

**SAFETY DATA SHEET**

Safety Data Sheet



Date Prepared : 12/06/2016

SDS No : 125231

**Non-Corrosive Epoxy Curing Agent 1:1****1. PRODUCT AND COMPANY IDENTIFICATION**

**PRODUCT NAME:** Non-Corrosive Epoxy Curing Agent 1:1  
**GENERAL USE:** Liquid Polyamide Type Epoxy Curing Agent  
**PRODUCT CODE:** 125231

**MANUFACTURER**

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

**2. HAZARDS IDENTIFICATION****GHS CLASSIFICATIONS**

Skin Irritation, Category 2  
 Eye Irritation, Category 2  
 Skin Sensitization, Category 1

**GHS LABEL**

Exclamation  
mark



Health  
hazard

**SIGNAL WORD:** DANGER**HAZARD STATEMENTS**

H320: Causes eye irritation.  
 H312: Harmful in contact with skin.  
 H315: Causes skin irritation.  
 H317: May cause an allergic skin reaction.  
 H333: May be harmful if inhaled.

**PRECAUTIONARY STATEMENT(S)****Prevention:**

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

P261: Avoid breathing dust, fumes, gas, mist, vapors, spray.

P264: Wash skin thoroughly after handling.

**Response:**

P305+P351+P338: If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

P337+P313: If eye irritation persists: Get medical advice/attention.

P302+P352: If on skin; Wash with plenty of water.

P333+P313: If skin irritation or rash occurs: Get medical advice/attention.

P362: Take off contaminated clothing.

P304+P312: If inhaled: Call a Poison Control center or a doctor...if you feel unwell.

**Disposal:**

P501: Dispose of contents/container to an approved waste disposal facility.

**EMERGENCY OVERVIEW**

**PHYSICAL APPEARANCE:** Amber to Red colored syrup

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

**POTENTIAL HEALTH EFFECTS**

**EYES:** Causes eye irritation.

**SKIN:** Exposure can cause an allergic skin rash. Prolonged exposure can also cause dermatitis.

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

**INGESTION:** Not expected in industrial use.

**INHALATION:** May be irritating to the respirator tract. May cause dizziness and drowsiness if vapors are inhaled.

**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

**COMMENTS:**

**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. If medical care is not promptly available, continue to irrigate for one hour.

**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.

## 5. FIRE FIGHTING MEASURES

**FLAMMABLE CLASS:** May be combustible at high temperature.

**EXTINGUISHING MEDIA:** Alcohol-resistant foam. Carbon dioxide (CO<sub>2</sub>). Dry chemical. Dry sand. Limestone powder.

**HAZARDOUS COMBUSTION PRODUCTS:** May form Ammonia gas, oxides of Carbon and Nitrogen, Noxious and Toxic fumes. Incomplete combustion may form carbon monoxide.

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

**FIRE FIGHTING PROCEDURES:** Evacuate the area immediately. Only trained personnel should fight any industrial or chemical fire.

**FIRE FIGHTING EQUIPMENT:** Firefighters should wear full protective clothing including self contained breathing apparatus.

**FIRE EXPLOSION:** None Expected.

## 6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** For small liquid spills, transfer by mechanical means to a labeled, sealable container for product recovery or safe disposal. Allow residues to evaporate or soak up with an appropriate absorbent material and dispose of safely. Remove contaminated soil and dispose of safely.

**LARGE SPILL:** Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, and waterways. After donning Personal Protective Equipment take up spillage with appropriate mechanical means and contain, also collect spillage with absorbent materials such as rags, sand, earth, or vermiculite and place in container for disposal according to all Federal, State, and local regulations

**GENERAL PROCEDURES:** Always ensure proper ventilation from any spill. NIOSH respirators or SCBA are required if permissible exposure limits are exceeded due to inadequate general ventilation. Evacuate personnel to a safe area. Special attention should be given to low areas/pits where flammable vapors can accumulate.

