



SAFETY DATA SHEET

1. Identification of Substance and Manufacturer:

ADVANCED FORMULA TEMPORARY CEMENT REMOVER PCN: 293

Use: Ultrasonic Cleaning Solution, use as is.

Manufacturer : L&R Manufacturing Company, 577 Elm Street, P.O. Box 607 Kearny, NJ 07032-0607 USA.

Publication Date: 3/20/2014

REV: L

Product information call 201-991-5330 www.lrultrasonics.com

For emergencies involving a spill, leak fire or accident contact CHEMTREC 800-424-9300 with the United States. Or (01) 703-527-3887 (USA) for International collect calls

2. HAZARDS IDENTIFICATION



WARNING! CORROSIVES, IRRITANT. HARMFUL IF SWALLOWED.

Physical appearance and odor: Amber Liquid with Characteristic Detergent Odor

A: Warning Statement:

Good industrial hygiene practices should be used when handling this material.

Acute Eyes: Direct contact will cause severe irritation to the eyes.

Acute Skin: Will cause irritation to skin..

Acute Inhalation: May cause irritation to nose, throat, along with possible respiratory irritation.

Acute Ingestion: Can cause severe irritation to the mucous membranes.

B: POTENTIAL HEALTH EFFECTS:

Chronic Effects: This product does not contain any ingredient designated by IARC, NTP, ACGIH or OSHA as probable or suspected human carcinogens.

Do not use directly in an ultrasonic tank.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS Number	Percentage
WATER	7732-18-5	60 - 70
2-Propoxyethanol	2807-30-9	10-20
Quaternary Ammonium Chloride Surfactant	68610-19-5	1-10
Sodium Dodecylbenzenesulfonate	25155-30-0	1- 10
Sodium Hydroxide	1310-73-2	1 - 10

The exact concentration of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

Eye Exposure: Hold eyelids open and flush with a steady, gentle stream of water for at least 15 minutes. Seek medical attention.

Skin Exposure: Wash thoroughly with water. If irritation or redness develops, seek medical attention.

Inhalation: If respiratory irritation or distress occurs, move victim to fresh air. Seek medical attention if respiratory irritation or distress continues.

Ingestion: Seek immediate medical attention. DO NOT INDUCE VOMITING.

MEDICAL CONDITIONS POSSIBLY AGGRAVATED BY EXPOSURE: Skin contact may aggravate existing skin disease.

5. FIRE FIGHTING MEASURES

FIRE HAZARD DATA:

Suitable Extinguishing Media: Extinguish with dry chemical, CO₂ or a BC/ABC extinguisher.

Special Fire Fighting Procedures: None known

Unusual Fire and Explosion Hazards: Product will burn under fire conditions. Closed containers may explode due to build up of pressure when exposed to extreme heat.

Hazardous Decomposition Materials: under fire conditions) Oxides of carbon and nitrogen

6. ACCIDENTAL RELEASE MEASURES:

Cleanup and Disposal of Spill:

Mop up spill and dispose of by dilution to a sanitary sewer system as permitted by local, state and federal regulations.

Environmental and Regulatory Reporting: Not required

7. HANDLING AND STORAGE

Minimum/Maximum Storage Temperatures: 40 to 100^oF. Protect from freezing

HANDLING: AVOID CONTACT WITH SKIN, EYES OR CLOTHING

8. EXPOSURE CONTROL/PERSONAL PROTECTION

General: These recommendations provide general guidance for handling of this product. Because specific work environments and material handling practices vary, safety procedures should be developed for each intended application. When developing safe handling procedures, do not overlook the need to clean and dispose of the material. Waste resulting from the use of this product should be handled in accordance with Section 13: Disposal Considerations.

