



SAFETY DATA SHEET

1. Identification of Substance and Manufacturer:

Alginate Remover PCN: 240 Use: Ultrasonic Alginate Remover Solution. Dilute as directed.

Manufacturer: L&R Manufacturing Company, 577 Elm Street, P.O. Box 607 Kearny, NJ 07032-0607 USA. Publication Date: 5/4/2018 REV: L

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

For emergencies involving a spill, leak fire or accident contact CHEMTEL TREC 800-255-3924 within the United States. Or 1-813-248-0585 for International calls.

1. HAZARDS IDENTIFICATION



WARNING! IRRITANT! MAY BE HARMFUL IF SWALLOWED.

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 of the skin.

Acute Inhalation: Breathing high concentrations of dust, vapors or mists will cause irritation to the respiratory tract.

Acute Ingestion: Will be irritating to mucous membrane of the mouth, throat and stomach.

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.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS Number	Percentage
Silicic Acid disodium salt	1344-09-8	10 - 20
Sodium Phosphate, Tribasic	1010-89-0	80 - 90

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: Non-Combustible

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

Special Fire Fighting Procedures: None known

Unusual Fire and Explosion Hazards: Product may react with strong acids.

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

6. ACCIDENTAL RELEASE MEASURES

Cleanup and Disposal of Spill: Sweep up powder, avoid breathing dust. Dispose of by dilution to a sanitary sewer system as permitted by Federal, State and Local regulations. **Environmental and Regulatory Reporting:** Not required

7. HANDLING AND STORAGE

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

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	LIMITS	INGREDIENTS	LIMITS
Silicic Acid Disodium Salt	None established	Sodium Phosphate, Tribasic	5 mg/m ³ TWA
			(for Tetrasodium pyrophosphate) OSHA

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: Powder

pH: Approximately 12, as 1% solution

Water Solubility: Soluble

Color: White

Specific Gravity: Not Applicable

Melting Point Range: Not available

Odor: None

Odor Threshold: Not available

Evaporation Rate: Not Applicable

Freezing Point Range: Not established **Boiling Point:** Not established **Partition Coefficient; n-octanol / water:** Not available
Vapor Pressure: Not established **Vapor Density:** Not established **Decomposition Temperature:** Not available
Flash Point: None **Method:** Tag Closed Cup **Auto Ignition Temperature:** Not available
Flammability limits (vol/vol %): **Lower:** Not Applicable **Upper:** Not Applicable
Percent volatile by volume: None Volatile **V.O.C. (calculated):** Virtually Zero (0)

10. STABILITY AND REACTIVITY

Chemical Stability: Stable
Conditions to be avoided: Keep away from moisture
Materials/Chemicals to be avoided: Avoid contact with acidic materials
Decomposition Type: Thermal: None Known
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) = 800 mg / kg for Silicic Acid Disodium Salt
LD50(rat) = 285 mg / kg for Sodium Phosphate Tribasic
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 of with dilution in sanitary sewer system, where permitted by local, federal and state regulations.

14. TRANSPORTATION INFORMATION

This product is not regulated for D.O.T. shipping. 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	0	0	--

SDS CHANGES

<u>REV</u>	<u>DATE</u>	<u>DESCRIPTION OF CHANGE</u>
L	5/4/2018	Change in Emergency Contact Information

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.