

Kit# 135362

**SAFETY DATA SHEET**

Date Issued : 4/7/2014

SDS No : 125515

**Superbond Epoxy Resin****1. PRODUCT AND COMPANY IDENTIFICATION****PRODUCT NAME:** Superbond Epoxy Resin**GENERAL USE:** Adhesive**PRODUCT CODE:** 125515**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**24 HR. EMERGENCY TELEPHONE NUMBERS**

Chem-Tel (800) 255-3924

**2. HAZARDS IDENTIFICATION****GHS CLASSIFICATIONS****Health:**

Eye Irritation, Category 2

Skin Irritation, Category 2

Skin Sensitization, Category 1

Acute Toxicity (Dermal), Category 5

Acute Toxicity (Oral), Category 5

**Environmental:**

Aquatic Toxicity (Acute), Category 2

Aquatic Toxicity (Chronic), Category 2

**GHS LABEL**Exclamation  
mark

Environment

**SIGNAL WORD:** WARNING**HAZARD STATEMENTS**

H320: Causes eye irritation.

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H303: May be harmful if swallowed.

H411: Toxic to aquatic life with long lasting effects.

**Kit# 135362****PRECAUTIONARY STATEMENT(S)****Prevention:**

P280: Wear protective gloves, protective clothing, eye protection and face protection.  
 P261: Avoid breathing fumes, dust, vapors, gases, or spray.  
 P272: Contaminated work clothing should not be allowed out of the workplace.  
 P264: Wash skin thoroughly after handling.  
 P273: Avoid release to the environment.

**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.  
 P302+P352: IF ON SKIN: Wash with plenty of soap and water.  
 P333+P313: If skin irritation or rash occurs: Seek medical attention.  
 P362: Take off contaminated clothing and wash before reuse.  
 P312: Call a POISON CENTER or physician if you feel unwell.  
 P321: Specific treatment (see Section 4: First Aid).  
 P391: Collect spillage.

**Disposal:**

P501: Dispose of container and its contents in accordance with all Federal, State, and local regulations.

**EMERGENCY OVERVIEW**

**PHYSICAL APPEARANCE:** White Paste.

**IMMEDIATE CONCERNS:** Skin, eye and possible throat irritation. Can cause skin sensitization.

**POTENTIAL HEALTH EFFECTS**

**EYES:** Can cause eye irritation. Symptoms include: stinging, tearing, redness, and swelling of the eyes.

**SKIN:** Can cause skin irritation. Prolonged or repeated contact may cause sensitization. Symptoms include redness, burning, and drying and cracking of skin, burns and other skin damage.

**INGESTION:** Minimal risk from ingestion during normal industrial use.

**INHALATION:** May cause allergic reaction.

**ROUTES OF ENTRY:** Inhalation, ingestion, skin and eye contact.

**CANCER STATEMENT:** Not classified as a carcinogen by the International Agency for Research of Cancer (IARC), the National Toxicology Program (NTP), or the Occupational Safety and Health Administration (OSHA).

**SENSITIZATION:** Repeated contact with this material can cause sensitization.

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

Chemical Name	Wt.%	CAS
Bisphenol A/epichlorohydrin Resin	> 50	25068-38-6
Proprietary Epoxy Resin	< 30	XXXXXX
Oxirane, Mono[(c12-14-alkyloxy)methyl] Derivs.	< 10	68609-97-2
Non Hazardous Fillers	< 10	XXXXXX

**COMMENTS:** An alternative CAS number for Bisphenol A is 25085-99-8.

**4. FIRST AID MEASURES**

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**EYES:** Flush eyes with water for at least 15 minutes, holding eyelids open. Remove contact lenses if present and easy to do so. Seek immediate medical attention.

**SKIN:** Remove contaminated clothing. Flush exposed area with large amounts of water. If skin is damaged, seek immediate medical attention. If skin is not damaged and symptoms persist, seek medical attention. Launder clothing before reuse.

**INGESTION:** Ingestion of this product is unlikely. Do NOT INDUCE VOMITING. Obtain medical attention. If necessary, remove stomach contents by gastric suction or vomiting, avoid aspiration of vomit.

**INHALATION:** If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention.

**NOTES TO PHYSICIAN:** If skin sensitization has developed and a causal relationship has been confirmed, further exposure should not be allowed.

**ANTIDOTES:** No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

**5. FIRE FIGHTING MEASURES**

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

**GENERAL HAZARD: Unusual Fire and Explosion Hazards:** Container may rupture from gas generation in a fire situation. Violent steam generation or eruption may occur upon application of direct water stream to hot liquids. Dense smoke is emitted when burned without sufficient oxygen.