Exposure Guidelines: Exposure limits are recommended worker breathing limits. The following limits apply to this material:

INGREDIENTS

Water
 Quaternary Ammonium Chloride
 Sodium Hydroxide

LIMITS

None established
 400 PPM ASHA TWA
 2 mg / m³ OSHA / PEL

INGREDIENTS

2 Propoxy Ethanol
 Sodium Dodecylbenzene Sulfonate

LIMITS

2 mg /m³ ACGIH TWA
 None established

Engineering Controls: Normal room ventilation.

Respiratory Controls: For reasonable uses of this material, respiratory protection should not be necessary.

Eye/Face Protection: Safety glasses to protect from splashing.

Skin Protection: Rubber or plastic gloves to avoid drying and irritation to the skin.

Work Practice Control: Normal hygiene in the work area should be taken when working with or handling this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Clear Liquid

pH: 13

Water Solubility: Soluble

Freezing Point Range: Less than 32 ° F

Vapor Pressure: Not established

Flash Point: 136 ° F (57.8 ° C) **Method:** Tag Closed Cup

Flammability limits (vol/vol %): Lower: No Data **Upper:** No Data

Percent volatile by volume: Approx. 85 % by volume as water **V.O.C. (calculated):** 1.24 lbs./ gal or 148.3 grams / l.

Color: Pale Amber

Specific Gravity: 1.05

Melting Point Range: Not available

Boiling Point: 210 -212 °F.

Vapor Density: Not established

Odor: Characteristic Detergent odor.

Odor Threshold: Not available

Evaporation Rate: Not available

Partition Coefficient; n-octanol / water: Not available

Decomposition Temperature: Not available

Auto Ignition Temperature: Not available

Viscosity: Similar to water

10. STABILITY AND REACTIVITY

Chemical Stability: Stable

Conditions to be avoided: Heat and open flames

Materials/Chemicals to be avoided: Strong acids, strong oxidizing agents, aluminum.

Decomposition Type: Thermal Oxides of carbon and nitrogen.

Possibility of Hazardous Reactions: WILL NOT OCCUR

11. TOXICOLOGICAL INFORMATION

Acute Eye Irritation: Irritating to eyes.

Acute Skin Irritation: No test data found for product.

Acute Dermal Toxicity: No test data found for product.

Acute Respiratory Irritation: No test data found for product.

Acute Inhalation Toxicity: No test data found for product.

Acute Oral Toxicity LD50 (rat): 2 Propoxy Ethanol = 3089 mg/kg Sodium Hydroxide = LD 50 (mouse) 40 mg/kg

Sodium Dodecylbenzenesulfonate = 438 mg/kg Quaternary Ammonium Chloride Surfactant = Unknown LD 50

Chronic Toxicity: This product does not contain any substances that are considered by OSHA, NTP, IARC OR

ACGIH to be a probable or suspected human carcinogen. No additional test data was found for this product.

12. ECOLOGICAL INFORMATION

Ecotoxicological Information: No data found.

13. DISPOSAL CONSIDERATIONS

This product can be disposed in sanitary sewer system, with dilution, where permitted by local, federal and state regulations.

14. TRANSPORTATION INFORMATION

DOT HAZARD CLASS: ORM-D. For containers over 1 gallon or for export: Flammable liquid, corrosive, n.o.s. (Contains 2-propoxyethanol, sodium hydroxide), 3 UN2924, PG III, EmS F-E, S-C Subsidiary Risk 8. Do not stack cartons more than five high.

15. REGULATORY INFORMATION

Inventory Issues: All components of this product are listed on the U.S. TSCA, Canadian DSL, European EINECS/ELINS chemical listings

16. OTHER INFORMATION**National Fire Protection Association**

Hazard Rating, NFPA

Health

Flammability

Reactivity

Special

2

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MSDS CHANGES

REV

DATE

DESCRIPTION OF CHANGE

K

1/31/2013

Update formula

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3/20/2014

SDS Format

Disclaimer: The information herein is given in good faith but no warranty expressed or implied is made. This SDS has been prepared by L&R Manufacturing Company.