


RENEWWRAP® LPL SATURANT PART A
Section 1. Product and Company Identification

Product Name: RenewWrap® LPL 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
 Serious Eye Damage/Eye Irritation – Category 2A
 Sensitization/skin – Category 1
 Aquatic Chronic (Long term) – Category 2

Label Elements:

Hazard Statement(s):

H315 Causes skin irritation
 H317 May cause an allergic skin reaction
 H319 Causes serious eye irritation
 H411 Toxic to aquatic life with long lasting effects

Signal Word: Warning

Precautionary Statement(s):

P280 Wear protective gloves. Wear eye or face protection. Wear protective clothing
 P261 Avoid breathing vapor
 P302 + P352 + P363 – IF ON SKIN: Wash with plenty of soap and water. Wash contaminated clothing before reuse.
 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.
 P501 Dispose of contents and container in accordance with all local, regional, national and international regulations.

Section 3. Composition/ Information on Ingredients
Mixture:

Chemical Name	CAS-No	Weight %
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Oxirane,2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bis-, homopolymer	25085-99-8	50 – 90
1,3-Bis(2,3-Epoxypropoxy)-2,2-Dimethylpropane	17557-23-2	10 – 25
Proprietary Ingredient	N/A	<10
2,3-Epoxypropyl o-tolyl ether	2210-79-9	<5

Section 4. First Aid Measures

First Aid Measures for Accidental:

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Ingestion: Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Eye contact: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 20 minutes. Get medical attention.

Skin contact Wash with plenty of soap and water. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 20 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Most important symptoms/effects, acute and delayed:

Inhalation: No known significant effects or critical hazards

Ingestion: No known significant effects or critical hazards

Eye contact: Causes serious eye damage

Skin contact: Causes skin irritation. May cause an allergic skin reaction

Over-exposure symptoms:

Eye contact: Adverse symptoms may include pain or irritation, watering and redness.

Skin contact: Adverse symptoms may include irritation and redness.

Indication of immediate medical attention and special treatment needed: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

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. Decomposition products may include carbon dioxide, carbon monoxide and halogenated compounds.

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): None exposure limit for the ingredients.

Appropriate Engineering Control: Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

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



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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:	No data available
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:	No data available
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: Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to Avoid: None known.

Incompatible Materials / Chemicals: Oxidizing agents.

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide and halogenated compounds.

Section 11. Toxicological Information

Information in the likely route of exposure:

Skin absorption, eye contact.

Acute Toxicity:

Chemical Name	LC50	LD50 (oral)
1,3-Bis(2,3-Epoxypropoxy)-2,2-Dimethylpropane	-	4,500 mg/kg (rat)
2,3-Epoxypropyl o-tolyl ether	>6,090 mg/m ³ (rat), 4hr	>4 g/kg (rat)

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

Chemical Name	Result	Condition
Proprietary Ingredient	Skin – Mild Irritant	24 hrs 500µL (rabbit)



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2,3-Epoxypropyl o-tolyl ether	Skin – Severe Irritant	24 hrs 500µL (rabbit)
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Eye damage / irritation: There is limited evidence of mild irritation.

Potential Acute Health Effects:

Eye contact: Causes serious eye irritation.

Skin contact: Causes skin irritation. May cause an allergic skin reaction.

Ingestion: No known significant effects or critical hazard.

Symptoms related to the physical, chemical and toxicological characteristics:

Eye contact: Adverse symptoms may include pain or irritation, watering and redness.

Skin contact: Causes skin irritation. Adverse symptoms may include irritation and redness.

Ingestion: No known significant effects or critical hazard.

Delayed and immediate effects from short and long term exposure:

Short term exposure: No known significant effects or critical hazard.

Long term exposure: No known significant effects or critical hazard.

Potential Chronic Health Effects:

Specific Target Organ Toxicity - single exposure (STOT-SE): No data available

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

General: Once sensitized, a severe allergic reaction may occur when subsequently exposed to very levels.

Mutagenicity: No known significant effects or critical hazard.

Carcinogenicity: No known significant effects or critical hazard.

Teratogenicity: No known significant effects or critical hazard.

Developmental effects: No known significant effects or critical hazard.

Fertility effects: No known significant effects or critical hazard.

Section 12. Ecological Information

Ecotoxicity: Toxic to aquatic life with long lasting effects.

Toxicity: No data available

Persistence and degradability: No data available

Bioaccumulative potential: No data available

Mobility in soil: No determined

Other adverse effects: No known significant effects or critical hazard.

Section 13. Disposal Considerations


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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

IMDG

UN number: UN3082
UN proper shipping name: Environmentally hazardous substance, liquid, n.o.s. (Oxirane, 2,2'-[(1-methylethylidene) bis (4,1-phenyleneoxymethylene)]bis-,homopolymer)
Transport hazard class: Class 9
Packing group: III
Environmental hazard: Yes

IATA

UN number: UN3082
UN proper shipping name: Environmentally hazardous substance, liquid, n.o.s. (Oxirane, 2,2'-[(1-methylethylidene) bis (4,1-phenyleneoxymethylene)]bis-,homopolymer)
Transport hazard class: Class 9
Packing group: III
Environmental hazard: Yes

Additional Information The limited quantity exception can be used for the transportation of this item. Certain restrictions may apply in size and packaging.

US DOT: This product is not regulated as a marine pollutant when transported on inland waterways in sizes of ≤5 L or ≤5 kg or by road, rail, or inland air in non-bulk sizes, provided the packagings meet the general provisions of §§ 173.24 and 173.24a.

IMDG: This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8.

IATA: This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 5.0.2.4.1, 5.0.2.6.1.1 and 5.0.2.8.

Section 15. Regulatory Information

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

U.S. Federal regulations:

TSCA: All components are listed or exempted.

Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs): Listed

Clean Air Act Section 602 Class I Substances: Not listed

Clean Air Act Section 602 Class II Substances: Not listed

DEA List I Chemicals (Precursor Chemicals): Not listed

DEA List II Chemicals (Essential Chemicals): Not listed



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SARA 304 RQ: 826446.3 lbs / 375206.6 kg

SARA 311/312 Classification:

Skin corrosion/irritation - Category 2

Serious eye damage/ eye irritation - Category 2A

Skin sensitization - Category 1

State Regulations:

Massachusetts: None of the components are listed

New York: None of the components are listed

New Jersey: None of the components are listed

Pennsylvania: None of the components are listed

Section 16. Other Information

HMIS Rating:

Health – 2

Flammability – 0

Physical Hazard – 0

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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