



**MATERIAL SAFETY DATA SHEET**  
**Opti-Mate Heavy duty Cleaning Powder**  
PCN(s):00165 Publication Date: 8/17/11 REV: A

**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:** White Powder with little or no odor

**A: Warning Statement:**

Good industrial hygiene practices should be used when handling this material.

**Acute Eyes:** Direct contact causes moderate to severe damage to the eyes.

**Acute Skin:** Irritating to the skin, may cause skin sensitivity.

**Acute Inhalation:** Will cause irritation to the respiratory system.

**Acute Ingestion:** Will cause damage to mucus membranes, and other tissue. Ingestion of large quantities may be fatal.

**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.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Component	CAS Number	Percentage
Sodium Carbonate	497-19-8	40 - 60
Sodium Hydroxide	1310-73-2	20- 30
Sodium Tripolyphosphate	7758- 29 - 4	10 - 20
NJ TRADE SECRET REGISTRY NUMBER	12777-5011	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. DO NOT INDUCE VOMITING.

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

**5. FIRE FIGHTING MEASURES**

**FIRE HAZARD DATA:**

**NOT COMBUSTIBLE**

**Suitable Extinguishing Media:** Extinguish surrounding area 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) none known

**6. ACCIDENTAL RELEASE MEASURES:**

**Cleanup and Disposal of Spill:** Sweep up powder, avoid breathing dust. Residual powder may be washed with water. Dispose of in accord with Federal, State and Local regulations.

**Environmental and Regulatory Reporting:** Not required

**7. HANDLING AND STORAGE**

**Minimum/Maximum Storage Temperatures:** 32 to 100°F.

**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>
Sodium Carbonate	None established	Sodium Hydroxide	2 mg/ m <sup>3</sup> OSHA / PEL
Sodium Tripolyphosphate	None established	NJTSRN# 012777-5012P	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:** Powder

**pH:** > 13 (1% Solution in water )

**Water Solubility:** Soluble

**Freezing Point Range:** Not applicable

**Vapor Pressure:** Not established

**Flash Point:** Not Combustible **Method:** Tag Closed Cup

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

**Percent volatile by volume:** Less than 1% by volume **V.O.C. (calculated):** Less than 5 grams / l.

**Color:** White

**Specific Gravity:** Not available

**Melting Point Range:** Not available

**Boiling Point:** Not Established.

**Vapor Density:** Not established

**Odor:** no odor.

**Odor Threshold:** Not available

**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, strong oxidizing agents, aluminum magnesium, zinc

**Decomposition Type:** Thermal oxides of carbon

**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:**

**LD50 (rat) = 4090 mg /kg. for Sodium Carbonate LD50 (rat) = 220 mg / kg for Sodium Hydroxide (50% Solution)**

**LD50 (mus ) = 5400 mg / kg for Sodium Tripolyphosphate**

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

## 14. TRANSPORTATION INFORMATION

Corrosive Solid, Basic, Inorganic n.o.s. (Contains Sodium Hydroxide), Class 8, UN 3262 , PG II.

## 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

10/25/07

A

8/17/11

Reviewd/Updated

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

Prepared By: L&R Manufacturing Company

Date: 8/17/11

Product Name: Opti-Mate Heavy Duty Cleaning Powder