

# SAFETY DATA SHEET



Date Issued : 2/27/2015

SDS No : 128796  
Kit# 137639

## Polyester, Low-Profile Resin, Gallon Kit

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Polyester, Low-Profile Resin, Gallon Kit  
**PRODUCT CODE:** 128796

#### 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:

Skin Irritation, Category 2  
Eye Irritation, Category 2A  
Acute Toxicity (Inhalation), Category 5  
Acute Toxicity (Oral), Category 5

##### Environmental:

Aquatic Toxicity, Category 2

##### Physical:

Flammable Liquids, Category 3

#### GHS LABEL



Flame



Exclamation  
mark

**SIGNAL WORD:** WARNING

#### HAZARD STATEMENTS

H226: Flammable liquid and vapor.  
H315: Causes skin irritation.  
H319: Causes serious eye irritation.  
H333: May be harmful if inhaled.  
H303: May be harmful if swallowed.

H401: Toxic to aquatic life.

## PRECAUTIONARY STATEMENT(S)

### Prevention:

- P202: Do not handle until all safety precautions have been read and understood.
- P210: Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
- P223: Keep away from any possible contact with water, because of violent reaction and possible flash fire.
- P240: Ground/bond container and receiving equipment.
- P241: Use explosion-proof electrical/ventilating/lighting equipment.
- P280: Wear protective gloves/protective clothing/eye protection/face protection.
- P264: Wash skin thoroughly after handling.
- P273: Avoid release to the environment.

### Response:

- P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P302+P352: IF ON SKIN: Wash with plenty of soap and water.
- P332+P313: If skin irritation occurs: Get medical advice/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/attention.
- P308+P313: IF exposed or concerned: Get medical advice/attention.

### Storage:

- P403+P235: Store in a well-ventilated place. Keep cool.

### Disposal:

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

## EMERGENCY OVERVIEW

**PHYSICAL APPEARANCE:** Clear, Colorless Liquid, Pungent Odor.

**IMMEDIATE CONCERNS:** **Flammable liquid and vapor.** Aspiration hazard if swallowed, may cause lung damage. May cause eye, skin, respiratory, and digestive tract irritation. May cause central nervous system depression (CNS). May cause reproductive and fetus effects. May cause cancer based on animal studies. Uninhibited material may form explosive peroxides.

## POTENTIAL HEALTH EFFECTS

**EYES:** Contact may cause eye irritation.

**SKIN:** May cause moderate to severe skin irritation. Prolonged exposure may cause skin burns.

**INGESTION:** May be harmful if swallowed. Symptoms include: gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration Hazard. Can cause chemical pneumonitis which can be fatal.

**INHALATION:** Breathing of high vapor concentrations may cause central nervous system (CNS) depression resulting in dizziness, light-headedness, headache, nausea and loss of coordination. Continued inhalation may result in unconsciousness and death. Vapors expected to be slightly irritating.

**CARCINOGENICITY:** IARC: Classified 2B (possible for humans)

**ROUTES OF ENTRY:** Skin, Inhalation, Eyes

**TARGET ORGAN STATEMENT:** Liver, Central nervous system.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Polyester Resin (Trade Secret)	66 - 69	N/A
Styrene	27 - 35	100-42-5
Non Hazardous Fillers	< 5	XXXXXX

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

#### 4. FIRST AID MEASURES

**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:** Immediately flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.

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

**NOTES TO PHYSICIAN: Styrene:** Do not induce vomiting. Gastrointestinal decontamination in accidental petroleum distillate ingestions is not recommended, because of the severe aspiration hazard. Gastric lavage is indicated in those patients who require decontamination. Be sure that an endotracheal tube is in place prior to lavage; use cuffed tubes in patients over 7 years of age. All contaminated clothing should be removed, and contaminated skin areas washed with lipophilic soap, or green soap, and water. If ingested, cardiac and respiratory status must be continuously monitored. Be prepared to give oxygen and, if necessary, intubate. A chest x-ray should be taken immediately after stabilization of breathing and circulation to document aspiration and detect the presence of pneumothorax.

