SAFETY DATA SHEET

According to Regulation (EC) No 1907/2006 (REACH), Annex II, as amended by Regulation (EU) 2020/878

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

- **Trade name / Designation:** L&R ADVANCED FORMULA TEMPORARY CEMENT REMOVER
- **Product Code (PCN):** 293

1.2. Relevant identified uses of the substance or mixture and uses advised against

- **Relevant identified uses:** Ultrasonic Cleaning Solution. Used as is for removing temporary cement.
- **Uses advised against:** Do not use directly in an ultrasonic tank.

1.3. Details of the supplier of the safety data sheet

- **Manufacturer:** L&R Manufacturing Company, 577 Elm Street, P.O. Box 607, Kearny, NJ 07032-0607 USA. Tel: 201-991-5330. www.lrultrasonics.com
- **Authorized EU Representative:** Advena Ltd, Tower Business Center, 2nd floor, Tower Street, Swatar, BKR 4013, Malta. Phone: +44 (0) 1926 800 153. info@advenamedical.com

1.4. Emergency telephone number

- **In the US (CHEMTEL):** 800-255-3924
- **International:** +1-813-248-0585

1.5. Product SDS Publication Revision R Date: 10/21/2026

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]:

- **Skin Corrosion, Category 1B:** H314: Causes severe skin burns and eye damage.
- **Serious Eye Damage, Category 1:** H318: Causes serious eye damage.
- **Acute Toxicity (Oral), Category 4:** H302: Harmful if swallowed.
- **Flammable Liquid, Category 3:** H226: Flammable liquid and vapour.

2.2. Label elements



- **Signal Word:** DANGER
- **Hazard Statements:** H226 - Flammable liquid and vapour. H314 - Causes severe skin burns and eye damage. H302 - Harmful if swallowed.

- **Precautionary Statements:** P210 - Keep away from heat, sparks, open flames. P280 - Wear protective gloves/clothing/eye protection/face protection. P301+P330+P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P303+P361+P353 - IF ON SKIN: Take off immediately all contaminated clothing. Rinse skin with water. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. P310 - Immediately call a POISON CENTER or doctor.

2.3. Other hazards

The mixture does not meet PBT/vPvB criteria. No components possess endocrine disrupting properties at >= 0.1%.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Component Name	CAS No.	Percentage
Water	7732-18-5	60-70%
2-Propoxyethanol	2807-30-9	10-20%
Quaternary Ammonium Chloride Surfactant	68610-19-5	1-10%
Sodium Dodecyl benzenesulfonate	25155-30-0	1-10%
Sodium Hydroxide	1310-73-2	1-10%

SECTION 4: First aid measures

- **Inhalation:** Move victim to fresh air. Seek medical attention if distress continues.
- **Skin:** Wash thoroughly with water. If irritation or redness develops, seek medical attention.
- **Eyes:** Hold eyelids open and flush with a steady, gentle stream of water for at least 15 minutes. Seek medical attention.
- **Ingestion:** Seek immediate medical attention. DO NOT INDUCE VOMITING.

SECTION 5: Firefighting measures

- **Extinguishing Media:** Dry chemical, CO2, or BC/ABC extinguisher.
- **Specific Hazards:** Product will burn under fire conditions. Closed containers may explode due to pressure buildup under extreme heat. Releases oxides of carbon and nitrogen.

SECTION 6: Accidental release measures

Absorb with inert liquid-binding material (sand, diatomite, acid binders, universal binders). Neutralize carefully with diluted acid if permitted. Clean the affected area thoroughly with water.

SECTION 7: Handling and storage

- **Handling:** AVOID CONTACT WITH SKIN, EYES OR CLOTHING. Wear personal protective equipment.
- **Storage:** Store between 40 to 100°F (4.4 to 37.8°C). Protect from moisture and freezing. Keep away from strong acids, oxidizing agents, and aluminum.

SECTION 8: Exposure controls/personal protection

- **Sodium Hydroxide Exposure Limits:** 2 mg/m3 OSHA/PEL / ACGIH TWA.
- **Engineering Controls:** Normal room ventilation.
- **Personal Protective Equipment:** Safety glasses to protect from splashing. Rubber or plastic gloves to avoid drying and skin irritation.

SECTION 9: Physical and chemical properties

- **Physical State / Color:** Clear Liquid / Pale Amber
- **pH:** 13 (Strongly Alkaline)
- **Boiling Point:** 210-212 °F (98.9-100 °C)
- **Flash Point:** 136° F (57.8° C) Tag Closed Cup
- **Specific Gravity:** 1.05
- **Solubility:** Soluble in water

SECTION 10: Stability and reactivity

- **Chemical Stability:** Stable
- **Incompatible Materials:** Strong acids, strong oxidizing agents, aluminum.
- **Hazardous Decomposition:** Oxides of carbon and nitrogen.

SECTION 11: Toxicological information

Acute Oral Toxicity LD50: 2 Propoxy Ethanol = 3089 mg/kg; Sodium Hydroxide = 40 mg/kg (mouse); Sodium Dodecyl benzenesulfonate = 438 mg/kg.

Corrosive liquid: Causes severe burns to skin and eyes.

Endocrine disruption: No components identified.

SECTION 12: Ecological information

No data available. Surfactants comply with Regulation (EC) No 648/2004 on detergents.

SECTION 13: Disposal considerations

Dispose of with dilution in sanitary sewer system, where permitted by local, federal, and state regulations.

SECTION 14: Transport information

- **UN Number:** UN2924
- **Proper Shipping Name:** FLAMMABLE LIQUID, CORROSIVE, N.O.S. (Contains 2-propoxyethanol, sodium hydroxide)
- **Class / Packing Group:** Class 3, Subsidiary Risk 8, PG III

SECTION 15: Regulatory information

Complies with Regulation (EC) No 1907/2006 (REACH) Annex II as amended by Regulation (EU) 2020/878 and Regulation (EC) No 1272/2008 (CLP). All components listed on TSCA, DSL, EINECS/ELINCS.

SECTION 16: Other information

This SDS has been updated to align with the required formatting standard for European regulatory compliance. Revision R, issue date 10/21/2026.

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