



MATERIAL SAFETY DATA SHEET
#112 AMMONIATED ULTRASONIC INSTRUMENT
CLEANING SOLUTION

PCN(s): 026,188, 189, 190

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REV. D

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 INGREDIENT

Component	CAS Number	Percentage
Stoddard Solvent	8052-41-3	60-70
VM&P Naphtha	8032-32-4	15-20
Oleic Acid	112-80-1	5 -10
Isopropanolamine	78-96-6	1 - 5
2 Propoxyethanol	2807-30-9	1 - 5
Ammonium Hydroxide	1336-21-6	1 - 5

3. HAZARDS IDENTIFICATION

Physical appearance and odor: Pale amber liquid with ammonia type 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 of the skin.
Acute Inhalation: Breathing high concentrations of vapors or mists may cause irritation to the nose and drowsiness.
Acute Ingestion: Expected to cause nausea dizziness, drowsiness, irritation of the digestive tract.

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.

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: 82 °F (27.8°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 nitrogen and carbon.

6. ACCIDENTAL RELEASE MEASURES

Cleanup and Disposal of Spill: Ventilate area of spill, use non-reactive material to pick up spill. Dispose of in accordance with local, state and federal regulations.
Environmental and Regulatory Reporting: Not required.

7. HANDLING AND STORAGE

Minimum/Maximum Storage Temperatures: 39 to 100 °F. Protect from freezing. Freezing may cause separation the product. If product is allowed to return to room temperature and shaken, it may return to its original state.
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
Stoddard Solvent	100 ppm OSHA/ TWA	2-Propoxyethanol	None established
VM&P Naphtha	300 ppm OSHA/ ACGIH TWA	Ammonium Hydroxide 25° Be	50 ppm (as ammonia)
Oleic Acid	None established	Isopropanolamine	None established

