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 ALDEN LEEDS, INC. HEALTH: 3 MATERIAL  
 201-589-3544 FLAMMABILITY: 0 SAFETY  
 55 JACOBUS AVENUE REACTIVITY: 2 DATA SHEET  
 S. KEARNY, N.J. 07032 SPECIAL: OXY 08/01/89  
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SECTION I - IDENTIFICATION

CHEMICAL NAME & SYNONYMS: Trichloroisocyanuric Acid;  
 Trichloro-S-Triazine-2,4,6-(1H,3H,5H)-Trione

CHEMICAL FAMILY: N/A

FORMULA: 81% (CLNCO)<sub>3</sub>, 19% Na<sub>2</sub>CO<sub>3</sub>

TRADE NAME: Chlorinating Granules, Nuclio Shock, Ortex Pool Shock, and  
 Private Lable

DESCRIPTION: White Granular having a chlorine odor.

CAS NO: 87-90-1

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SECTION II- NORMAL HANDLING PROCEDURES

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

Do not get in eyes, on skin or on clothing. Do not take internally. Avoid breathing dust. Protect against physical damage. Store in cool, dry, well ventilated place away from flammable liquids, combustible or oxidizable materials. Drums may rupture if contents are exposed to heat, becomes contaminated or wet. Avoid prolonged storage in unventilated areas at summer temperatures.

PROTECTIVE EQUIPMENT:

EYES: Goggles

GLOVES: Impervious

OTHER: Coveralls & Impervious boots

VENTILATION REQUIREMENTS:

Local exhaust ventilation required where exposure to dust might occur.

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SECTION III- HAZARDOUS INGREDIENTS

<u>BASIC MATERIAL</u>	<u>OSHA PEL</u>	<u>LD50</u>	<u>LC50</u>	<u>SIGNIFICANT EFFECTS</u>
Trichloroisocyanuric Acid	none established	490 mg/kh (rat)	less than 200 mg/1 hr	Severe irritation to eyes, skin and mucous membranes.

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SECTION IV- FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: N/A

OSHA CLASSIFICATION: Class 3 Oxidizer

EXTINGUISHING MEDIA: Use water spray to cool containers exposed to fire.

SPECIAL FIRE HAZARD & FIRE FIGHTING PROCEDURES: Contact with most organic or easily oxidized material may result in a fire. Use NIOSH/MSHA approved self containing breathing apparatus where this material is involved in a fire

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SECTION V- HEALTH HAZARD DATA:

THRESHOLD LIMIT VALUE: None established.

SYMPTOMS OF OVER EXPOSURE: Severe irritation and/or burns to eyes, skin and mucous membranes, respiratory tract and gastrointestinal tract.

EMERGENCY FIRST AID PROCEDURE:

SKIN: Flush with water for 15 minutes, call physician

EYES: Flush with water for 15 minutes, call physician

INGESTION: Drink large quantities of water. Do not induce vomiting. Call a physician.

INHALATION: Remove victim to fresh air, call a physician.

CHEMICAL NAME: Trichloroisocyanuric Acid TRADE NAME: Nucl shock, Ortex Pool Shocks, and Private Label.

SECTION VI- TOXICOLOGY (Product)

ACUTE ORAL LD 50: 490 mg/kg (rat) CARCINOGENIC: Not known to be. ACUTE DERMAL LD 50: over 2 g/kg (rabbits) MUTAGENIC: Not known to be. ACUTE INHALATION LC 50: over 200 mg/l inspired air for 1 hour. EYE IRRITATION: Corrosive. PRIMARY SKIN IRRITATION: Corrosive PRINCIPAL ROUTES OF ABSORPTION: Oral EFFECTS OF ACUTE EXPOSURE: Severe irritation and/or burns to eyes, skin and mucous membranes, respiratory tract and gastrointestinal tract. EFFECTS OF CHRONIC EXPOSURE: May cause skin sensitization. Damage to liver and kidney.

SECTION VII- SPILL OR LEAKAGE PROCEDURES (Control Procedures)

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Remove all sources of ignition. Wear NIOSH/MSHA approved self-contained breathing apparatus. Follow OSHA regulations for respirator use. (See 29 CFP 1910.134). Wear goggles, coveralls and impervious gloves and boots. Clean up in a manner to minimize contamination with organic material. Do not return material to original container. Place in a fresh container and place outside or in a well-ventilated area. Do not seal the container. Flush any residual material with large quantities of water. WASTE DISPOSAL METHOD: Dispose of contaminated products and material 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.

SECTION VIII- REACTIVITY DATA

STABILITY: Stable. CONDITIONS TO AVOID: Contamination with small amounts of water. INCOMPATIBILITY (Materials To Avoid): Organic materials, easily chlorinated or oxidized materials, ammonium salts, urea, acids and bases. HAZARDOUS DECOMPOSITION PRODUCTS: NCL3 a highly explosive compound, chlorine.

SECTION IX- PHYSICAL DATA

MELTING POINT: 225-240 C VAPOR PRESSURE: N/A BOILING POINT: N/A SOLUBILITY IN WATER: 1.2% @ 25 C EVAPORATION RATE: N/A SPECIFIC GRAVITY (H2O=1): 2.1 pH: 1% aq sol 2.5-2.9 VAPOR DENSITY (AIR=1): N/A

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

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