

Material Safety Data Sheet

1. Product and Company Identification

Effective Date: 06-26-2007
Revision: 0

MAXI-CLOR II POOL CHLORINATING GRANULES

Principal Use: Swimming Pool Sanitizer

Description: White crystalline granular with slight chlorine odor

N. Jonas and Co., Inc.

4520 Adams Circle
P.O. Box 425
Bensalem, PA 19020-0425

Telephone: (215) 639-8071

Only in the Event of a Transportation Emergency Involving Spills, Leaks, Fires or Accidents, call CHEMTREC at (800) 424-9300.

2. Composition/Information on Ingredients

| <u>Ingredients:</u> | <u>%(w/w)</u> | <u>OSHA PEL</u> |
|---|---------------|-----------------|
| Sodium dichloro-s-triazinetriene dihydrate (CAS 51580-86-0) | 99 | Not listed |
| Other ingredients | 1 | Not listed |

Ingredients not precisely identified are proprietary or non hazardous. Values are not product specifications.

3. Hazards Identification

Emergency Overview

Appearance:

White crystalline granules with slight chlorine odor.

Physical Hazards:

Strong oxidizing agent

Health Hazards:

Corrosive. Causes irreversible eye damage. May be fatal if inhaled. Harmful if swallowed or absorbed through skin.

* Hazard summary defined by OSHA Hazard Comm. Std., 29 CFR 1910.1200.

Potential Health Effects:

General:

This health hazard assessment based on information from commercial and scientific literature.

Ingestion:

Harmful if swallowed.

Eye Contact:

Causes irreversible eye damage. Dust or vapors can cause irritation, redness, tearing and burns.

Material Safety Data Sheet

Skin Contact:

Dry crystalline material is non-irritating initially. Prolonged contact will probably induce chemical burns. Burns are induced when moisture is added.

Skin Absorption:

May be harmful if absorbed through skin.

Inhalation:

May be fatal if inhaled.

4. First Aid Measures:

First Aid - Eyes:

Hold eye open and rinse slowly with water for 15 -20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for further treatment advice. Have the product container or label with you when calling a poison control center or doctor or going for treatment.

First Aid - Skin:

Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 - 20 minutes. Call a poison control center or doctor for treatment advice. Have the product container or label with you when calling a poison control center or doctor or going for treatment.

First Aid - Ingestion:

Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by poison control center or doctor. Do not give anything by mouth to an unconscious person. Have the product container or label with you when calling a poison control center or doctor or going for treatment.

First Aid - Inhalation:

Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for treatment advice. Have the product container or label with you when calling a poison control center or doctor or going for treatment.

5. Fire Fighting Measures

Flashpoint and Method:

Will not flash

Autoignition Temperature:

Fumes after decomposing at 240 deg. C.

Explosive Limits:

Not applicable

General Hazards:

Strong oxidizing agent.

Fire Fighting Instructions:

Call fire department. Do not attempt to extinguish the fire without a self-contained breathing apparatus (SCBA). Do not let fire burn. Flood with massive quantities of water.

Material Safety Data Sheet

Do not use ABC or other dry chemical extinguishers since there is the potential for a violent reaction.

Fire Fighting Equipment:

Wear self-contained breathing apparatus with full face piece and protective clothing.

Hazardous Combustion Products:

Contact with water slowly liberates irritating and hazardous chlorine containing gases. Decomposes at temperatures above 464 degrees F. with liberation of harmful gases. When ignited, will burn with the evolution of chlorine and equally toxic gases. Contamination with moisture, organic matter or other chemicals may start a chemical reaction with generation of heat.

6. Accidental Release Measures

Spill Measures:

Wear impervious gloves, mask and chemical tight goggles. Sweep up leaks or spills of this material with dry broom and dissolve in water. After that, neutralize this solution with sodium thiosulfate or sodium sulfate and discard it while controlling temperature and pH.

7. Handling and Storage

Handling:

Do not get in eyes, on skin or on clothing. Do not breathe dust, vapor or spray mist. Wear goggles, face shield or safety glasses. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

Storage:

Do not contaminate water, food or feed by storage or disposal. Keep material dry and in a dry area. Store in original container where temperatures do not exceed 125 degrees F. (52 degrees C.) for 24 hours. Retie polyethylene liner after each use and keep container tightly closed.

