



SAFETY DATA SHEET

1. Identification of Substance and Manufacturer:

ELLANAR JEWELRY CLEANER CONCENTRATE AMMONIATED PCN(s) 094, 169, 170

Publication Date: 05/04/2018 REV: LC

Use: Ultrasonic jewelry cleaning solution, diluted as per instructions Manufacturer: L&R Manufacturing Company, 577 Elm Street, P.O. Box 607 Kearny, NJ 07032-0607 USA. Product information call 201-991-5330 www.lrultrasonics.com For emergencies involving a spill, leak fire or accident contact CHEMTEL 800-255-3924 within the United States. Or 1-813-248-0585 for International calls.

1. HAZARDS IDENTIFICATION



WARNING! FLAMMABLE LIQUID. IRRITANT. HARMFUL IF SWALLOWED.

Direct contact causes eye irritation. Prolonged skin contact causes redness and drying of the skin. Breathing high concentrations of vapors or mist cause irritation to the nose and drowsiness.

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 of the skin.

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

Acute Ingestion: Not known, but expected to cause nausea and diarrhea.

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

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS Number	Percentage
WATER	7732-18-5	10 - 25
ISOPROPYL ALCOHOL	67-63-0	22
OLEIC ACID	112-80-1	5 - 10
PINE OIL	8002-09-3	6.4
AMMONIUM HYDROXIDE SOLUTION	1336-21-6	35
SODIUM BICARBONATE	144-55-8	0.1-2.0
SODIUM TETRABORATE	1303-96-4	0.1-0.4

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: Flammable Liquid

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

Special Fire Fighting Procedures: Wear full protective clothing and self-contained breathing apparatus (SCBA) approved for firefighting.

Unusual Fire and Explosion Hazards: May be ignited by excess heat, sparks or flames. 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 ammonia vapor.

6. ACCIDENTAL RELEASE MEASURES

Cleanup and Disposal of Spill: Ventilate area of spill. Mop up spill and dispose of 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°F to 90°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

LIMITS

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Isopropyl Alcohol	400 PPM OSHA/AACGIH TWA	Oleic Acid	None Established
Pine Oil	100 PPM AACGIH TWA	Ammonium Hydroxide	50 ppm (as ammonia) OSHA/PEL
Water	None established	Sodium Bicarbonate	OEL-Australia TWA 0.1 ppm (.3mg/m3)
Sodium Tetraborate	5mg/m3 TWA		

Engineering Controls: Provide adequate 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: Wear 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: Hazy Liquid **Color:** Pink **Odor:** Strong Ammonia Odor
pH: Approximately 11.5 (as concentrate) **Specific Gravity:** 0.915 **Odor Threshold:** 5ppm **Water Solubility:** Soluble
Evaporation Rate: Not established **Freezing Point Range:** Not established **Boiling Point:** 210-212 ° F
Partition Coefficient; n-octanol / water: Not available **Vapor Pressure:** Not established
Decomposition Temperature: Not available **Flash Point:** 93° F (34° C) **Method:** Tag Closed
Auto Ignition Temperature: Not available **Flammability limits (vol/vol %):** Lower: Not Data Upper: No Data
Relative Vapor Density: Not established. **Viscosity:** Same as water
Percent volatile by volume: Approx. 85% by volume as water and alcohol.
V.O.C. (calculated): Concentrate 2.08 lbs/gal or 249.3 grams/l., when used as directed 0.26lb/gal or 31.2 grams/l.

10. STABILITY AND REACTIVITY

Chemical Stability: Stable

Conditions to be avoided: Keep away from heat and open flames

Materials/Chemicals to be avoided: Strong Acids, strong Oxidizing Agents and Aluminum

Hazardous Decomposition Products: 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: May cause nose and throat irritation.

Acute Oral Toxicity: LD50 (rat)=754gm/kg for oleic acid 3200 mg/kg for pine oil
350 mg/kg for ammonium hydroxide 5045 mg/kg for isopropyl alcohol
4220 mg/kg for sodium bicarbonate 2660 mg/kg for sodium tetraborate

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

14. TRANSPORTATION INFORMATION

For containers over one gallon and for export or air: Flammable liquid n.o.s. (Contains Isopropyl Alcohol), 3 UN 1993, Packing groups III. Limited Quantities for containers of one gallon or less shipped by domestic ground transportation. 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

National Fire Protection Association Hazard Rating, NFPA

Health	Flammability	Reactivity	Special
2	3	0	--

SDS CHANGES

<u>REV</u>	<u>DATE</u>	<u>DESCRIPTION OF CHANGE</u>
LC	05/04/2018	Change in Emergency Contact

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