


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

Product Name: RenewWrap® LPL Saturant Part B
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 Hardener
Product Use: Concrete Repairs
Chemical Name or Synonym: N/A

Section 2. Hazards Identification
Classification of the substance or mixture

Acute toxicity / oral – Category 4
 Acute toxicity / dermal – Category 4
 Skin Corrosion/irritation – Category 1
 Serious Eye Damage/Eye Irritation – Category 1
 Acute toxicity / inhalation – Category 4
 Aquatic Chronic (Long term) – Category 2

Label Elements:

Hazard Statement(s):

H302 Harmful if swallowed
 H312 Harmful in contact with skin
 H314 Causes severe skin burns and eye damage
 H318 Causes serious eye damage
 H332 Harmful if inhaled
 H411 Toxic to aquatic life with long lasting effects

Signal Word: Danger

Precautionary Statement(s):

P280 Wear protective gloves. Wear eye or face protection. Wear protective clothing
 P261 Avoid breathing vapor
 P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P301 + P310 + P330 + P331 IF SWALLOWED: Immediately call a POISON CENTER or physician. Rinse mouth. Do NOT induce vomiting.
 P303 + P361 + P353 + P363 + P310 – IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. Wash contaminated clothing before reuse. Immediately call a POISON CENTER or physician.
 P302 + P352 + P363 – IF On SKIN: Wash with plenty of soap and water. Wash contaminated clothing before reuse.



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P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P305+P354+P338 IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Section 3. Composition/ Information on Ingredients

Mixture:

Chemical Name	CAS-No	Weight %
Poly[oxy(Methyl-1,2-Ethanediy)], α-(2-Aminomethylethyl)-ω-(2-Aminomethylethoxy)	9046-10-0	25 – 50
Proprietary Ingredient	N/A	10 – 25
2-Methylpentane-1,5-diamine	15520-10-2	< 20
Phenol, styrenated	61788-44-1	10 – 25

Section 4. First Aid Measures

First Aid Measures for Accidental:

Inhalation: Take precautions to ensure your own safety before attempting rescue (e.g. wear appropriate protective equipment). Remove source of exposure or move to fresh air. If experiencing respiratory symptoms (e.g. coughing, shortness of breath, wheezing), call a Poison Centre or doctor. Immediately call a Poison Centre or doctor.

Skin Contact: Avoid direct contact. Wear chemical protective clothing if necessary. Take off contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Immediately rinse with lukewarm, gently flowing water for 15-20 minutes. If skin irritation occurs get medical advice/attention.

Eye Contact: Avoid direct contact. Wear chemical protective gloves if necessary. Immediately rinse the contaminated eye(s) with lukewarm, gently flowing water for 15-20 minutes, while holding the eyelid(s) open. If eye irritation persists, get medical advice/attention.

Ingestion: Rinse mouth with water. Never give anything by mouth if victim is rapidly losing consciousness or is unconscious or convulsing. Do not induce vomiting. Get medical advice/attention if you feel unwell or are concerned.

Most important symptoms/effects, acute and delayed:

Inhalation: Dust irritates the respiratory system and may cause coughing and difficulties in breathing.

Eye contact: Dust may be irritating to the eyes and respiratory tract and may cause a low-level inflammatory response in the lungs. Not known to cause permanent injury to eye tissue.

Skin Contact: If on skin: may cause moderate to severe irritation. If in eyes: may cause moderate to severe irritation. May cause sensitization by skin contact.

Ingestion: Ingestion may cause severe irritation of the mouth, the esophagus and the gastrointestinal tract.

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.

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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. Use water to keep non-leaking, fire-exposed containers cool.

Unsuitable Extinguishing Media: No data available

Special Fire Fighting Procedures: Wear complete firefighting gear and self-contained breathing apparatus to protect against potential harmful and/or irritating fumes.

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. In a fire, the following hazardous materials may be generated: carbon monoxide, carbon dioxide and nitrogen oxides.

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: Small spills or leaks: stop or reduce leak if safe to do so. Contain and soak up spill with absorbent that does not react with spilled product. Place used absorbent into suitable, covered, labelled containers for disposal. Large spills or leaks: dike spilled product to prevent runoff. Collect using shovel/scoop or approved HEPA vacuum and place in a suitable container for disposal.

Section 7. Handling and Storage

Precautions for safe handling: Do not breathe in this product. Prevent all skin contact. Do not get in eyes. Only use where there is adequate ventilation. Immediately report leaks, spills or failures of the safety equipment (e.g. ventilation system). If product is transferred to another container, ensure new container is suitable for the product. Wear personal protective equipment to avoid direct contact with this chemical. Do NOT eat, drink or store food in work areas. Remove contaminated clothing and protective equipment before entering eating areas or leaving work area. Wash hands thoroughly after handling this material.