#### 5. FIRE FIGHTING MEASURES

**FLAMMABLE CLASS:** Category 3 Flammable Liquid

**EXTINGUISHING MEDIA:** Small Fire: Water spray or fog, Alcohol-resistant foam, Dry chemical powder, carbon dioxide, sand or earth can be used for small fires.

Large Fire: Water spray or fog, Alcohol-resistant foam. Do not discharge extinguishing waters into the aquatic environment.

**HAZARDOUS COMBUSTION PRODUCTS:** Produces carbon oxides (CO, CO<sub>2</sub>).

**FIRE FIGHTING PROCEDURES:** Cool containers with flooding quantities of water until well after fire is out to avoid pressure build up, autoignition or explosion.

**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:** Absorb with an inert material and put the spilled material in an appropriate waste disposal container.

**LARGE SPILL:** Flammable liquid. Keep away from heat and other sources of ignition. Eliminate all ignition sources. Stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material. Do not touch spilled material. Prevent entry into sewers, basements or confined areas; dike if needed. Be careful that the product is not present at a concentration level above TLV.

## 7. HANDLING AND STORAGE

**HANDLING:** Use only in a well-ventilated area. Ground and bond containers when transferring material. Use spark-proof tools and explosion proof equipment. Avoid direct contact (eye, skin, inhalation, ingestion) when possible. Empty containers retain product residue, (liquid and/or vapor), and can be dangerous. Take precautionary measures against static discharges. Wash clothing before reuse. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat, sparks or open flames.

**STORAGE:** Monitor inhibitor to maintain appropriate concentration. Keep containers tightly closed when not in use and store in a well-ventilated area. Isolate incompatible materials such as oxidizers. Containers should be clearly labeled. Metal containers used to store this material should be grounded.

## 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>
Styrene	TWA	50		20	85
	STEL	100		40	170

**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. Always use proper eye protection around the work area.

**SKIN:** Wear solvent resistant gloves (consult safety equipment supplier). To prevent repeated or prolonged skin contact, wear impervious clothing and boots.

**RESPIRATORY:** If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker health, an approved respirator must be worn. Respirator selection, use and maintenance should be in accordance with the requirements of the OSHA Respiratory Protection Standard, 29 CFR 1910. 134.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Liquid.

**ODOR:** Pungent, Sweet

**APPEARANCE:** Colorless Liquid

**pH:** No data available.

**PERCENT VOLATILE:** No data available.

**FLASH POINT AND METHOD:** 32°C (98°F) Closed Cup

**FLAMMABLE LIMITS:** 1% to 7%

**AUTOIGNITION TEMPERATURE:** 490°C (914°F)

**VAPOR PRESSURE:** 4.5 mm Hg @ 20 C

**VAPOR DENSITY:** 3.6 (Air =1)

**BOILING POINT:** 145°C (293°F) to 146°C (295°F)

**MELTING POINT:** No data available.

**POUR POINT:** No data available.

**SOLUBILITY IN WATER:** Insoluble.

**EVAPORATION RATE:** Slower than Ethyl Ether.

**SPECIFIC GRAVITY:** 1.03 to 1.30 (Water = 1)

**VISCOSITY:** No data available.

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

## 10. STABILITY AND REACTIVITY

**STABLE:** Yes

**HAZARDOUS POLYMERIZATION:** No

**STABILITY:** Stable under recommended storage conditions.

**POLYMERIZATION:** Under normal conditions of use, hazardous reactions will not occur. Extreme heat can cause rapid, uncontrolled polymerization.

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

**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)	INHALATION LC <sub>50</sub> (rat)
Styrene	5000 mg / kg (Rat)	> 2000 mg / kg (dermal Rabbit)	11.8 mg/L (4h)

**EYE EFFECTS:** Causes eye irritation, characterized by a burning sensation, redness, tearing, inflammation, and possible corneal injury.

