SAFETY DATA SHEET

FGCI FiberGlass Coatings, Inc.

Date Issued : 10/31/2014
SDS No : 137274
Date Revised : 10/31/2014
Revision No : 1

Clear Casting Polyester Resin

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Clear Casting Polyester Resin
PRODUCT CODE: 137274, 137275

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
Acute Toxicity (Oral), Category 5
Aspiration Hazard, Category 1
Eye Irritation, Category 2B

Physical:

Flammable Liquids, Category 3

GHS LABEL

Flame

Exclamation mark

SIGNAL WORD: WARNING

HAZARD STATEMENTS

H320: Causes eye irritation.
H315: Causes skin irritation.
H304: May be fatal if swallowed and enters airways.
H302: Harmful if swallowed.

PRECAUTIONARY STATEMENT(S)

Prevention:

P270: Do not eat, drink or smoke when using this product.
P261: Avoid breathing dust/fume/gas/mist/vapors/spray.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P264: Wash skin thoroughly after handling.
P233: Keep container tightly closed.
P243: Take precautionary measures against static discharge.

Response:

P302+P352: IF ON SKIN: Wash with plenty of soap and water.
P332+P313: If skin irritation occurs: Get medical advice/attention.
P301+P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P301+P330+P331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
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.

Disposal:

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

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE: Liquid, Styrene Odor.

IMMEDIATE CONCERNS: Flammable Liquid and Vapor. Can cause eye and skin irritation. May cause respiratory tract irritation. May contain traces of carcinogenic material. Avoid contact and exposure whenever possible.

POTENTIAL HEALTH EFFECTS

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

SKIN: Can cause skin irritation. Symptoms may include redness, burning, drying and cracking of the skin, burns and other skin damage.

INGESTION: Swallowing can cause gastrointestinal irritation, nausea, diarrhea. Aspiration hazard. Aspiration can cause chemical pneumonitis, which can be fatal.

INHALATION: Vapors can cause respiratory tract irritation.

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

ROUTES OF ENTRY: Inhalation, Skin absorption, Skin contact, Eye contact, Ingestion.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Polyester Resin (Trade Secret)	60 - 70	N/A
Styrene	30 - 40	100-42-5

COMMENTS: 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. If easily accomplished, check for and remove contact lenses. Seek immediate medical attention.

SKIN: Immediately flush with plenty of soap and water. Remove and dispose of contaminated clothing. Seek medical attention.

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.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

ACUTE TOXICITY: INHALATION: Harmful if inhaled. Effects from exposure may include headaches, fatigue, nausea, sensation of drunkeness, central nervous system depression and pulmonary edema.

CHRONIC EFFECTS: Overexposure to this material (or its components) has been suggested as a cause of the following effects in humans and may aggravate pre-existing disorders of these organs; central nervous system effects, effects on hearing and respiratory tract damage.

5. FIRE FIGHTING MEASURES

FLAMMABLE CLASS: Category 3 Flammable Liquid

EXTINGUISHING MEDIA: Use dry chemical, CO2, water spray/fog (not jet), or foam

EXPLOSION HAZARDS: Vapors may form an explosive mixture with air.

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: Combustion may produce carbon monoxide, carbon dioxide and irritating or toxic vapors and gases.

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: Eliminate all ignition sources (flares, flames including pilot lights, electrical sparks). Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Stop spill at source. Prevent from entering drains, sewers, streams or other bodies of water. Prevent from spreading. If runoff occurs, notify authorities as required. Collect with non-combustible absorbent material (e.g. sand, earth, diatomaceous earth, vermiculite). Transfer contaminated absorbent, soil and other materials to containers for proper disposal according to all Federal, State, and Local ordinances.