Conditions for safe storage including any incompatibilities: Store in an area that is: ventilated. Store in corrosive resistant container with a resistant inner liner. Empty containers may contain hazardous residue. 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.


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Section 8. Exposure Controls / Personal Protection

Control Parameters (Exposure Limits): None exposure limit for the ingredients.

Appropriate Engineering Control: In a confined space: general ventilation is usually adequate. For large scale use of this product: do not allow product to accumulate in the air in work or storage areas, or in confined spaces. Provide eyewash and safety shower if contact or splash hazard exists.

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 suitable protective clothing as protection against splashing or contamination. Wash promptly with soap and water if skin becomes contaminated. Protective gloves should be used if there is a risk of direct contact or splash. Chemical resistant gloves are recommended. If contact with forearms is likely wear gauntlet style gloves. Wear rubber boots. Wear appropriate clothing to prevent repeated or prolonged skin contact.

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.

Additional protective measures: None

Section 9. Physical and Chemical Properties

Physical State:	Liquid
Colour:	Yellow
Odor:	Amine-like
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



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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: None expected under normal conditions of storage and use.

Conditions to Avoid: No specific data.

Incompatible Materials / Chemicals: Oxidizing agents.

Hazardous Decomposition Products: In a fire, the following hazardous materials may be generated: carbon monoxide, carbon dioxide and nitrogen oxides.

Section 11. Toxicological Information

Information in the likely route of exposure:

Potential Acute Health Effects:

Skin contact: Irritating to skin.

Eye contact: Irritating to eyes.

Inhalation/Ingestion: In a confined space: general ventilation is usually adequate. For large scale use of this product: do not allow product to accumulate in the air in work or storage areas, or in confined spaces.

Acute Toxicity:

Chemical Name	Result	Species	Dose
2-Methylpentane-1,5-diamine	LC50 Vapor	Rat	2,900 mg/m ³ (1 hr)
	LD50 Oral	Rat	1,690 mg/kg
Phenol, Styreneated	LD50 Dermal	Rabbit	>5,010 mg/kg

Potential Acute Health Effects:

Eye contact: Causes serious eye irritation.

Skin contact: Causes severe burns. 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: Adverse symptoms may include stomach pains.

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:

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

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



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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.
Numerical measures of toxicity:

Acute toxicity estimates:

Route	ATE value
Oral	8578.68 mg/kg
Dermal	5583.76 mg/kg
Inhalation (vapors)	55.84 mg/L

Section 12. Ecological Information

Ecotoxicity: No data available
Persistence and degradability: No data available
Bioaccumulative potential:

Product	LogPow
Poly[oxy(Methyl-1,2-Ethanediy)], α -(2-Aminomethylethyl)- ω -(2-Aminomethylethoxy)	1.34 (Low potential)

Mobility in soil: No determined
Other adverse effects: No known significant effects or critical hazards.

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:**

UN number: UN2735
UN proper shipping name: Amines, liquid, corrosive, n.o.s. (Poly[oxy(Methyl-1,2-Ethanediy)], α -(2-Aminomethylethyl) - ω - (2-Aminomethylethoxy)
Transport hazard class: Class 8
Packing group: III
Environmental hazard: Yes

IMDG



SAFETY DATA SHEET

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UN number: UN2735
UN proper shipping name: Amines, liquid, corrosive, n.o.s. (Poly[oxy(Methyl-1,2-Ethanediy)], alpha-(2-Aminomethylethyl) -omega- (2-Aminomethylethoxy)
Transport hazard class: Class 8
Packing group: III
Environmental hazard: Yes

IATA
UN number: UN2735
UN proper shipping name: Amines, liquid, corrosive, n.o.s. (Poly[oxy(Methyl-1,2-Ethanediy)], alpha-(2-Aminomethylethyl) -omega- (2-Aminomethylethoxy)
Transport hazard class: Class 8
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 packaging meet the general provisions of §§ 173.24 and 173.24a.

IMDG: The marine pollutant mark is ot required when transported in sizes of <= 5 L or <= 5 kg.

IATA: The environmentally hazardous substance mark may appear if required by other transportation regulations

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 Water Act (CWA) 307 & 311: Phenol

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

SARA 302/304

Composition/information on ingredients

Table with 4 columns: Name, EHS, SARA 302 TPQ, SARA 304 RQ. Row 1: Phenol, Yes, 500 lbs, 1000 lbs,

SARA 304 RQ: 277777.8 lbs / 126111.1 kg

State Regulations:

Massachusetts: None of the components are listed

New York: None of the components are listed


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New Jersey: None of the components are listed

Pennsylvania: None of the components are listed

California Prop. 65: This product does not require a Safe Harbor warning un California Prop 65.

Section 16. Other Information
HMIS Rating

Health - 3

Flammability - 0

Physical Hazards - 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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