**SKIN EFFECTS:** Causes mild skin irritant.

Prolonged or repeated exposure: may cause defatting of the skin, which can lead to dermatitis.

### CARCINOGENICITY

**IARC:** Group 2B - Possibly carcinogenic for humans.

**NTP:** Reasonably anticipated to be a human carcinogen

**OSHA:** Possible select carcinogen.

**Notes:** Listed by IARC as possibly carcinogenic to humans (Group 2B), based on limited evidence of carcinogenicity in humans and experimental animals.

**TARGET ORGANS:** Cardiac sensitization. Nervous system. Nasal cavity. Lung. Eye. Skin.

## 12. ECOLOGICAL INFORMATION

**ENVIRONMENTAL DATA:** Readily Biodegradable.

**ECOTOXICOLOGICAL INFORMATION:** Toxic to fish, invertebrates and microorganisms, however, substantial aquatic exposure is not expected based on the volatile nature of this material.

**BIOACCUMULATION/ACCUMULATION:** This material is not expected to bioaccumulate.

**AQUATIC TOXICITY (ACUTE):** Values are for: Styrene (CAS# 100-42-5)

**96-HOUR LC<sub>50</sub>:** 4-10 mg / L (Fathead Minnow)

**48-HOUR EC<sub>50</sub>:** 4.7 mg/L (Daphnia Magna)

**96-HOUR EC<sub>50</sub>:** 4.9 mg/L (Green Algae)

### 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:** Resin Solution

**PRIMARY HAZARD CLASS/DIVISION:** 3

**UN/NA NUMBER:** 1866

**PACKING GROUP:** III

**REPORTABLE QUANTITY (RQ) UNDER CERCLA:** 1000 lbs (STYRENE)

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

**PROPER SHIPPING NAME:** Resin Solution

**UN NUMBER:** 1866

**HAZARD CLASS:** 3

**PACKING GROUP:** III

#### AIR (ICAO/IATA)

**SHIPPING NAME:** Resin Solution

**UN/NA NUMBER:** 1866

**PRIMARY HAZARD CLASS/DIVISION:** 3

**PACKING GROUP:** III

#### VESSEL (IMO/IMDG)

**SHIPPING NAME:** Resin Solution

**UN/NA NUMBER:** 1866

**PRIMARY HAZARD CLASS/DIVISION:** 3.3

**PACKING GROUP:** III

### 15. REGULATORY INFORMATION

**UNITED STATES**

**SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)**

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

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

**313 REPORTABLE INGREDIENTS:** Styrene

**TITLE III NOTES:** Components meeting the requirements are listed.

**CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)**

**CERCLA RQ:** 1000 pounds

**TSCA (TOXIC SUBSTANCE CONTROL ACT)**

**TSCA STATUS:** Listed.

**CALIFORNIA PROPOSITION 65:** This material contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

**OSHA HAZARD COMM. RULE:** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200

**CLEAN WATER ACT:** Listed.

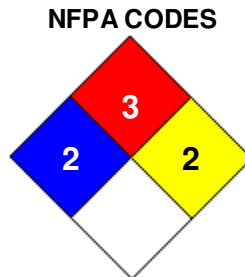
**CANADA**

**DOMESTIC SUBSTANCE LIST (INVENTORY):** Listed.

**16. OTHER INFORMATION**

**PREPARED BY:** Fiberglass Coatings, Inc. (GS)

HMIS RATING	
<b>HEALTH</b>	* 2
<b>FLAMMABILITY</b>	3
<b>PHYSICAL HAZARD</b>	2
<b>PERSONAL PROTECTION</b>	<input type="checkbox"/>



**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.

# SAFETY DATA SHEET



Date Issued : 2/27/2015

SDS No : 132662  
Kit# 137639

## Catalyst, 50%, Clear, MEKP-925

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Catalyst, 50%, Clear, MEKP-925  
**PRODUCT CODE:** 132662

#### 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:

Serious Eye Damage, Category 1  
Skin Corrosion, Category 1B  
Acute Toxicity (Oral), Category 4  
Organic Peroxides, Type D  
Aspiration Hazard, Category 1

#### GHS LABEL



Flame



Exclamation  
mark



Corrosion



Health  
hazard

**SIGNAL WORD:** DANGER

#### HAZARD STATEMENTS

H242: Heating may cause a fire.  
H302: Harmful if swallowed.  
H314: Causes severe skin burns and eye damage.  
H318: Causes serious eye damage.  
H304: May be fatal if swallowed and enters airways.