## 7. HANDLING AND STORAGE

**GENERAL PROCEDURES:** Store in a dry place away from direct sunlight. Use P.P.E. suitable for your situation.

**HANDLING:** Do not ingest or breathe vapors/fumes/dust. Avoid contact with eyes and skin. Always wear proper PPE when handling. Provide sufficient ventilation. Respirator may be required if insufficiently ventilated.

**STORAGE:** Keep away from sources of ignition. Store in a cool place in the original container and protect from sunlight. Keep containers tightly closed.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**EXPOSURE GUIDELINES**

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)				
EXPOSURE LIMITS				
Chemical Name	Type		ppm	mg/m <sup>3</sup>
Benzyl Alcohol	OSHA PEL	TWA	10	44
Triethylenetetramine (TETA)	OSHA PEL	TWA	1	6

**ENGINEERING CONTROLS:** Provide ventilation or other engineering controls to keep the airborne concentrations of vapors 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 eye wash 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 exposure.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**PHYSICAL STATE:** Liquid.

**ODOR:** Ammonia like odor.

**APPEARANCE:** Viscous Liquid

**COLOR:** Amber to Red color

**pH:** 10

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

**FLAMMABLE LIMITS:** Not Applicable

**AUTOIGNITION TEMPERATURE:** No data available.

**VAPOR PRESSURE:** 3 mm Hg @ 20 C.

**VAPOR DENSITY:** > 1

**BOILING POINT:** > 177°C (351°F)

**FREEZING POINT:** Not Applicable.

**MELTING POINT:** No data available.

**SOLUBILITY IN WATER:** Slightly soluble.

**EVAPORATION RATE:** No data available.

**DENSITY:** ~ 8.45 lb / gallon at 21°C (70°F) 1.01 g/cm<sup>3</sup>

**SPECIFIC GRAVITY:** 1.01 (Water = 1)

**(VOC):** No Listed VOC's

## 10. STABILITY AND REACTIVITY

**REACTIVITY:** Yes

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

**CONDITIONS TO AVOID:** Avoid contact with incompatible materials, air, heat, flame and sparks.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Nitric acid, Ammonia, Nitrogen oxides (NO<sub>x</sub>), Carbon monoxide, Carbon dioxide (CO<sub>2</sub>), Aldehydes, Flammable hydrocarbon fragments, Organic acid vapors, Nitrosamine.

**INCOMPATIBLE MATERIALS:** Avoid all unplanned contact with strong reactive chemicals, Acids, Bases, Aliphatic Amines, Oxidizers and Reactive Metals (Aluminum, Magnesium, etc.).

## 11. TOXICOLOGICAL INFORMATION

### ACUTE TOXICITY

Chemical Name	ORAL LD <sub>50</sub> (rat)	DERMAL LD <sub>50</sub> (rabbit)	INHALATION LC <sub>50</sub> (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)	

**INHALATION LC<sub>50</sub>:** 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 LC<sub>50</sub>:** 460 mg / L (Fathead Minnow)

**Notes:** No data is available on the product itself.

**COMMENTS:** Benzyl Alcohol Toxicity to Algae IC 50 (72h) 700 mg/l

## 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Disposal should be in accordance with all Federal, State, and local regulations. Do not allow this product to

enter drains, water courses, or the soil. 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 for transport

##### 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:** Chronic Health Hazard.

**FIRE:** No test data available. **PRESSURE GENERATING:** No test data available. **REACTIVITY:** No test data available.  
**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 (WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM):** Trade Secret Registry # 7346

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

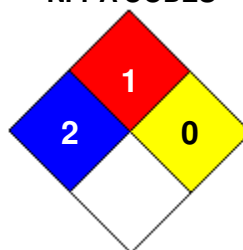
#### 16. OTHER INFORMATION

**PREPARED BY:** RD **Date Prepared:** 12/06/2016

##### HMIS RATING

HEALTH	*	2
FLAMMABILITY		1
PHYSICAL HAZARD		0
PERSONAL PROTECTION		

##### 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.