


RENEWRAP® ESR SATURANT PART A
Section 1. Product and Company Identification

Product Name: RenewWrap® ESR Saturant Part A
Supplier: GeoTree Solutions | 1733 Majestic Rd, Suite 101, Lafayette, CO 80026 | +1 855.655.6750
Emergency Phone Number: 800.424.9300 (CHEMTREC) | +1 703.741.5970 (Outside the US)
Product Description: Epoxy resin
Product Use: Concrete Repairs
Chemical Name or Synonym: N/A

Section 2. Hazards Identification
Classification of the substance or mixture

Skin Corrosion/irritation – Category 2
 Sensitization/skin – Category 1
 Eye damage/irritation – Category 2A
 Germ cell mutagenicity – Category 2
 Aquatic Chronic – Category 2

Label Elements:

Hazard Statement(s):

H315 Causes skin irritation
 H317 May cause an allergic skin reaction
 H319 Causes serious eye irritation
 H341 Suspected of causing genetic defects
 H411 Toxic to aquatic life with long lasting effects

Signal Word: Danger

Precautionary Statement(s):

P264 Wash hands and forearms thoroughly after handling.
 P280 Wear protective gloves.
 P302+P352 IF ON SKIN: Wash with plenty water.
 P333+P313 If skin irritation or rash 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.

Section 3. Composition/ Information on Ingredients

Chemical Name	CAS-No	Weight %
Bisphenol A type Epoxy Resin	25068-38-6	70 – 90

SAFETY DATA SHEET



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Propane, 1,3-bis(2,3-epoxypropoxy)-2,2-dimethyl	17557-23-2	5 – 10
o-cresyl glycidyl ether	2210-79-9	5 – 10

Section 4. First Aid Measures

First Aid Measures for Accidental:

Inhalation: If breathing is difficult, give oxygen. Get medical attention if any discomfort continues.

Ingestion: If swallowed, rinse mouth with water (only if the person is conscious). Get medical attention if any discomfort continues.

Eye contact: In the event of contact with the eyes, rinse thoroughly with clean water. Continue to rinse for at least 15 minutes and seek medical attention.

Skin contact: Wash the skin immediately with soap and water. Take off immediately all contaminated clothing. If skin irritation or an allergic skin reaction develops, get medical attention.

Most important symptoms/effects, acute and delayed: None known.

Indication of immediate medical attention and special treatment needed: Treat symptomatically.

Section 5. Fire Fighting Measures

Suitable Extinguishing Media: CO₂, extinguishing powder or water spray. Fight larger fire with water spray. Use firefighting measures that suit the environment.

Unsuitable Extinguishing Media: None known.

Special Protective Equipment for Fire-fighters: Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

Specific Hazards Arising from the substance or mixture: Heating increases the release of toxic vapors.

Section 6. Accidental Release Measures

Personal Precautions, Protective Equipment, and Emergency Procedures: Evacuate the area immediately. Isolate the hazard area. Keep out unnecessary and unprotected personnel. Do not touch damaged containers or spilled product unless wearing appropriate protective equipment. Increase ventilation to area or move leaking container to a well-ventilated and secure area.

Environmental Precautions: Do not allow into any sewer, on the ground or into any waterway. If the spill is inside a building, prevent product from entering drains, ventilation systems and confined areas.

Methods and Materials for Containment and Cleaning Up: Contain and soak up spill with absorbent that does not react with spilled product. Dike spilled product to prevent runoff.

Section 7. Handling and Storage

Precautions for safe handling: Only use where there is adequate ventilation. Wear personal protective equipment to avoid direct contact with this chemical. Keep containers tightly closed when not in use or empty.

Conditions for safe storage including any incompatibilities: Store in an area that is: ventilated. Store separately. Keep closed. Follow all precautions given on this safety data sheet. Comply with all applicable health and safety regulations, fire and building codes.

Section 8. Exposure Controls / Personal Protection

Control Parameters (Exposure Limits): No data available.

Appropriate Engineering Control: Use a local exhaust ventilation and enclosure. If necessary, to control amount in the air.

Personal Protective Equipment:

Respiratory Protection: Wear a NIOSH approved air-purifying respirator with an organic vapor cartridge

Eye / Face Protection: Wear necessary protective equipment. Avoid contact with eyes and prolonged skin contact. Wear chemical safety goggles

Skin Protection: Wear chemical protective clothing, e.g: gloves, aprons, boots.