#### PRECAUTIONARY STATEMENT(S)

##### Prevention:

P264: Wash skin thoroughly after handling.  
P270: Do not eat, drink or smoke when using this product.



P260: Do not breathe dust/fume/gas/mist/vapors/spray.

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

P210: Keep away from heat/sparks/open flames/hot surfaces. – No smoking.

P234: Keep only in original container.

#### Response:

P301+P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

P301+P330+P331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

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

P304+P340: IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.

P310: Immediately call a POISON CENTER or doctor/physician.

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

#### Disposal:

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

### EMERGENCY OVERVIEW

**PHYSICAL APPEARANCE:** Colorless Liquid

**IMMEDIATE CONCERNS:** **Aspiration Hazard. Corrosive.** Can cause severe skin and eye damage. Ingestion can also burn throat and lead to aspiration hazard.

### POTENTIAL HEALTH EFFECTS

**EYES:** Corrosive, contact causes severe eye burns.

**SKIN:** Corrosive, causes skin burning.

**INGESTION:** Aspiration Hazard. Can cause severe burns in the throat. Corrosive.

**INHALATION:** Aspiration may cause respiratory tract irritation or lung damage. May be harmful if inhaled.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Methyl Ethyl Ketone Peroxide	34	1338-23-4
Dimethyl phthalate	43	131-11-3
2,2,4-Trimethyl-1,3-pentanediol diisobutanoate	20	6846-50-0
2-butanone	2	78-93-3
Hydrogen Peroxide	1	7722-84-1

### 4. FIRST AID MEASURES

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

**NOTES TO PHYSICIAN:** Persons with pre-existing skin, eye, or respiratory disease may be at increased risk from the irritant or allergic properties of this material.

This material is severely corrosive to the eyes and may cause delayed keratitis. The normally prescribed 15 minute eye irrigation after exposure may be difficult because of severe pain. The prior installing of a topical ocular anesthetic is essential to facilitate a comprehensive ocular lavage. If swallowed, do not induce vomiting. Give patient plenty of water to drink. Ingestion of this corrosive material may result in severe ulceration, inflammation, and possible perforation of the upper alimentary tract, with hemorrhage and fluid loss. Aspiration of this material during induced emesis can result in severe lung injury. Contact a Poison Control Center for additional treatment information. Treat any additional effect symptomatically.

## 5. FIRE FIGHTING MEASURES

**FLAMMABLE CLASS:** Combustible and reactive liquid. Material may burn slowly at first, and after heating, burn quickly or explode.

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

**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).

**HAZARDOUS DECOMPOSITION PRODUCTS:** CO<sub>2</sub>, Water, Acetic Acid, Formic Acid, Propanoic Acid, Methyl Ethyl Ketone.

## 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 ignition sources (flame, spark, smoking, etc) in use or handling areas. Use explosion proof electrical equipment. Ground all equipment containing this material. Do not ingest or breathe vapors/fumes. Avoid contact with eyes and skin. Always wear proper PPE when handling. Provide sufficient ventilation. A NIOSH respirator is required if permissible exposure limits are exceeded.

**STORAGE:** Store in a cool, dry, well-ventilated area, away from any sources of ignition and incompatible materials. Keep all equipment grounded to avoid static sparking. Keep container closed when not being used.

