

ALDEN LEEDS, INC.  
55 JACOBUS AVE.  
SO. KEARNY, NJ 07032  
(973) 589-3544

PRODUCT CODE # 1400-1408  
PRODUCT NAME: VINYL POOL SHOCK/  
CRYSTAL CHLOR

MATERIAL  
SAFETY DATA  
SHEET  
10/20/04

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**SECTION I - IDENTIFICATION**

**CHEMICAL NAME & SYNONYMS:** Lithium Hypochlorite, 29%  
**CHEMICAL FAMILY:** Alkali Hypochlorite  
**FORMULA:** LiOCl: 35% available chlorine  
**TRADE NAME:** Crystal Chlor, Vinyl Pool Shock, Spa Chlor and Private Label  
**DESCRIPTION:** White granules with chlorine odor  
**CAS NO.** 13840-33-0

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**SECTION II - PHYSICAL DATA**

**Boiling Point:** N/A  
**Vapor Pressure:** N/A  
**Vapor Density:** N/A  
**Evaporation Rate:** N/A  
**Melting Point:** Decompresses @ 135 C  
**% Volatile by Volume:** N/A  
**Solubility in water:** 43%  
**Bulk Density:** 0.9 - 1.0 g/cc

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**SECTION III - FIRE AND EXPLOSION HAZARD DATA**

**Flash Point:** N/A  
**Flammable Limits in Air % By Volume:** N/A  
**Extinguishing Media:** Use media appropriate for surrounding fire.  
**Special Fire Fighting Procedures:** Wear self-contained breathing apparatus and protective clothing.  
**Unusual Fire and Explosion Hazards:** Oxygen and toxic chlorine gases may be released when heated, or when contacted with strong acids. May catch fire spontaneously on contact with oxidizable material such as wood, paper, cotton, etc.

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**SECTION IV - HEALTH HAZARD DATA**

**EFFECTS OF OVEREXPOSURE:**  
**Inhalation:** May cause irritation to respiratory tract.  
**Skin:** Prolonged or repeated exposure may be corrosive to skin.  
**Eye:** May cause sever irritation.  
**Ingestion:** May cause gastrointestinal irritation or ulceration. May burn mouth and throat.

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**SECTION V - EMERGENCY AND FIRST AID PROCEDURE**

**INHALATION:** Remove to fresh air. Consult a physician.  
**SKIN:** Flush with water for at least 15 minutes. Immediately consult a physician.  
**EYE:** Flush with water for at least 15 minutes. Immediately consult a physician.  
**INGESTION:** Drink large amounts of water. DO NOT induce vomiting. Consult a physician.

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**SECTION VI - TOXICOLOGY**

**Oral LD50(rat):** 674 mg/kg  
**Skin Absorption LD50 (rabbit):** Corrosive

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**SECTION VII - REACTIVITY DATA**

**Stability:** Stable  
**Conditions to Avoid:** Elevated temperatures  
**Incompatibility (materials to avoid):** Acids and oxidizable materials.  
**Hazardous Decomposition:** Toxic chlorine gases.  
**Hazardous Polymerization:** Will not occur.

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**CHEMICAL NAME:**  
Lithium Hypochlorite, 29%

**TRADE NAME:** Crystal Chlor, Vinyl Pool Shock,  
Spa Chlor and Private Label

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**SECTION VIII - SPILL, LEAKAGE & DISPOSAL PROCEDURES**

**Steps to take if material leaks or spills:** Collect for disposal in clean metal container.

**Waste disposal method:** Dispose of in accordance with all Federal, State and Local regulations.

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**SECTION IX - SPECIAL PROTECTION DATA**

**Ventilation:** Use only adequate ventilation.

**Eye Protection:** Use safety glasses or goggles.

**Respiratory Protection:** Use an approved NIOSH respirator when adequate ventilation is not available.

**Protective Gloves:** Use rubber gloves.

**Other Equipment:** Wear clean, long-sleeved clothing. Eye wash and safety shower stations should be located near work area.

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**SECTION X - SPECIAL PRECAUTIONS DATA**

**Handling and Storage:** Do not get in eyes, on skin or clothing. Avoid breathing dust. Store away from readily oxidizable materials and strong acids. Store in a cool dry place. Keep container closed when not in use. Wash thoroughly after handling.

**Other:** None.

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**SECTION XI - TRANSPORTATION INFORMATION**

**Proper Shipping Name:** Lithium Hypochlorite, Dry, 5.1, UN1471, PGII. For all transportation accidents, call **CHEMTREC** at 800-424-9300.

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

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55 JACOBUS AVE. SO. KEARNY, NJ 07032  
24 HOUR EMERGENCY PHONE: CHEMTREC 800-424-9300