

## SAFETY DATA SHEET

Manufacturer: L&R Manufa Publication Date: 3/20/2014 Product information call 201 For emergencies involving a	ENTRATE PCN: 133,134 ition, diluted as per instructions cturing Company, 577 Elm Street, P REV: I -991-5330 <u>www.lrultrasonics.com</u>	HEMTREC 800-424-9300 with the United
2. HAZARDS IDENTIFICATIO		
A: WARNING STATEMENT: Good indus Acute Eyes: Direct contact causes in Acute Skin: Prolonged or repeated of Acute Inhalation: Breathing high c Acute Ingestion: Not known, but w B: POTENTIAL HEALTH EFFE	ritation, redness and possible tearing. ontact causes redness, and drying of the skin. oncentrations of vapors or mist causes irritation ould be expected to cause nausea and diarrhea C <b>TS</b> :	when handling this material.
3. COMPOSITION/INFORMATION Component WATER ISOPROPYL ALCOHC OLEIC ACID PINE OIL	<b>CAS Number</b> 7732-18-5	Percentage 10 - 25 20 - 25 5 - 10 5 - 10
AMMONIUM HYDRO The exact concentration of composit	XIDE 1336-21-6 on has been withheld as a trade secr	30 – 40 ret.
Skin Exposure: Wash thoroughly w Inhalation: If respiratory irritation of continues. Ingestion: Seek immediate medical	ith water. If irritation or redness develops, see r distress occurs, move victim to fresh air. Se attention. DO NOT INDUCE VOMITING.	for at least 15 minutes. Seek medical attention. ek medical attention. ek medical attention if respiratory irritation or distress kin contact may aggravate existing skin disease.
Special Fire Fighting Procedures: Unusual Fire and Explosion Haza pressure when exposed to extreme h	inguish with dry chemical, CO <sub>2</sub> or a BC/ABC Wear full protective clothing and self-contain <b>ds:</b> May be ignited by excess heat, sparks or	ed breathing apparatus (SCBA) approved for fire fight flames. Closed containers may explode due to build up
6. ACCIDENTAL RELEASE MEAS Cleanup and Disposal of Spill: Moregulations. Regulatory Reporting: Not require	p up spill and dispose of by dilution to a sanit	tary sewer system as permitted by local, state and feder
7. HANDLING AND STORAGE Minimum/Maximum Storage Ten HANDLING: AVOID CONTACT W	peratures: 39 to 90 <sup>0</sup> F. Protect from freezing	g.

	d dispose of the material. Waste re	esulting from the use of this p	Then developing safe handling procedures, do product should be handled in accordance with g limits apply to this material:		
Pine oil 100 Water Nor Engineering Controls: Normal re		INGREDIENTS Oleic Acid Ammonium hydroxide	LIMITS None Established 50 PPM (as ammonia) OSHA/PEL		
<b>Respiratory Controls:</b> For reason <b>Eye/Face Protection:</b> Safety glass <b>Skin Protection:</b> Rubber or plasti <b>Work Practice Control:</b> Normal	ses to protect from splashing. ic gloves to avoid drying and irrita	ation to the skin.			
9. PHYSICAL AND CHEMICAL P			~ · · · · · · · · · · · · · · · · · · ·		
<b>Physical State:</b> Hazy Liquid <b>pH:</b> Approximately 11.5 (as concentrate)	Color: Yellow / Green Specific Gravity: 0.915		Strong Ammonia Odor reshold: Not available		
Water Solubility: Soluble	Melting Point Range: No	ot available Evaporati	ion Rate: Not Applicable		
Freezing Point Range: Not established	Boiling Point: 210-212 °		Coefficient; n-octanol / water: Not available		
Vapor Pressure: Not established Flash Point: 93 °F (33.9° C) Method: T	Vapor Density: Not estab Tag Closed Cup		sition Temperature: Not available tion Temperature: Not available		
Flammability limits (vol/vol %): Lower: N			<b>TY:</b> Similar to water		
Percent volatile by volume: Approximately 8		C. (calculated): 2.08 lbs./ gal or	c 249.3 gms / 1.		
10. STABILITY AND REACTIVIT	V				
Chemical Stability: Stable					
Conditions to be avoided: Heat a	Conditions to be avoided: Heat and open flame				
Materials/Chemicals to be avoid		g agents, aluminum.			
Decomposition Type: Thermal: Possibility of Hazardous Reaction					
11. TOXICOLOGICAL INFORMA					
Acute Eye Irritation: Irritating to Acute Skin Irritation: No test da					
Acute Skin Irritation: No test da Acute Dermal Toxicity: No test of					
Acute Bernial Toxicity. No test C Acute Respiratory Irritation: No					
Acute Inhalation Toxicity: No te	est data found for product.				
Acute Oral Toxicity: LD50 (rat			3200 mg/kg for Pine Oil		
Chronic Toxicity: This product d	350 mg/kg for ammonium hyd loes not contain any substances th		5045 mg/kg for isopropyl alcohol NTP, IARC OR		
ACGIH to be a probable or suspec	-	-			
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12. ECOLOGICAL INFORMATIO					
Ecotoxicological Information: N	o data found.				
13. DISPOSAL CONSIDERATION	JC				
This product can be, with dilution, disposed		ermitted by local, federal and	d state regulations.		
14. TRANSPORTATION INFORM			• • • • • • • • • • • • • • • • • • •		
This product is classified as a flammed as a flammed as or classified as ORM-D for containers of one (1			d domestic ground shippers, product is or all other containers, shippers		
FLAMMABLE LIQUID n.o.s. For air or ex					
stack cartons more than five high	-	¥ .			
15. REGULATORY INFORMATION					
Inventory Issues: All components of	this product are listed on the U.S.	ISCA, Canadian DSL, Europer	an EINECS/ELINS chemical listings		
16. OTHER INFORMATION					
National Fire Protection As	ssociation				
Hazard Rating, NFPA	Health Flammabilit	y Reactivity S	Special		
	2 3	0			
DEV	MSDS CH				
REV H	<u>DATE</u> 2/18/13	DESCRIPTION OF CHA Update Transporati			
H I	2/18/15 3/20/14	SDS format	1011		
*	5/20/1-1				
Disclaimer: The information herein	is given in good faith but 1	10 warranty expressed (	or implied is made. This Clock		