**STORAGE TEMPERATURE:** Store below 30 C (86 F).

## 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>
Dimethyl phthalate	TWA		5		5
2-butanone	TWA	200	590	200	590
	STEL	300		300	885

**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).

**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:** Liquid.

**ODOR:** Faint Odor.

**COLOR:** White.

**pH:** 4 to 7

**PERCENT VOLATILE:** No data available.

**FLASH POINT AND METHOD:** > 93°C (200°F)

**Notes:** Above the Self-Accelerating Decomposition Temperature (SADT) value.

**AUTOIGNITION TEMPERATURE:** No data available.

**VAPOR PRESSURE:** No data available.

**VAPOR DENSITY:** > 1 (Air =1)

**BOILING POINT:** No data available.

**SOLUBILITY IN WATER:** Slightly soluble

**EVAPORATION RATE:** No data available.

**SPECIFIC GRAVITY:** 1.1 (Water = 1)

**10. STABILITY AND REACTIVITY**

**STABLE:** Yes

**HAZARDOUS POLYMERIZATION:** No

**POLYMERIZATION:** Will not occur.

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

**POSSIBILITY OF HAZARDOUS REACTIONS:** Peroxides (especially MEK peroxide) will cause uncontrolled, exothermic radical reaction which can cause a significant fire hazard.

**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

Chemical Name	ORAL LD <sub>50</sub> (rat)	DERMAL LD <sub>50</sub> (rabbit)	INHALATION LC <sub>50</sub> (rat)
Methyl Ethyl Ketone Peroxide	484 mg / kg	500 mg / kg	200 ppm (4h)
Dimethyl phthalate	6800 mg / kg		
2,2,4-Trimethyl-1,3-pentanediol diisobutanoate	> 3200 mg / kg		
2-butanone	2737 mg / kg (Rat)	6480 mg / kg (Rabbit)	320 ppm (4h)
Hydrogen Peroxide	376 mg / kg	500 mg / kg	67 ppm (6h)

## 12. ECOLOGICAL INFORMATION

**ENVIRONMENTAL DATA:** Environmental studies have not been performed for this mixture.

**ECOTOXICOLOGICAL INFORMATION:** Do NOT discharge into sewers or waterways.

**BIOACCUMULATION/ACCUMULATION:** Biodegradable.

**AQUATIC TOXICITY (ACUTE):** Values for MEKP:

**96-HOUR EC<sub>50</sub>:** 44.2 mg/L (Guppy)

## 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:** Organic Peroxide type D, Liquid.

**PRIMARY HAZARD CLASS/DIVISION:** 5.2

**UN/NA NUMBER:** 3105

**PACKING GROUP:** II

### AIR (ICAO/IATA)

**SHIPPING NAME:** Organic Peroxide type D, Liquid.

**UN/NA NUMBER:** 3105

**PRIMARY HAZARD CLASS/DIVISION:** 5.2

**PACKING GROUP:** II

**VESSEL (IMO/IMDG)**

**SHIPPING NAME:** Organic Peroxide type D, Liquid.

**UN/NA NUMBER:** 3105

**PRIMARY HAZARD CLASS/DIVISION:** 5.2

**PACKING GROUP:** II

**15. REGULATORY INFORMATION**

**UNITED STATES**

**SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)**

**311/312 HAZARD CATEGORIES:** Fire Hazard, Immediate (acute) Health Hazard, Reactivity.

**TITLE III NOTES:** Components meeting the requirements are listed.

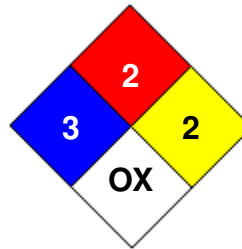
**16. OTHER INFORMATION**

**PREPARED BY:** Fiberglass Coatings, Inc. (GS)

**HMIS RATING**

<b>HEALTH</b>	<input type="checkbox"/>	<b>3</b>
<b>FLAMMABILITY</b>		<b>2</b>
<b>PHYSICAL HAZARD</b>		<b>2</b>
<b>PERSONAL PROTECTION</b>	<input type="checkbox"/>	

**NFPA CODES**



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