	6
Non Hazardous Mineral Fillers	OSHA PEL	TWA		6
	ACGIH TLV	TWA	[1]	10 [1]
Footnotes:				
1. Inhalable				

ENGINEERING CONTROLS: Provide ventilation or other engineering controls to keep the airborne concentrations of vapor or mists below the applicable workplace exposure limits (PEL/TLV). Any installed emergency eye wash station or safety showers should be located near the work area.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Chemical splash goggles and/or face shield. Always use proper eye protection around the work area.

SKIN: Wear impermeable gloves. Clothing should limit skin exposure. Gloves contaminated with product should be discarded. Promptly remove clothing that becomes soiled with product. Maintain eyewash and shower station near work area in case of exposure.

RESPIRATORY: Vapor respirator may be required if exposure limits are exceeded. Use a NIOSH approved respirator or equivalent when required. Proper mechanical ventilation should be installed to ensure the exposure levels are below the allowable thresholds (PEL/TLV).

PROTECTIVE CLOTHING: Long sleeve shirts and trousers without cuffs. Impervious clothing.

WORK HYGIENIC PRACTICES: Never eat or drink in areas where the chemical is being used. Wash hands after handling to limit exposure.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Paste.

ODOR: Ammonia like odor.

ODOR THRESHOLD: No data available.

APPEARANCE: Amber paste.

pH: Alkaline

PERCENT VOLATILE: N/A = Not Applicable

FLASH POINT AND METHOD: 117°C (240°F) Closed Cup

FLAMMABLE LIMITS: No data available.

AUTOIGNITION TEMPERATURE: No data available.

VAPOR PRESSURE: 3 mm Hg @ 20 C

VAPOR DENSITY: No data available.

BOILING POINT: > 177°C (351°F)

FREEZING POINT: No data available.

MELTING POINT: No data available.

SOLUBILITY IN WATER: Slightly soluble

EVAPORATION RATE: No data available.

SPECIFIC GRAVITY: 1.02 (Water = 1)

VISCOSITY: No data available.

(VOC): No data available.

10. STABILITY AND REACTIVITY

REACTIVITY: Yes

HAZARDOUS POLYMERIZATION: Under normal conditions of use, hazardous reactions will not occur.

CONDITIONS TO AVOID: Avoid all unplanned contact with strong reactive chemicals including Acids, Bases, Oxidizers and Amines

HAZARDOUS DECOMPOSITION PRODUCTS: Nitric acid. Ammonia Nitrogen oxides (NO_x). Nitrogen oxide can react with water vapors to form corrosive nitric acid. Carbon monoxide. Carbon dioxide(CO₂). Aldehydes. Flammable hydrocarbon fragments. Organic acid vapors. Nitrosamine.

INCOMPATIBLE MATERIALS: Amines. Incompatible with bases. Reducing agents. CAUTION! N-Nitrosamines, many of which are known to be potent carcinogens, may be formed when the product comes in contact with nitrous acid, nitrites or atmospheres with high nitrous oxide concentrations. Nitrous acid and other nitrosating agents. Reactive metals (e.g. sodium, calcium, zinc etc.). Materials reactive with hydroxyl compounds. Reaction with peroxides may result in violent decomposition of peroxide possibly creating an explosion. Sodium hypochlorite. Organic acids (i.e. acetic acid, citric acid etc.). Mineral acids. Product slowly corrodes copper, aluminum, zinc and galvanized surfaces. Oxidizing agents.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

Chemical Name	ORAL LD ₅₀ (rat)	DERMAL LD ₅₀ (rabbit)	INHALATION LC ₅₀ (rat)
Benzyl Alcohol	1230 mg / kg (Rat)	2000 mg / kg (Rabbit)	> 4.178 mg/L (4h) aerosol (Rat)
Mixed Cycloaliphatic Amines		> 1000 mg / kg	
Triethylenetetramine (TETA)	2500 mg / kg (Rat)	550 mg / kg (Rabbit)	
Tertiary Amine		1242 mg / kg (dermal Rabbit)	
Non Hazardous Mineral Fillers	> 5000 mg / kg (Rat)	> 5000 mg / kg (dermal Rabbit)	2.08 mg/L (4h)

INHALATION LC₅₀: 2020 mg/kg (Rat)

Notes: No data is available on the product itself.

RESPIRATORY OR SKIN SENSITISATION: Dermal sensitization to this product or component has been seen in some humans. The results of a test on guinea pigs showed this substance to be a weak skin sensitizer. Sensitization has occurred in laboratory animals after repeated exposures.

CARCINOGENICITY

NOTES: No effects of carcinogenicity were noted in a two years study with rats and mice.

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: Do NOT discharge into sewers or waterways.

BIOACCUMULATION/ACCUMULATION: Low bioaccumulation potential.

AQUATIC TOXICITY (ACUTE): Values for: Benzyl alcohol (CAS# 1000-51-6)

96-HOUR LC₅₀: 460 mg / L (Fathead Minnow)

96-HOUR EC₅₀: 700 mg/L (Algae)

Notes: No data is available on the product itself.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Disposal should be in accordance with all Federal, State, and local regulations. Empty containers may still be considered dangerous due to residual vapors/liquid/dust.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Not Regulated by DOT

PRIMARY HAZARD CLASS/DIVISION: Not Listed.

ROAD AND RAIL (ADR/RID)

PROPER SHIPPING NAME: Not Dangerous Goods

AIR (ICAO/IATA)

SHIPPING NAME: Not Dangerous Goods

VESSEL (IMO/IMDG)

SHIPPING NAME: Not Dangerous Goods

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HAZARD CATEGORIES: Immediate (acute) Health Hazard, Chronic (Delayed) Health Hazard.

FIRE: No **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** Yes **CHRONIC:** Yes

313 REPORTABLE INGREDIENTS: None required.

TSCA (TOXIC SUBSTANCE CONTROL ACT)

TSCA REGULATORY: All items are TSCA listed

CALIFORNIA PROPOSITION 65: This product contains no listed substances known to the State of California to cause cancer, birth defects or other reproductive harm, at levels which would require a warning under the statute.

OSHA HAZARD COMM. RULE: Irritant. Sensitizer.

CANADA

WHMIS CLASS: Class D-2A: Very toxic material causing other toxic effects

Class D-2B: Toxic material causing other toxic effects

DOMESTIC SUBSTANCE LIST (INVENTORY): All components are listed.

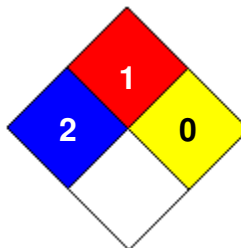
16. OTHER INFORMATION

PREPARED BY: BC **Date Prepared:** 04/07/2014

HMIS RATING

HEALTH	<input type="checkbox"/>	2
FLAMMABILITY	<input type="checkbox"/>	1
PHYSICAL HAZARD	<input type="checkbox"/>	0
PERSONAL PROTECTION	<input type="checkbox"/>	

NFPA CODES



HMIS RATINGS NOTES: The customer is responsible for determining the PPE code for this material.

MANUFACTURER DISCLAIMER: This information is compiled from sources believed reliable as of the date of issue, it is provided in good faith and correct to the best of our knowledge. No warranty, guarantee, or representation is made as to the sufficiency of the information for the safe use of the product nor to relieve the end user of their own Federal, State, and local regulatory compliance requirements.