Hygiene Measures: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Section 9. Physical and Chemical Properties

Physical State:	Liquid
Colour:	Clear green
Odor:	Faint
Melting Point/ Freezing Point:	No data available
Boiling point:	No data available
Flammability (solid, gas):	No data available
Lower and Upper Explosion limits/ Flammability Limits:	No data available
Flash Point:	>126°C (259°F)
Auto-ignition Temperature:	No data available
Decomposition Temperature:	No data available
pH:	No data available
Kinematic Viscosity:	No data available
Solubility:	No data available
Evaporation rate (ether=1):	No data available
Flammability Limits in Air:	No data available
Solubility in other solvents:	No data available
Partition coefficient (n-octanol/water):	No data available
Vapour Pressure:	No data available
Relative Density:	1.15
Relative Vapour Density:	No data available
Specific Gravity:	No data available
Particle Characteristics:	No data available

Section 10. Stability and Reactivity



Reactivity: Not reactive under normal conditions of use

Chemical Stability: Stable under normal conditions.

Possibility of Hazardous reactions: Acids, alkalis and oxidizing agents

Conditions to Avoid: None known.

Incompatible Materials / Chemicals: Polymerizes on contact with amines, strong acids, strong bases, strong oxidizing agents. No corrosive to metals.

Hazardous Decomposition Products: Carbon monoxide and carbon dioxide.

Section 11. Toxicological Information

Information in the likely route of exposure:

Skin absorption, eye contact.

Acute Toxicity:

Chemical Name	LC50	LD50 (oral)	LC50 (dermal)
Bisphenol-A epoxy resin	-	10,000 – 11,400 mg/kg (rat)	-
Propane, 1,3-bis(2,3-epoxypropoxy)-2,2-dimethyl	>2,100 mg/m ³ (rabbit)	>2,000 mg/kg (rat)	-
o-cresyl glycidyl ether	> 1000 mg/L (rat) (4-hour exposure)	> 5,500 mg/kg (rat)	>2,000 mg/m ³ (rabbit)

Skin corrosion / irritation: Human and animal tests show mild irritation.

Eye damage / irritation: There is limited evidence of mild irritation.

Symptoms related to the physical, chemical and toxicological characteristics:

Specific Target Organ Toxicity - single exposure (STOT-SE):

Inhalation: Reactive airways dysfunction syndrome (RADS)

Skin absorption: Symptoms may include redness, rash, swelling and itching.

Ingestion: Irritation of the mouth, throat and stomach.

Aspiration Hazard: Symptoms may include coughing, choking, shortness of breath, difficult or rapid breathing, and wheezing.

Specific Target Organ Toxicity - repeated exposure (STOT-RE): Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

Respiratory and/or Skin Sensitization: Respiratory sensitizer. In sensitized people, exposure to a very small amount of product can cause symptoms including wheezing, difficulty breathing, sneezing and runny or blocked nose. Symptoms can develop immediately following exposure or hours later. Repeated exposure will make the reaction worse.

Reproductive Toxicity: Not known to harm the unborn child. Not known to cause effects on or via lactation

Mutagenicity: No data available

Carcinogenicity: Not known to cause cancer

Section 12. Ecological Information

Ecotoxicity: Harmful to aquatic organisms, may cause long term, adverse effects in the aquatic environment.



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Toxicity:

Chemical Name	LC50 Fish
Bisphenol-A epoxy resin	1 – 10 mg/L

Persistence and degradability: Not readily biodegradable. No ingredient of this product is known to be highly persistent.

Bioaccumulative potential: This product shows a low bioaccumulation potential.

Mobility in soil: No determined

Other adverse effects: No determined

Section 13. Disposal Considerations

Waste treatment methods: Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Uncleaned packaging: Do not re-use empty containers for food, clothing, or products for human or animal consumption, or where skin contact can occur. Dispose of container and unused contents in accordance with federal, state, and local regulations.

Section 14. Transport Information

US DOT: Not Regulated

Canadian TDG: Not Regulated

IMDG / IATA

Proper Shipping Name: Environmentally hazardous substance, liquid, n.o.s. (Epoxy resin)

UN number: UN3082

Hazard Class: 9

Packing Group: III

Section 15. Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture

Canada

DSL: All ingredients are listed on the DSL or are not required to be listed.

TSCA: All ingredients are listed on the TSCA inventory.

Section 16. Other Information**NFPA Rating:**

Health – 2

Flammability – 1

Instability – 0

**RENEWRAP® ESR SATURANT PART A****Key Legend Information:**

CAS – Chemical Abstracts Service

OSHA – Occupational Safety and Health Administration

NIOSH – National Institute for Occupational Safety and Health

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