

SAFETY DATA SHEET



Date Issued : 10/30/2013
MSDS No : 128800

Co Rez 531ex

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Co Rez 531ex
PRODUCT CODE: 128800

MANUFACTURER

Fiberglass Coatings Inc.
www.fgci.com
4301A 34th Street North
St. Petersburg, FL 33714
Customer Service: 800-272-7890
E-Mail: fgci@fgci.com

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

HAZARD STATEMENTS

H226: Flammable liquid and vapor.
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:

P261: Avoid breathing dust/fume/gas/mist/vapors/spray.
P210: Keep away from heat/sparks/open flames/hot surfaces. – No smoking.

P241: Use explosion-proof electrical/ventilating/lighting/.../ equipment.
 P270: Do not eat, drink or smoke when using this product.
 P264: Wash ... thoroughly after handling.
 P280: Wear protective gloves/protective clothing/eye protection/face protection.
 P233: Keep container tightly closed.
 P240: Ground/bond container and receiving equipment.
 P242: Use only non-sparking tools.
 P243: Take precautionary measures against static discharge.

Response:

P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
 P301+A1600: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
 P301+P330+P331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
 P370+P378: In case of fire: Use ... to extinguish.
 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.

Storage:

P405: Store locked up.

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 contain some dust particles that could 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.

3. COMPOSITION / INFORMATION ON INGREDIENTS

| Chemical Name | Vol. % | CAS |
|--------------------------------|---------|----------|
| Polyester Resin (Trade Secret) | 66 - 69 | XXXXXX |
| Styrene | 38 | 100-42-5 |

4. FIRST AID MEASURES

EYES: Flush eyes 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.

5. FIRE FIGHTING MEASURES

FLAMMABLE CLASS: Category 3 Flammable Liquid

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

HAZARDOUS COMBUSTION PRODUCTS: Ignition sources (and heat) can cause rapid, uncontrolled polymerization.

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).

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Extinguish all near by 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: Follow procedure for small spills. Dike ahead of spill to contain material. Water mist may be used to disperse vapors. Notify proper authorities if the spill cannot be contained. Follow Local, State, and Federal regulations for disposal.

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.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

| OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200) | | | | | |
|---|------|-----------------|-------------------|-----------|-------------------|
| | | EXPOSURE LIMITS | | | |
| | | OSHA PEL | | ACGIH TLV | |
| Chemical Name | | ppm | mg/m ³ | ppm | mg/m ³ |
| Styrene | TWA | 100 | | 20 | 85 |
| | STEL | | | 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

APPEARANCE: Liquid, Color is dependent on color in name (variety of colors from clear to black) (Section 1: Trade Name)

COLOR: Varying color from colorless clear to black.

PERCENT VOLATILE: 38

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

FLAMMABLE LIMITS: 1.1% to 6.1%

AUTOIGNITION TEMPERATURE: 490 °C (914°F)

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

VAPOR PRESSURE: 4.3 mm Hg @ 20 C

VAPOR DENSITY: 3.6 (Air =1)

BOILING POINT: 145 °C (293°F)

MELTING POINT: No data available.

SOLUBILITY IN WATER: Insoluble.

EVAPORATION RATE: < 1 (Ethyl Ether = 1)

SPECIFIC GRAVITY: 1.15 (Water = 1)

(VOC): 38.000 %

10. STABILITY AND REACTIVITY

STABLE: Yes

HAZARDOUS POLYMERIZATION: Yes

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.

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

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) | INHALATION LC ₅₀ (rat) |
|---------------|--------------------------------|--------------------------------------|
| Styrene | 2650 mg / kg (Rat) | 12000 mg/m ³ (4h) |

12. ECOLOGICAL INFORMATION

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

ECOTOXICOLOGICAL INFORMATION: Do NOT discharge into sewers or waterways. Numerical data is not available. Assumed to be toxic to aquatic life and the environment for safety.

13. DISPOSAL CONSIDERATIONS

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

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

AIR (ICAO/IATA)

SHIPPING NAME: Resin Solution

UN/NA NUMBER: 1866

PRIMARY HAZARD CLASS/DIVISION: 3

PACKING GROUP: III

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)**

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

TITLE III NOTES: Components meeting the requirements are listed.

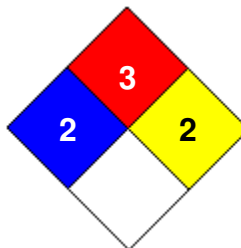
16. OTHER INFORMATION

PREPARED BY: Fiberglass Coatings, Inc. (HE)

HMIS RATING

| | | |
|---------------------|---|---|
| HEALTH | * | 2 |
| FLAMMABILITY | | 3 |
| PHYSICAL HAZARD | | 2 |
| PERSONAL PROTECTION | | J |

NFPA CODES



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