



MATERIAL SAFETY DATA SHEET

ADVANCED FORMULA TEMPORARY CEMENT REMOVER

PCN(s): 293

Publication Date 08/08/99

REV: B

1. SUPPLIER AND EMERGENCY INFORMATION

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

Product Information
Call: 201-991-5330

Emergency Phone Numbers:

For emergencies involving a spill, leak,
fire or accident contact:
CHEMTREC - 800-424-9300
within the United States or 703-527-3887
for international collect calls.

2. COMPOSITION/INFORMATION ON INGREDIENTS

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

3. HAZARDS IDENTIFICATION

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.

B: POTENTIAL HEALTH EFFECTS:

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

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

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:

FLASH POINT: 136 °F (57.8 °C)

METHOD USED: Tag Closed Cup

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

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 sulfur and carbon.

6. ACCIDENTAL RELEASE MEASURES

Cleanup and Disposal of Spill: Biodegradable product. 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: 39 to 110 °F. 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

INGREDIENTS	LIMITS
Water	None established
2 Propoxy Ethanol	200 PPM OSHA/ACGIH TWA
Quaternary Ammonium Chloride	400 PPM ASHA TWA
Sodium Dodecylbenzene Sulfonate	None established
Sodium Hydroxide	2 mg/m ₃

8. EXPOSURE CONTROL/PERSONAL PROTECTION, CONTINUED

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 Appearance: Clear pale amber liquid.

pH: 13

Water Solubility: Soluble

Freezing Point Range: Less than 32 °F

Vapor Pressure: Not established

Percent volatile by volume: Approx. 85% as water

Odor: Mild detergent like odor.

Specific Gravity: 1.05

Melting Point Range: Not available

Boiling Point : 210- 212 °F

Vapor Density: Not established

V.O.C. (calculated) : 1.31 lbs./ gal or 1 56.6 grams / l.

10. STABILITY AND REACTIVITY

Chemical Stability:

This material is stable under normal handling and storage conditions as described in Section 7.

Conditions to be avoided: Heat, open flame.

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

Decomposition type: Thermal Oxides of carbon and nitrogen.

Hazardous Polymerization: WILL NOT OCCUR

Avoid the following to inhibit hazardous polymerization: NOT APPLICABLE

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

Quaternary Ammonium Chloride = NO INFORMATION

Sodium Dodecylbenzene Sulfonate = 438 mg/kg.

Sodium Hydroxide = (mouse) 40 mg / kg.

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 carcinogens. No additional test data was found for this product.

12. ECOLOGICAL INFORMATION

Ecotoxicological Information: No data found .

13. DISPOSAL CONSIDERATIONS

This product is biodegradable and can be disposed in sanitary sewer svstems where permitted by local, federal and state regulations.

14. TRANSPORTATION INFORMATION

DOT HAZARD CLASS: ORM-D. FOR CONTAINERS OVER 1 GALLON or for export/ air: Corrosive liquid basic inorganic n.o.s. (Contains Sodium Hydroxide). 8 UN 3266, PG II 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.

SARA TITLE III HAZARD CLASSES

FIRE HAZARD
YES

REACTIVITY HAZARD
NO

RELEASE OF PRESSURE
NO

CHRONIC HEALTH HAZARD
NO

16. OTHER INFORMATION

**National Fire Protection Association
Hazard Rating, NFPA**

Health	Flammability	Reactivity	General
2	2	0	--

MSDS CHANGES

REV	DATE	DESCRIPTION OF CHANGE	AUTHOR
A	03/01/99	Change to ANSI MSDS FORMAT	P. Simon
B	08/08/99	Change wording of section 3A	P. Simon

Disclaimer: The information herein is given in good faith but no warranty expressed or implied is made

Prepared By: Philip Simon

Date: 03/01/99

Product Name: **ADVANCED FORMULA TEMPORARY CEMENT REMOVER**