



MATERIAL SAFETY DATA SHEET

TARTAR, LIGHT STAIN & PERMANENT CEMENT REMOVER

PCN(s): 232

Publication Date 11/28/05

REV: G

1. SUPPLIER AND EMERGENCY INFORMATION

L&R Manufacturing Company
77 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	80-85
Amidosulfamic Acid	5329-14-6	10-15
Sodium 2-Ethylhexyl Sulfate	126-92-1	1-5

3. HAZARDS IDENTIFICATION

Physical appearance and odor: Colorless liquid with mild sweet odor

A: WARNING STATEMENT:

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

Acute Eyes: Direct contact causes irritation, redness and possible tearing.

Acute Skin: Prolonged or repeated contact causes redness, and drying and of the skin.

Acute Inhalation: Breathing high concentrations of vapors or mists may cause irritation to the nose and throat.

Acute Ingestion: Product is acidic and will cause irritation to the stomach and mucous membranes.

B: POTENTIAL HEALTH EFFECTS:

Chronic Effects: This product does not contain any ingredient designated by IARU, N.T.P., 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. Give large quantities of water if conscious.

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

5. FIRE FIGHTING MEASURES

FIRE HAZARD DATA:

FLASH POINT: None

METHOD USED: N/A

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: Closed containers may explode due to build up of pressure when exposed to extreme heat.

Hazardous Decomposition Materials: None known

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 120 °F. Protect from freezing. Freezing will cause crystallization of this product. Product may be thawed in hot water and then mixed vigorously to re-dissolve.

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

Amidosulfamic Acid

Sodium 2-Ethylhexyl Sulfate

LIMITS

None established

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 Appearance: Colorless clear liquid.
pH: 1.2 as supplied
Water Solubility: Soluble
Freezing Point Range: Less than 32 ° F
Vapor Pressure: Not established
Percent volatile by volume: Approx. 85% as water

Odor: Mild sweet odor.
Specific Gravity: 1.07
Melting Point Range: Not available
Boiling Point : 210- 212 ° F
Vapor Density: Not established
V.O.C. (calculated) = < 0.05 lbs./ gal or < 5 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: Excessive heat.
Materials/Chemicals to be avoided: Strong bases, nitrates, nitrites, chlorates, chlorine, hypochlorite, cyanides or sulfides.
Decomposition type: Thermal , May release oxides of sulfur or ammonia gases.
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: Sulfamic Acid, LD50 rat = 3160 mg/kg
Sodium 2-Ethylhexyl Sulfate, LD50 rat = 4 grams/kg
Chronic Toxicity: This product does not contain any substances that are considered by OSHA, NTP, IARU 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 system where permitted by local, federal and state regulations.

14. TRANSPORTATION INFORMATION

Product is classified as ORM-D for containers of one (1) gallon or less ship by domestic ground transportation.
FOR EXPORT : Corrosive liquid, Acidic, inorganic n.o.s. (contains Sulfamic Acid) , UN3264, 8 , Packing Group III, EMS 8-15
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	Health	Flammability	Reactivity	General
Hazard Rating, NFPA	2	0	0	--

MSDS CHANGES

<u>REV</u>	<u>DATE</u>	<u>DESCRIPTION OF CHANGE</u>
G	11/28/05	Reissued

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

Prepared By: L&R Manufacturing Company

Date: 02/11/99

Product Name: **TARTAR, LIGHT STAIN & PERMANENT CEMENT REMOVER**