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PHOENIX PRODUCTS CO.  
55 CONTAINER DR  
TERRYVILLE, CT 06786  
(860) 589-7502  
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PRODUCT NAME: SODIUM DICHLOR

MATERIAL  
SAFETY DATA  
SHEET  
2/25/02  
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**SECTION I - IDENTIFICATION**

**CHEMICAL NAME & SYNONYMS:** 1, 3, 5-Triazine-2, 4, 6(1H,3H,5H)-trione, 1, 3 Dichloro Sodium Salt  
Sodium Dichloroisocyanurate; Sodium Dichloro-S-Triazinetrione

**CHEMICAL FAMILY:** Chlorinated Isocyanurates

**FORMULA:** Cl<sub>2</sub>Na(NCO)<sub>3</sub>

**TRADE NAME:** Sodium Dichlor

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

**CAS NO.** 2893-78-9  
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**SECTION II - PHYSICAL DATA**

**Boiling Point:** N/A

**Vapor Pressure:** N/A

**% Volatile by Volume:** N/A

**Solubility in water:** Decomposes

**Melting Point:** N/A

**pH(1% Solution @ 25°C):** 5.8 -7.0

**Loose Bulk Density (lb/cu. ft):** 57

**Evaporation Rate:** 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:** Extinguishing by flooding with copious quantities of water or by isolating the decomposing material and allowing it to be consumed.

**Special Fire Fighting Procedures:** Wear full protective clothing and self contained breathing apparatus. Use NIOSH approved products only.

**Unusual Fire and Explosion Hazards:** None  
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**SECTION IV - HEALTH HAZARD DATA**

**EFFECTS OF EXPOSURE:**

This product is considered to be corrosive to eyes and skin. Exposure to its dust or fumes has been reported to produce eye, nose, throat and respiratory tract irritation. Exposure to chlorine gas has been reported to cause burning of the eyes, nose and mouth and irritation of the entire respiratory tract lining with coughing, a choking sensation, internal pain, vomiting, nausea, headache, dizziness and syncope. The onset of severe respiratory symptoms following exposure to chlorine, including pulmonary edema and pneumonitis, may be delayed  
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**SECTION V - EMERGENCY AND FIRST AID PROCEDURE**

**INHALATION:** Remove patient to fresh air. Consult a physician.

**SKIN:** Flush with water for 15 minutes, if irritation persists, call a physician.

**EYE:** Immediately flush with water for at least 15 minutes. Immediately consult a physician.

**INGESTION:** Drink large amounts of water. DO NOT induce vomiting. Get medical attention.  
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**SECTION VI - TOXICOLOGY**

**Oral LD50(rat):** over 550 mg/hg slightly toxic

**Eye Irritation:** Corrosive

**Dermal LD50 (rabbit):** over 2 g /kg

**Skin Irritation:** Corrosive  
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**CHEMICAL NAME:**  
Dichloroisocyanuric Acid

**TRADE NAME:** Sodium Dichlor

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**SECTION VII - REACTIVITY DATA**

**Stability:** Stable

**Conditions to Avoid:** None

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

**Hazardous Decomposition:** Chlorine containing gases can be produced. Traces of phosgene can be liberated at high temperatures 400°F.

**Hazardous Polymerization:** Will not occur.

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

**Steps to take if material leaks or spills:** 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 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.

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**SECTION IX - SPECIAL PROTECTION DATA**

**Ventilation:** Local Exhaust: Required where exposure to dust might occur.

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

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

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

**Other Equipment:** Wear coveralls and 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 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 hot summer temperatures.

**Other:** None.

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**SECTION XI - TRANSPORTATION INFORMATION**

**Proper Shipping Name:** Dichloroisocyanuric Acid, Dry, 5.1, UN2465, PGII.

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

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THE PHOENIX PRODUCTS COMPANY  
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