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: For safety to prevent pressure build up, and to maintain the product's proper shelf life store at temperatures below 80 degrees F.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)					
		EXPOSURE LIMITS			
		OSHA PEL		ACGIH TLV	
Chemical Name		ppm	mg/m³	ppm	mg/m³
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 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: Styrene Odor

ODOR THRESHOLD: 0.2 ppm Styrene

APPEARANCE: Syrup

pH: N/A = Not Applicable

PERCENT VOLATILE: 30 to 40 % (styrene)

FLASH POINT AND METHOD: 31.1°C (88°F) Closed Cup

FLAMMABLE LIMITS: 1.1% to 6.1%

Notes: Flammable limits in air % by volume

AUTOIGNITION TEMPERATURE: 490°C (914°F)

Notes: Autoignition temp listed for Styrene (CAS: 100-42-5). Unknown autoignition for mixture.

VAPOR PRESSURE: 6.12 mm Hg @ 20 C

VAPOR DENSITY: 3.6 (Air =1)

BOILING POINT: 145°C (293°F)

FREEZING POINT: -30.4°C (-22.7°F)

MELTING POINT: No data available.

SOLUBILITY IN WATER: Insoluble.

EVAPORATION RATE: < 1 (Ethyl Ether = 1)

SPECIFIC GRAVITY: 1.08 to 1.15 (Water = 1) at 25°C (77°F)

VISCOSITY: No data available.

10. STABILITY AND REACTIVITY

STABLE: Yes

HAZARDOUS POLYMERIZATION: Yes

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

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

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

POSSIBILITY OF HAZARDOUS REACTIONS: Extreme heat can cause rapid, uncontrolled polymerization.

HAZARDOUS DECOMPOSITION PRODUCTS: May form: carbon dioxide and carbon monoxide, various hydrocarbons.

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

11. TOXICOLOGICAL INFORMATION

ACUTE

Chemical Name	ORAL LD_{50} (rat)	DERMAL LD_{50} (rabbit)	INHALATION LC_{50} (rat)
Styrene	5000 mg / kg (Rat)	> 2000 mg / kg (dermal Rabbit)	11.8 mg/L (4h)

EYES: Styrene causes transient moderate eye irritation without corneal involvement.

DERMAL LD_{50}: Styrene causes severe irritation at 72 hours.

INHALATION LC_{50}: 24 g / m3 4 hours (rat)

EYE EFFECTS: Eye irritant

SKIN EFFECTS: Skin Irritant, Sensitizer.

CARCINOGENICITY

IARC: Group 2B - Possibly carcinogenic for humans.

NTP: Not Classified.

OSHA: Not Classified

TERATOGENIC EFFECTS: Styrene did not cause birth defects in orally dosed rats, mice and rabbits. Exposed by inhalation 6 hr. per day was toxic to fetal mice at 250 ppm and to fetal hamsters at 1000 ppm

MUTAGENICITY: Mixed results positive and negative

GENERAL COMMENTS: No toxicological data is available for this product. Based on properties and similar polymers, the polyester resin is not hazardous.

12. ECOLOGICAL INFORMATION

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

ECOTOXICOLOGICAL INFORMATION: DO NOT discharge into sewer or waterways.

BIOACCUMULATION/ACCUMULATION: Biodegradable.

AQUATIC TOXICITY (ACUTE)

96-HOUR LC_{50}: 9.1 mg/L (Sheepshead minnow)

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.

RCRA/EPA WASTE INFORMATION: This material and containers that are not empty, if discarded, would be regulated as a hazardous waste under RCRA. Treatment and/or disposal must be completed at a RCRA-permitted Treatment, Storage and Disposal Facility (TSD). The storage and transportation of RCRA hazardous wastes are also regulated by the US-EPA.

RCRA HAZARD CLASS: Waste Number: D001 (Ignitable)

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Resin Solution

PRIMARY HAZARD CLASS/DIVISION: 3

UN/NA NUMBER: 1866

PACKING GROUP: III

NAERG: 127

AIR (ICAO/IATA)

SHIPPING NAME: Resin Solution

UN/NA NUMBER: 1866

PRIMARY HAZARD CLASS/DIVISION: 3

PACKING GROUP: III

ERG: 127

VESSEL (IMO/IMDG)

UN/NA NUMBER: 1866

PRIMARY HAZARD CLASS/DIVISION: 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.

