

TRICHLOROISOCYANURIC ACID, DRY, 5.1, UNCLAS, F.D.H.

\*\*\*\*\*  
ALDEN LEEDS, INC. \*PRODUCT CODE #1100-1280 MATERIAL  
201-589-3544 \*PRODUCT NAME: SLOW DISSOLVE SAFETY  
55 JACOBUS AVENUE TABLETS/7-DAY-TABS DATA SHEET  
S. KEARNY, N.J. 07032 11/01/92  
\*\*\*\*\*

SECTION I - IDENTIFICATION

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

CHEMICAL FAMILY: N/A

FORMULA: (CLNCO)<sub>3</sub>

TRADE NAME: Nuclio, Ortex, or Private label Slow Dissolving Chlorinating  
Tablets, Sticks, Rods, Core Rods, Donuts, Desert Granules, Quick Kill  
Rapid Algae Cure.

DESCRIPTION: White Crystalline tablets, sticks, rods, core rods, or donuts  
having a chlorine odor

CAS NO 87-90-1

-----  
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.

-----  
SECTION III- HAZARDOUS INGREDIENTS

BASIC MATERIAL:

Trichloroisocyanuric  
Acid

LD50

490 mg/kg  
(rat)

LC50

less than  
200 mg/l 1/hr.

SIGNIFICANT EFFECTS:

Severe irritation  
to eyes, skin and  
mucous membranes.

-----  
SECTION IV- FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: N/A OSHA CLASSIFICATION: Class 2 Oxidizer.

EXTINGUISHING MEDIA: Deluge with water. 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.

-----  
SECTION V- HEALTH HAZARD DATA:

THRESHOLD LIMIT VALUE: None established.

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

EMERGENCY FIRST AID PROCEDURE:

EYES/SKIN: 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:** Nuclo, Ortex or Private label slow  
Dissolving Chlorinating Tablets, Sticks, Rods, Core  
Rods, Donuts, Desert Granules, Quick Kill, or Rapid  
Algae Cure.

-----  
**SECTION VI- TOXICOLOGY (Product)**

ACUTE ORAL LD 50: 490 mg/kg (rac)  
ACUTE DERMAL LD 50: over 2 g/kg (rabbits)  
ACUTE INHALATION LC 50: over 200 mg/l  
inspired air for 1 hour.

CARCINOGENIC: Not known to be.  
MUTAGENIC: Not known to be.  
EYE IRRITATION: Irritant.  
PRIMARY SKIN IRRITATION: Irritant

PRINCIPAL ROUTES OF ABSORPTION: Inhalation, dermal.

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

EFFECTS OF CHRONIC EXPOSURE: None expected at use concentrations.

-----  
**SECTION VII - SPILL, LEAK AND DISPOSAL 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 isolate 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, excessive heat

**INCOMPATIBILITY (Materials To Avoid):** Organic materials, easily chlorinated or  
oxidized materials, ammonium salts, urea, acids and bases.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Nitrogen trichloride, chlorine, cyanogen,  
chloride.

-----  
**SECTION IX- PHYSICAL DATA**

**MELTING POINT:** 225-240 C  
**BOILING POINT:** N/A  
**VAPORATION RATE:** N/A  
**H:** 1% aq sol 2.5-2.9

**VAPOR PRESSURE:** nil  
**SOLUBILITY IN WATER:** 1.2% @ 25 C  
**SPECIFIC GRAVITY (H2O=1):** 2.1  
**VAPOR DENSITY (AIR=1):** N/A

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

ALDEN LEEDS, INC.  
55 JACOBUS AVE. SOUTH KEARNY, N.J. 07032  
EMERGENCY PHONE: (201) 589-3544