**EXTINGUISHING MEDIA:** Use dry chemical, CO<sub>2</sub>, water spray/fog (not jet), or foam

**HAZARDOUS COMBUSTION PRODUCTS:** Carbon Oxides, Phenolics.

**OTHER CONSIDERATIONS:** The product is not in the flammable range, but will burn. Carbon monoxide possible where incomplete combustion occurs.

**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.

**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:** Avoid prolonged or repeated contact with skin. Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling. Electric band heaters can be used to warm material but should not be left unattended. Warming to a maximum of 160F is recommended.

**STORAGE:** Store container in a cool, well-ventilated approved area. Keep container away from sparks and other ignition sources. Keep container tightly closed until ready to use.

**STORAGE TEMPERATURE:** 2°C (35°F) Minimum to 43°C (109°F) Maximum

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**Notes:** Material may crystallize during prolonged storage. Material can be warmed up to (160F) to dissolve crystals and used as recommended.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION****EXPOSURE GUIDELINES**

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)							
			EXPOSURE LIMITS				
			OSHA PEL		ACGIH TLV		
Chemical Name			ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	
Bisphenol A/epichlorohydrin Resin			<b>TWA</b>	N/E [1]	[1]	N/E	
Oxirane, Mono[(c12-14-alkyloxy)methyl] Derivs.			<b>TWA</b>	N/E [1]	[1]	N/E	
<b>Footnotes:</b>							
1. N/E = Not Established							

**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:** Not normally required. In the event of an inhalation risk, use with local exhaust ventilation. If this is not practicable wear a half mask respirator Vapor respirator may be required if exposure limits are exceeded.

**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:** Slight Odor.

**APPEARANCE:** White Paste.

**pH:** No data available.

**PERCENT VOLATILE:** No data available.

**FLASH POINT AND METHOD:** > 200°C (390°F) Closed Cup

**FLAMMABLE LIMITS:** No data available.

**AUTOIGNITION TEMPERATURE:** No data available.

**VAPOR PRESSURE:** < 1 mm Hg

**VAPOR DENSITY:** > 1

**BOILING POINT:** No data available.

**FREEZING POINT:** No data available.

**MELTING POINT:** No data available.

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**SOLUBILITY IN WATER:** No data available.

**EVAPORATION RATE:** No data available.

**SPECIFIC GRAVITY:** 1.16 (Water = 1)

**VISCOSITY:** No data available.

**(VOC):** No data available.

**10. STABILITY AND REACTIVITY**

**STABLE:** Yes

**HAZARDOUS POLYMERIZATION:** No

**STABILITY:** This product is stable under normal conditions of storage and use.

**POLYMERIZATION:** Will not occur.

**CONDITIONS TO AVOID:** Avoid contact with incompatible materials and ignition sources / heat.

**POSSIBILITY OF HAZARDOUS REACTIONS:** Polymerization will not occur by itself. Masses of more than one pound (0.5 kg) of product plus an aliphatic amine will cause irreversible polymerization with considerable heat build-up.

**INCOMPATIBLE MATERIALS:** Avoid all unplanned contact with strong reactive chemicals, Acids, Bases, Aliphatic Amines, and Oxidizers.

**11. TOXICOLOGICAL INFORMATION****ACUTE**

Chemical Name	ORAL LD <sub>50</sub> (rat)	DERMAL LD <sub>50</sub> (rabbit)
Bisphenol A/epichlorohydrin Resin	> 5000 mg / kg (Rat)	> 20000 mg / kg (Rabbit)
Oxirane, Mono[(c12-14-alkyloxy)methyl] Derivs.	17100 mg / kg (Rat)	> 4000 mg / kg (Rabbit)

**EYE EFFECTS:** Eye irritant

**SKIN EFFECTS:** Skin Irritant, Sensitizer.

**CARCINOGENICITY**

**Notes:** Not considered carcinogenic by OSHA, NTP, or IARC.

**12. ECOLOGICAL INFORMATION**

**ENVIRONMENTAL DATA:** Moderately toxic to fish, not biodegradable, potential to bioaccumulate.

**ECOTOXICOLOGICAL INFORMATION:** DO NOT discharge into sewer or waterways.

**BIOACCUMULATION/ACCUMULATION:** Not readily biodegradable. Moderate potential to bioaccumulate (log Pow in the range 3-5).

**AQUATIC TOXICITY (ACUTE):** Material is moderately toxic to aquatic organisms on an acute basis (LC<sub>50</sub>/EC<sub>50</sub> between 1 and 10 mg/L in the most sensitive species tested).

**96-HOUR LC<sub>50</sub>:** 2 mg/L (Trout)

**48-HOUR EC<sub>50</sub>:** 1.8 mg/L (Daphnia Magna)

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96-HOUR EC<sub>50</sub>: 11 mg/L (Algae)

Notes: Material is a Marine Pollutant.

