



# MATERIAL SAFETY DATA SHEET

## ULTRADOSE JEWELRY CLEANER POWDER

PCN(s): 080, 147, 206

Publication Date: 11/17/05

REV: E

### 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 INGREDIENTS

Component	CAS Number	Percentage
Sodium Carbonate	497-19-8	55-60
Sodium Bicarbonate	7758-29-4	5 -10
Borax	11130-12-4	5 -10
Nonionic Surfactant	68526-94-3	5 -10
Sodium Phosphate Tribasic	7601-54-9	5 -10
Red dye	Blend unknown	0.05-1
Sodium Silicate Disodium Salt	6834-92-0	5 -10

### 3. HAZARDS IDENTIFICATION

**Physical appearance and odor:** Light pink 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 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 throat.

**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. DO NOT INDUCE VOMITING. Give large quantities of water.

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

### 5. FIRE FIGHTING MEASURES

#### FIRE HAZARD DATA:

**FLASH POINT:** NOT COMBUSTIBLE

**METHOD USED:** Tag Closed Cup

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

**Extinguishing Media:** Extinguish surrounding fire 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 burst 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:** 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 °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:

#### INGREDIENTS

Sodium Carbonate

Sodium Bicarbonate

Borax

Nonionic Surfactant

#### LIMITS

None established

None established

None established

None established

#### INGREDIENTS

Red dye

Sodium Silicate Disodium Salt

Sodium Phosphate Tribasic

#### LIMITS

Unknown

None established

None established

## 8. EXPOSURE CONTROL/PERSONAL PROTECTION, CONTINUED

**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:** White free flowing powder

**pH:** 10.4 at 1 % in Water

**Water Solubility:** Complete

**Freezing Point Range:** NONE

**Vapor Pressure:** Not established

**Percent volatile by volume:** < 1%

**Odor:** Odorless

**Specific Gravity:** N/E

**Melting Point Range:** N/E

**Boiling Point :** N/E

**Vapor Density:** N/E

**VOC (calc.) =** Less than 5gm/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:** Protect from freezing.

**Materials/Chemicals to be avoided:** Strong bases, oxidizing agents, monel, steel, iron, aluminum, porous surfaces and antiqued finish silver.

**Decomposition type:** Thermal Oxides of carbon, hydrogen 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:** May cause irritation to the skin.

**Acute Dermal Toxicity:** No test data found for product.

**Acute Respiratory Irritation:** No test data found for product.

**Acute Inhalation Toxicity:** May cause nose and throat irritation.

**Acute Oral Toxicity:** LD50 RAT

Sodium Carbonate = 4090 mg /kg.

Borax = 2660 mg /kg.

Red Dye = No information

Sodium Phosphate Tribasic LDLo Rabbit intravenous 1580 mg / kg.

Sodium Bicarbonate = 3120 mg/ kg.

Nonionic surfactant = mouse 10 gm/kg.

Sodium Silicate Disodium Salt = 1153 mg / kg.

**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 a sanitary sewer system, with dilution, where permitted by local, federal and state regulations.

## 14. TRANSPORTATION INFORMATION

Classified as ORM-D for domestic transportation. 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

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11/17/05

Reissued

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Prepared By: L&R Manufacturing Company

Date: 03/05/99

Product Name: **ULTRADOSE JEWELRY CLEANER POWDER**