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ALDEN LEEDS, INC. PRODUCT CODE # 3200-3209 MATERIAL  
55 JACOBUS AVE. PRODUCT NAME: GRANULES SAFETY DATA  
S. KEARNY, NJ 07032 SHEET  
(973) 589-3544 10/20/04  
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### SECTION I - IDENTIFICATION

**SYNONYMS:** Sodium Dichloroisocyanurate, Dihydrate; Sodium Dichloro-s- Triazinetrione, Dihydrate

**CHEMICAL FAMILY:** Chlorinated Isocyanurates

**CHEMICAL FORMULA:** NaCl<sub>2</sub> (NCO)<sub>3</sub> 2H<sub>2</sub>O

**TRADE NAME:** NuClo, Ortex, or Private Label Concentrated Pool Chlorinating Granules

**DESCRIPTION:** White crystalline granules having a slight chlorine odor.

**CAS NO.** 51580-86

**HMIS HAZARD RATING:** Health Hazard: 3 Fire Hazard: 0 Reactivity: 1

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### SECTION II - PHYSICAL DATA

**Melting point:** Decomposes

**Solubility in water:** 29% @ 30 C

**pH (1% @25 C)** 6.0-6.5

**Bulk density :** .9-.95

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### SECTION III - FIRE AND EXPLOSION HAZARD DATA

**Fire fighting techniques and comments:** Use water to cool containers exposed to fire. On small fires, use water spray or fog. On large fires, use heavy deluge or fog streams. Flooding amounts of water may be required before extinguishment can be accomplished. Do not use dry chemical extinguisher containing ammonium compounds.

**Extinguishing Media:** Not Applicable

**OSHA CLASSIFICATION:** Class 1 Oxidizer

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### SECTION IV - HEALTH HAZARD DATA

#### EFFECTS OF OVEREXPOSURE:

**Inhalation:** Irritating to the nose, mouth, throat, and lungs. It may also cause burns to the respiratory tract with the production of lung edema which can result in shortness of breath, wheezing, choking, chest pain, and impairment of lung function. Inhalation of high concentration can result in permanent lung damage. Chronic inhalation exposure may cause impairment of lung function and permanent lung damage.

**Eye:** Exposure can cause severe irritation and or burns. Contact may cause impairment of vision and corneal damage.

**Skin:** Exposure can cause severe irritation and or burns characterized by redness, swelling and scab formation. Prolonged skin exposure may contact to regenerate. Effects from chronic skin exposure would be similar to those from single exposure except for effects secondary to tissue destruction.

**Ingestion:** May cause irritation and or burns to the gastrointestinal tract, including the stomach and intestines, characterized by nausea, vomiting, diarrhea, abdominal pain, bleeding, and or tissue ulceration. There are no known or reported effects from chronic exposure.

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### SECTION V - EMERGENCY AND FIRST AID PROCEDURES

**INHALATION:** If person experiences nausea, headache or dizziness, person should stop work immediately and move to fresh air until these symptoms disappear. If breathing is difficult, administer oxygen, keep the person warm and at rest. Call a physician. In the event that an individual inhales enough vapor to lose consciousness, Person should be moved to fresh air at once and a physician should be called immediately. If breathing has stopped, artificial respiration should be given immediately. In all cases, ensure adequate ventilation and provide respiratory protection before the person returns to the area.

**SKIN:** Immediately flush with water for at least 15 minutes. Call a physician. Contaminated clothing should be removed immediately and should be laundered before reuse.

**EYES:** Immediately flush with large amounts of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Call a physician at once.

**INGESTION:** Immediately drink large quantities of water. DO NOT induce vomiting. Consult a physician at once.

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**CHEMICAL NAME:**  
Sodium Dichloro-s-triazinetriene, dihydrate

**TRADE NAME:** Nuclo, Ortex, or Private  
Label Chlorinating Granules

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**SECTION VI - TOXICOLOGY**

**Oral LD50 (rat):** 735 mg/kg  
**Dermal LD50 (rabbit):** over 2 g/kg

**Eye Irritation: (rabbit):** Corrosive  
**Skin Irritation (rabbit):** Corrosive

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**SECTION VII - REACTIVITY DATA**

**Stability:** Stable

**Incompatibility (materials to avoid):** Avoid contact with water in the container. Also avoid contact with easily oxidizable organic material, ammonia, urea, or similar nitrogen-containing compounds

**Hazardous Decomposition:** Begins to lose one mole of water at approximately 122 F  
Decomposed at 464-482 F

**Hazardous Polymerization:** Will not occur.

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

**Steps to be taken in case material is released or spilled:** Sweep, scoop, or vacuum up all spilled material, contaminated soil, and other contaminated material and place in clean, dry containers for disposal. Complete cleanup on a dry basis if possible. Floor sweeping compounds should not be used in the removal of this product as fuming, fire or explosion may result.

**Waste disposal method:** Dispose of contaminated product and materials used in cleaning up spills or leaks in a manner approved for this material. Consult appropriate Federal, State and Local regulatory agencies to ascertain proper disposal procedures.

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**SECTION IX - SPECIAL PROTECTION DATA**

**Ventilation:** Local exhaust ventilation required where exposure to dust might occur.

**Respiratory Protection:** Use an NIOSH approved respirator.

**Protective Gloves:** Any

**Eye Protection:** Goggles if dusting occurs.

**Other Equipment:** Coveralls & Impervious boots.

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**SECTION X - SPECIAL PRECAUTIONS DATA**

**Handling and Storage:** Do not get in eyes, on skin or clothing. Do not take internally. Avoid breathing dust. Protect against physical damage. Store in cool, dry, well ventilated place. Avoid prolong storage in unventilated areas at summer temperatures. Do not store at temperatures above 140 F.

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**SECTION XI - TRANSPORTATION INFORMATION**

This product is not a material is not a hazardous material and is not regulated by the D.O.T. 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  
EMERGENCY PHONE : CHEMTREC 800-424-9300