**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:** Environmentally hazardous substance, liquid, n.o.s. (BISPHENOL A-EPICHLOROHYDRIN RESIN)

**PRIMARY HAZARD CLASS/DIVISION:** 9

**UN/NA NUMBER:** UN3082

**PACKING GROUP:** III

**ROAD AND RAIL (ADR/RID)**

**PROPER SHIPPING NAME:** Not Regulated by DOT

**AIR (ICAO/IATA)**

**SHIPPING NAME:** Environmentally hazardous substances, solid, n.o.s.

**TECHNICAL NAME:** Epoxy Resin

**UN/NA NUMBER:** 3077

**PRIMARY HAZARD CLASS/DIVISION:** 9

**PACKING GROUP:** III

**VESSEL (IMO/IMDG)**

**SHIPPING NAME:** Environmentally hazardous substances, solid, n.o.s.

**TECHNICAL NAME:** Epoxy Resin

**UN/NA NUMBER:** 3077

**PRIMARY HAZARD CLASS/DIVISION:** 9

**PACKING GROUP:** III

**EmS:** F-A,S-F

**MARINE POLLUTANT #1:** Listed.

**COMMENTS:** Marine Pollutant; Epichlorohydrin

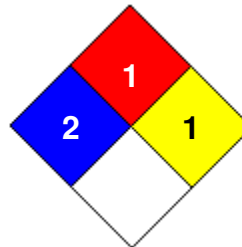
**15. REGULATORY INFORMATION****UNITED STATES****SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)**

**311/312 HAZARD CATEGORIES:** Immediate (Acute) health hazard.

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

**Kit# 135362****313 REPORTABLE INGREDIENTS:** None required.**302/304 EMERGENCY PLANNING****EMERGENCY PLAN:** None required**CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)****CERCLA REGULATORY:** None required.**TSCA (TOXIC SUBSTANCE CONTROL ACT)****TSCA STATUS:** All Components listed.**CALIFORNIA PROPOSITION 65:** This product contains a chemical known to the state of California to cause cancer and birth defects or other reproductive harm. Epichlorohydrin 106-89-8**OSHA HAZARD COMM. RULE:** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200**CANADA****WHMIS (WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM):** Class D-2B: Toxic material causing other toxic effects.**16. OTHER INFORMATION****PREPARED BY:** Fiberglass Coatings, Inc. (GS)**HMIS RATING**

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

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**SAFETY DATA SHEET**

Date Issued : 4/7/2014  
SDS No : 125323

**Superbond Epoxy Standard Curing Agent****1. PRODUCT AND COMPANY IDENTIFICATION**

**PRODUCT NAME:** Superbond Epoxy Standard Curing Agent  
**GENERAL USE:** Adhesive  
**PRODUCT CODE:** 125323

**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****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

**SIGNAL WORD:** WARNING**HAZARD STATEMENTS**

H312: Harmful in contact with skin.  
H315: Causes skin irritation.  
H320: Causes eye 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 and face protection.



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P261: Avoid breathing fumes, dust, vapors, gases, or spray.

P264: Wash skin thoroughly after handling.

**Response:**

P302+P352: IF ON SKIN: Wash with plenty of soap and water.

P333+P313: If skin irritation or rash occurs: Seek medical attention.

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.

P304+P312: IF INHALED: Call a POISON CENTER or physician if you feel unwell.

P362: Take off contaminated clothing and wash before reuse.

**Disposal:**

P501: Dispose of container and its contents in accordance with all 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

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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 (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.

**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.

**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.

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

## EXPOSURE GUIDELINES

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

**Kit# 135362****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****STABLE:** Yes**HAZARDOUS POLYMERIZATION:** No**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<sub>x</sub>). Nitrogen oxide can react with water vapors to form corrosive nitric acid. Carbon monoxide. Carbon dioxide(CO<sub>2</sub>). 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**

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)	
Non Hazardous Mineral Fillers	> 5000 mg / kg (Rat)	> 5000 mg / kg (dermal Rabbit)	2.08 mg/L (4h)

**INHALATION LC<sub>50</sub>:** 2020 mg/kg (Rat)**Notes:** No data is available on the product itself.**EYE EFFECTS:** Eye irritant**SKIN EFFECTS:** Skin Irritant, Sensitizer.

**Kit# 135362****CARCINOGENICITY**

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

**SENSITIZATION:** 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.

**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)

**96-HOUR EC<sub>50</sub>:** 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,

**Kit# 135362**

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

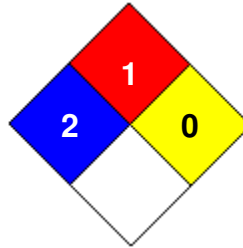
**DOMESTIC SUBSTANCE LIST (INVENTORY):** All components are listed.

**16. OTHER INFORMATION**

**PREPARED BY:** BC

**HMIS RATING**

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