



# MATERIAL SAFETY DATA SHEET

## ULTRADOSE GERMICIDAL HOSPITAL GRADE

### ULTRASONIC CLEANER CONCENTRATE

PCN(s): UD036

Publication Date: 07 / 05 /00

REV: A

#### 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 703-527-388 for  
international collect calls

#### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS Number	Percentage
Water	7732-18-5	59.32
Isopropanol	67-63-0	9.90
O-Benzyl-P-Chlorophenol	0120-32-1	3.80
ParaTertiary-Amyl phenol	80-46-6	3.74
O-Phenylphenol	90-43-7	2.35
Anionic surfactant	119345-04-9	5-10
Tetrasodium EDTA Tetrahydrate	64-02-8	1-5
Sodium Sulfite	7757-83-7	0.5-1
Potassium Hydroxide solution	1310-58-3	1 - 5
Perfume	Mixture	0.1 - 1

#### 3. HAZARDS IDENTIFICATION

**Physical appearance and odor:** Light brown liquid with slight aromatic 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.

#### B: POTENTIAL HEALTH EFFECTS:

**Acute Ingestion:** Will cause irritation to the digestive tract and signs of nervous system depression.

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

#### 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. INDUCE VOMITING AS DIRECTED BY MEDICAL PERSONNEL.

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

#### 5. FIRE FIGHTING MEASURES

##### FIRE HAZARD DATA:

**FLASH POINT:** 110-115 ° F.

**METHOD USED:** Pensky Martin Closed Cup

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

Upper: No Data

**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:** Product will burn under fire conditions. Closed containers may explode due to build pressure when exposed to extreme heat.

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

#### 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:** 45 to 140 °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:

## 8. EXPOSURE CONTROL/PERSONAL PROTECTION, CONTINUED

INGREDIENTS	LIMITS	INGREDIENT	LIMITS
Water	None established	Isopropyl Alcohol	400 PPM OSHA/ AACGIH TWA
EDTA salt	None Established	Potassium Hydroxide	2 mg / m <sup>3</sup> TLV / TWA
Sodium dodecylbenzene Sulfonate	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 Appearance:** Honey color clear liquid

**pH:** 12.9 as concentrate

**Water Solubility:** Soluble,

**Freezing Point Range:** Not established

**Vapor Pressure:** Not established

**Percent volatile by volume:** Approx. 60 % by volume

**Odor:** Slight aromatic

**Specific Gravity:** 1.02

**Melting Point Range:** Not available

**Boiling Point:** Approx. 210 degrees F

**Vapor Density:** Not established

**V.O.C. (calculated):** 1.71 lbs./ gal or 204.9 grams / l.

## 10. STABILITY AND REACTIVITY

### Chemical Stability:

This material is stable under normal handling and storage conditions as described in Section 7.

**Conditions to be avoided:** Heat, open flame.

**Materials/Chemicals to be avoided:** Strong acids and oxidizing agents.

**Decomposition type:** Thermal Oxides of carbon, nitrogen and sulfur.

**Hazardous Polymerization:** WILL NOT OCCUR

**Avoid the following to inhibit hazardous polymerization:** NOT APPLICABLE

## 11. TOXICOLOGICAL INFORMATION

**Acute Eye Irritation:** Irritating to eyes.

**Acute Skin Irritation:** Irritating to the skin

**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 ) = 3600 mg/kg for isopropyl alcohol, LD50 (inert peritene mouse) = 330 mg / kg for

Sodium Ethylenediaminetetra acetic acid, LD50( rat ) = 273 mg/kg for Potassium Hydroxide, LD50 = 2320 mg /kg. For Sodium

Dodecylbenzene sulfonate, LD50(rat) = 2 gm/kg for O-p-Henylphenol, LD50 (Rat) - 1830 mg/kg for Paratertiary- Amyl Phenol,

Ld50 ( mouse) = 820 mg. kg for Sodium Sulfite.

**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 is biodegradable and can be disposed in sanitary sewer system where permitted by local, federal and state regulations.

## 14. TRANSPORTATION INFORMATION

It is NOT regulated as hazardous. 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. This product is an EPA registered germicide ( EPA Registration No. 2212-17-72869 ).

## 16. OTHER INFORMATION

### Hazardous Materials Information System

Hazard Rating, HMIS

Health	Flammability	Reactivity	Special
3	2	0	---

### MSDS CHANGES

REV	DATE	DESCRIPTION OF CHANGE	AUTHOR
A	07/05/00	New Product	P. Simon

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

Prepared By: P. Simon

Date: July 5, 2000

Product Name: ULTRADOSE GERMICIDAL HOSPITAL GRADE ULTRASONIC CLEANER CONCENTRATE