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ALDEN LEEDS, INC. PRODUCT CODE # 1604-1615 MATERIAL  
55 JACOBUS AVE. PRODUCT NAME: HIT HARD/ SAFETY DATA  
SO. KEARNY, NJ 07032 MORE CHLOR 65 SHEET  
(973) 589-3544 1/7/11  
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**SECTION I - IDENTIFICATION**

**CHEMICAL NAME & SYNONYMS:** Calcium Hypochlorite  
**CHEMICAL FAMILY:** Hypochlorite  
**FORMULA:** Ca (OCI)<sub>2</sub>  
**TRADE NAME:** NuClo Hit Hard, Ortex Algae Pool Shock, More Chlor 65 and Private Label  
**DESCRIPTION:** White powder or 1" tablets with a slight chlorine odor.  
**CAS NO.** 07778-54-3  
**HMIS HAZARD RATING:** Health: 3 Flammability: 0 Reactivity: 1  
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**SECTION II - PHYSICAL DATA**

**Boiling Point:** N/A **Decomposition Temp:** 170°C (338°F)  
**Vapor Pressure:** N/A **pH:** 1% aq sol 10.5 - 11.0  
**% Volatile by Volume:** N/A **Density:** loose 65-67 lb./cu ft  
**Solubility in water:** 18% @ 25°C **Evaporation Rate:** N/A  
**Specific Gravity (H<sub>2</sub>O=1):** 0.8 g/ml (50 lb. s/ cu ft.) **Vapor Density (Air=1):** N/A  
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**SECTION III - FIRE AND EXPLOSION HAZARD DATA**

**Flash Point:** N/A **Autoignition Temp:** N/A  
**Flammable Limits in Air % By Volume:** N/A  
**Extinguishing Media:** Water only. Smothering ineffective-product supplies own oxygen.  
This product is chemically reactive with many substances. Any contamination of the product with other substances by spill or otherwise may result in a chemical reaction and fire. This product is a strong oxidizer which is capable of intensifying a fire once started.  
**Special Fire Fighting Procedures:** When this material is involved in a fire, use a NIOSH approved self-contained breathing apparatus and protective clothing. Fire can erupt and spread rapidly.  
**Unusual Fire and Explosion Hazards:** None **OSHA CLASSIFICATION:** Oxidizer  
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**SECTION IV - HEALTH HAZARD DATA**

**THRESHOLD LIMIT VALUE:** Chlorine gas, 1ppm ACGIH 1985-86.  
**EFFECTS OF OVEREXPOSURE:** Corrosion of all tissue contact. Severe eye irritation. Primary skin irritation; Corrosive.  
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**SECTION V - EMERGENCY AND FIRST AID PROCEDURE**

**INHALATION:** Remove victim to fresh air. Call a physician.  
**SKIN:** Flush immediately with water for 15 minutes, consult a physician.  
**EYE:** Flush immediately with water for at least 15 minutes. call a physician at once.  
**INGESTION:** Drink large amounts of water. DO NOT induce vomiting. Call a physician at once.  
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**SECTION VI - TOXICOLOGY**

**Acute Oral LD50(rat):** 850 mg/kg. Slightly to very low toxicity. **Acute Inhalation LC50 (rat):** no  
**Acute Dermal LD50 (rabbit):** >1000 mg/kg. Very low toxicity. Mortality at 3.5 mg/l (1 hr)  
**CARCINOGENIC:** Not known to be. Irritating.  
**MUTAGENIC:** negative dominant  
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## SECTION VII - REACTIVITY DATA

**Stability:** Unstable @ 350°F

**Conditions to Avoid:** Contamination. When heated to 350°F it decomposes rapidly with evolution of oxygen and heat.

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**CHEMICAL NAME:**  
Calcium Hypochlorite

**TRADE NAME:** NuClo Hit Hard, Ortex Algae  
Pool Shock, More Chlor 65 and Private Label

### Secton VII – Reactivity (Cont.)

**Incompatibility (materials to avoid):** Do not allow product to come in contact with other materials, including, e.g., other pool treatment products, acids, organic materials, nitrogen containing compounds, dry powder fire extinguisher (containing mono-ammonium phosphate), oxidizers, all corrosive liquids, flammable or combustible materials, etc. Do not mix with anything but water.

**Hazardous Decomposition:** Acid or ammonia contamination will release toxic gases. Excessice heat will cause decomposition resulting in the release of oxygen and chlorine gas.

**Hazardous Polymerization:** Will not occur.

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## SECTION VIII - SPILL, LEAKAGE & DISPOSAL PROCEDURES

**Reportable quantity:** 10 lbs. (Calcium Hypochlorite) Per 40 CFR 302.4

**Steps to take if material leaks or spills:** Use extreme caution in handling spilled material.

Contamination with organic or combustible material may cause fire or violent decomposition. Wear all recommended protective clothing. Clean up in a manner to minimize contamination with organic material. Do not return material to original container. Place in a fresh container and isolate outside or in a well ventilated area. Do not seal container. Flush any residual material with large quantities of water.

**Waste disposal method:** If this product becomes a waste, it meets the criteria of a hazardous waste as defined under 40 CFR 261 and would have the following EPA hazardous waste number: D001. Care must be taken to prevent environmental contamination from the use of this material. The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and non hazardous wastes.

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## SECTION IX - SPECIAL PROTECTION DATA

**Ventilation:** Use local exhaust ventilation to minimize dust and chlorine levels where industrial use occurs. Otherwise, ensure good general ventilation.

**Eye Protection:** Use safety glasses or goggles to advoid eye contact.

**Respiratory Protection:** Use an approved NIOSH/MSHA respirator if dusts are created.

**Protective Gloves:** Use gloves impervious to this material.

**Other Equipment:** Wear clean, long-sleeved, body-covering clothing and impervious boots. Eye wash fountain should be located near work area.

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## SECTION X - SPECIAL PRECAUTIONS DATA

**Handling and Storage:** Do not take internally. Avoid inhalation of dust and fumes. Avoid contact with eyes, skin or clothing. Upon contact with skin or eyes, wash off with water. Remove and wash contaminated clothing before reuse. Keep product tightly sealed in original containers. Store in cool, dry, well ventilated area away from flammable liquids, combustible or oxidizable materials. Do not add this product to any dispensing device containing remnants of any other products. Such use may cause violent reaction leading to fire or explosion. May cause fire or explosion if mixed with other chemicals. Drums may rupture if contents are exposed to heat, becomes contaminated or wet. Avoid prolonged storage in unventilated areas at summer temperatures.

**Other:** Do not store at temperatures above 52 C (125 F) Storage above this temperature may result in rapid decomposition, evolution of chlorine gas and heat sufficient to ignite combustible products.

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**SECTION XII - TRANSPORTATION INFORMATION**

Calcium Hypochlorite, Hydrated Mixtures, 5.1, UN 2880, PG II. Reportable quantity: 10 lbs. Per CFR 172.101, Appendix. 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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ALDEN LEEDS, INC.  
55 JACOBUS AVE. SO. KEARNY, NJ 07032  
24 HOUR EMERGENCY PHONE: CHEMTREC 800-424-9300