8. Exposure Controls/Personal Protection

Exposure Guidelines:

No ACGIH TLV or OSHA PEL assigned to this mixture. Minimize exposure in accordance with good industrial hygiene practice.

Engineering Controls:

Use ventilation adequate to maintain safe levels. Safety shower and eyebath should be provided. Do not eat, drink or smoke until showering and changing clothes.

Respiratory Protection:

If needed, use OSHA-NIOSH approved respirator for dusts, mists and fumes with TLV not less than 0.5 mg/m³.

Protective Clothing:

Avoid contact with skin. Use impervious gloves.

Eye Protection:

Use chemical tight goggles.

9. Chemical and Physical Properties

Appearance:

White crystalline granules with slight chlorine odor.

Material Safety Data Sheet

| | |
|--------------------------------------|-----------------------------------|
| <u>Boiling Point:</u> | Not applicable |
| <u>Vapor Pressure:</u> | Not applicable |
| <u>Vapor Density:</u> | No data |
| <u>Solubility in Water:</u> | 26.2 g/100 ml water at 25 deg. C. |
| <u>pH:</u> | 6.5 (1% solution) |
| <u>Specif. Grav./Density:</u> | 0.92 (bulk density) |
| <u>% Volatile:</u> | No data |

10. Stability and Reactivity

Stability:

Stable under dry and normal conditions.

Incompatibility:

Contact with most organic matter or easily chlorinated or oxidized materials may result in fire. Contact with ammonia, ammonium salts, urea or similar compounds which contain nitrogen may form nitrogen trichloride, a highly explosive compound. Contamination with oils and greases may cause decomposition with formation of carbon dioxide and chlorine. This product may form an explosive mixture with calcium hypochlorite. In a formulation containing this mixture as the major component, alkaline materials such as soda ash (Na₂CO₃) in the presence of moisture may cause violent decomposition and fire. It is dangerous to contact alcohols, ethers, biuret and solvents (toluene, xylene, terpentine, etc.)

Hazardous Decomposition Products:

Nitrogen trichloride, chlorine, cyanic acid

Hazardous Polymerization:

Will not occur.

11. Toxicological Information

Possible Human Health Effects:

Inhalation:

May be fatal if inhaled.

Skin Contact:

Dry crystalline material is non-irritating initially. Prolonged contact will probably induce chemical burns. Burns are induced when moisture is added.

Eye Contact:

Causes irrevsible eye damage. Dust or vapors can cause irritation, redness, tearing and burns.

Ingestion:

Harmful if swallowed.

Other Effects of Overexposure:

Toxicological investigation indicate this chemical does not produce significant effects from chronic exposure.

Note to Physician:

Probable mucosal damage may contraindicate the use of gastric lavage.

Material Safety Data Sheet

12. Ecological Information

This pesticide is toxic to fish and aquatic organisms. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or public waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

13. Disposal Consideration

Disposal Method:

Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance. Do not put this product, spilled product, or filled or partially filled containers into the trash or waste compactor.

Container Disposal:

PLASTIC PAIL: Triple rinse (or equivalent). Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill, or incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

HOUSEHOLD CONTAINERS: Do not reuse container. Rinse thoroughly before discarding in trash. Securely wrap container in several layers of newspaper and discard in trash.

14. Transport Information

DOT Hazard Description:

Not regulated

15. Regulatory Information

TSCA (Toxic Substances Control Act) Regulations, 40 CFR 710:

All ingredients are listed on the TSCA Chemical Substances Inventory. This product is registered with EPA as a pesticide.

CERCLA and SARA Regulations (40 CFR 355, 370, 372):

This product does not contain any chemicals subject to the reporting requirements under CERCLA.

California Proposition 65:

None

16. Other Information

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

HMIS and NFPA Ratings

| <u>Hazard:</u> | <u>HMIS Ratings:</u> | <u>NFPA Ratings:</u> |
|----------------------|----------------------|----------------------|
| <u>Health:</u> | 3 | 3 |
| <u>Flammability:</u> | 0 | 0 |
| <u>Reactivity:</u> | 2 | 2 |

Material Safety Data Sheet

HMIS and NFPA Hazard Rating Codes:

0 - Least 1 - Slight 2 - Moderate 3 - High 4 - Severe

NOTE: These HMIS and NFPA Ratings are for "new" product. See appropriate sections of this MSDS for specific hazard information and safe handling instructions.