302/304 EMERGENCY PLANNING

EMERGENCY PLAN: Styrene (CAS # 100-42-5)

THRESHOLD QUANTITY: 1000 lb.

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA REGULATORY: Styrene

CERCLA RQ: 1000 pounds

TSCA (TOXIC SUBSTANCE CONTROL ACT)

TSCA REGULATORY: Sections: 8 (b), 12 (b)

CLEAN AIR ACT

40 CFR PART 68---RISK MANAGEMENT FOR CHEMICAL ACCIDENT RELEASE PREVENTION: 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

WHMIS (WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM): B2 Flammable Liquid; D2A Very Toxic Material; D2B Toxic Material; F Dangerous Reactive Material.

DOMESTIC SUBSTANCE LIST (INVENTORY): Listed.

GENERAL COMMENTS: This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

16. OTHER INFORMATION

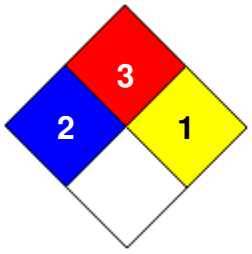
PREPARED BY: Fiberglass Coatings, Inc. (GS)

REVISION SUMMARY: This MSDS replaces the 10/31/2014 MSDS. Revised: **Section 1:** 24 HR. EMERGENCY TELEPHONE NUMBERS, PRODUCT CODE.

HMIS RATING

HEALTH	*	2
FLAMMABILITY		3
PHYSICAL HAZARD		1
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.

SAFETY DATA SHEET

FGCI
FiberGlass Coatings, Inc.

Date Issued : 10/31/2014
SDS No : 137275

Catalyst, 50%, Clear MEKP-9 Norac

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Catalyst, 50%, Clear MEKP-9 Norac
PRODUCT CODE: 137274, 137275

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:

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

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.
P220: Keep/Store away from clothing/combustible materials.
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.

Storage:

P405: Store locked up.
P411+P235: Store in a cool place.
P410: Protect from sunlight.
P420: Store aways from other materials.

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	32 - 35	1338-23-4
Dimethyl phthalate	35 - 60	131-11-3
Phlegmatizer (Trade Secret)	6 - 26	XXXXXX
2-butanone	0 - 2	78-93-3
Hydrogen Peroxide	1	7722-84-1
Water	1	7732-18-5

4. FIRST AID MEASURES

EYES: Flush eyes with water for at least 15 minutes, holding eyelids open. If easily accomplished, check for and remove contact lenses. 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: May be combustible at high temperature

EXTINGUISHING MEDIA: Use dry chemical, CO2, water spray/fog (not jet), or foam

OTHER CONSIDERATIONS: SADT = 60 C (140 F).

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: CO2, 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/m³	ppm	mg/m³
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: Slight Odor.

APPEARANCE: Clear (or Red) Liquid.

COLOR: Clear (or Red)

pH: No data available.

PERCENT VOLATILE: No data available.

VAPOR PRESSURE: No data available.

VAPOR DENSITY: > 1 (Air =1)

BOILING POINT: No data available.

MELTING 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_{50} (rat)	DERMAL LD_{50} (rabbit)	INHALATION LC_{50} (rat)
Methyl Ethyl Ketone Peroxide	484 mg / kg	500 mg / kg	200 ppm (4h)
Dimethyl phthalate	6800 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_{50}: 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: Immediate (Acute) health hazard, Reactivity.

TITLE III NOTES: Components meeting the requirements are listed.

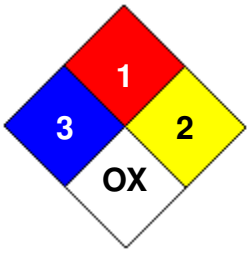
16. OTHER INFORMATION

PREPARED BY: Fiberglass Coatings, Inc. (GS)

HMIS RATING

HEALTH	3
FLAMMABILITY	1
PHYSICAL HAZARD	2
PERSONAL PROTECTION	

NFPA CODES



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