



# MATERIAL SAFETY DATA SHEET

## HANDGUN CLEANING SOLUTION

PCN(s) 278

Publication Date: 2/25/09

REV: Initial

### 1. SUPPLIER AND EMERGENCY INFORMATION Emergency Phone Numbers:

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:  
**CHEMTREC - 800-424-9300**  
within the United States or (01)703-527-3887 [USA] for  
International collect calls

### 2. HAZARDS IDENTIFICATION

**Physical appearance and odor:** Clear to hazy pale amber solution with virtually no odor.

**A: WARNING STATEMENT:** Good industrial hygiene practices should be used when handling this material.

**Acute Eyes:** Direct contact may cause mild irritation, redness and possible tearing.

**Acute Skin:** Prolonged or repeated contact may cause drying and of the skin.

**Acute Inhalation:** Breathing small amounts of this material during normal handling is not likely to cause harmful effects.

**Acute Ingestion:** Swallowing small amounts of this material during normal Handling is not likely to cause harmful effects.

**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 carcinogen.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS Number	Percentage
WATER	7732-18-5	40 - 70
Tetrapotassiumpyrophosphate	7320-34-5	1 - 10
NJ TRADE SECRET REGISTRY NUMBER	12777-5009	1 - 10
Surfactant blend	Blend N/a	5 - 15
Potassium Metasilicate	1312-76-1	1 - 10
Tetrasodium EDTA hydrate	64-02-8	1 - 10

### 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:** Give 1 to 2 glasses of water if conscious and seek Immediate medical attention. Contact a physician, medical facility, or Poison control center for advice whether to induce vomiting.

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

### 5. FIRE FIGHTING MEASURES

**FIRE HAZARD DATA:**

**FLASH POINT:** None to boiling **METHOD USED:** Tag Closed Cup

**Flammability limits (vol/vol %):** Lower: No Data Upper: No Data

**Suitable Extinguishing Media:** Extinguish with dry chemical, CO<sub>2</sub> 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:** (under fire conditions) Oxides of nitrogen and carbon.

### 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:** 40 to 100<sup>o</sup>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:

<u>INGREDIENTS</u>	<u>LIMITS</u>	<u>INGREDIENTS</u>	<u>LIMITS</u>
Tetrapotassium pyrophosphate	None established	Tetrasodium EDTA hydrate	None established
Potassium Metasilicate	None established	Surfactant Blend	No data found
NJTSR # 12777-5009	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 State:** Clear to hazy liquid.

**pH:** approximately 11.7 as concentrate

**Water Solubility:** Soluble

**Freezing Point Range:** Approx. 30 ° F

**Vapor Pressure:** Not established

**Flash Point:** None to boiling **Method:** Tag Closed Cup

**Flammability limits (vol/vol %): Lower:** No Data **Upper:** No Data

**Percent volatile by volume:** Approx. 75 % by volume **V.O.C. (calculated):** Less than 5.0 grams / l.

**Color:** Pale amber

**Specific Gravity:** 1.08 to 1.09

**Melting Point Range:** Not available

**Boiling Point:** approx. 212 ° F.

**Vapor Density:** Not established

**Odor:** virtually none

**Odor Threshold:** Not established

**Evaporation Rate:** Not available

**Partition Coefficient; n-octanol / water:** Not available

**Decomposition Temperature:** Not available

**Auto Ignition Temperature:** Not available

## 10. STABILITY AND REACTIVITY

**Chemical Stability:** Stable

**Conditions to be avoided:** Keep away from heat

**Materials/Chemicals to be avoided:** Strong acids

**Decomposition Type:** Thermal Oxides of carbon and nitrogen

**Possibility of Hazardous Reactions:** WILL NOT OCCUR

## 11. TOXICOLOGICAL INFORMATION

**Acute Eye Irritation:** May be 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:** No test data found for product.

**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

Dispose of in accordance with all applicable local, federal and state regulations.

## 14. TRANSPORTATION INFORMATION

This product is **NON HAZARDOUS** and **NOT REGULATED** per 49 CFR 172.101.

International ( I.M.O.) Proper shipping Name, **NOT REGULATED**

Air ( I.A.T.A.) Proper Shipping Name, **NOT REGULATED**

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

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### MSDS CHANGES

REV

DATE

DESCRIPTION OF CHANGE

Initial

3/26/08

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

Prepared By: L&R Manufacturing Company

Date: 02/25/09

Product Name: **HANDGUN CLEANING SOLUTION**