

### MATERIAL SAFETY DATA SHEET

# ULTRADOSE GERMICIDAL HOSPITAL GRADE ULTRASONIC CLEANER CONCENTRATE

PCN(s) UD036 Publication Date: 7/24/07 REV: C

# 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: 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.

#### 3. 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
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: 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

Suitable 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 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: Mop up spill and dispose of in accordance with local, state and federal regulations.

Environmental and Regulatory Reporting: Not required

### 7. HANDLING AND STORAGE

Minimum/Maximum Storage Temperatures: 45 to 100° 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.

Auto Ignition Temperature: Not available

Exposure Guidelines: Exposure limits are recommended worker breathing limits. The following limits apply to this material:

 INGREDIENTS
 LIMITS
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 LIMITS

 Water
 None established
 Isopropyl Alcohol
 400 PPM OSHA/ AACGIH TWA

EDTA salt

Sodium dodecylbenzene Sulfonate

Para Tertiary – Amyphenol

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 liquid.

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Color: light brown

Odor: Slight Aromatic

Odor Threshold: Not established

Water Salubility Salubla

Malting Point Pange, Not established

Francounting Potes Not established

Water Solubility: Soluble
Melting Point Range: Not available
Freezing Point Range: Not established
Vapor Pressure: Not established
Vapor Bensity: Not established

Melting Point Range: Not available
Boiling Point: approx. 210 ° F.
Vapor Density: Not established
Decomposition Temperature: Not available

Flash Point: 110-115 ° F Method: Pensky Martin Closed Cup

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

Percent volatile by volume: Approx. 60 % by volume V.O.C. (calculated): 1.71 lbs./ gal or 204.9 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 and oxidizing agents

Decomposition Type: Thermal Oxides of carbon and nitrogen and sulfur

Possibility of Hazardous Reactions: WILL NOT OCCUR

# 11. TOXICOLOGICAL INFORMATION

**Acute Eye Irritation:** Irritating to eyes. **Acute Skin Irritation:** Irritating to 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: 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 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, and European EINECS/ELINS chemical listings. This product is an EPA registered germicide (EPA Registration No. 2212-17-72869).

# **16. OTHER INFORMATION**

**National Fire Protection Association** 

Hazard Rating, NFPA Health Flammability Reactivity Special

MSDS CHANGES

REV DATE DESCRIPTION OF CHANGE

C 7/24/07 Updated and Changed to ANSI Z400.1-2004 format

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

Prepared By: L&R Manufacturing Company Date: 07/24/07

Product Name: ULTRADOSE GERMICIDAL HOSPITAL GRADE ULTRASONIC CLEANER CONCENTRATE