

Section 1. Product and Company Identification

**Product Name** Trichloroisocyanuric Acid  
**CAS Number** 87-90-1

**Parchem - fine & specialty chemicals**

**415 Huguenot Street**

**New Rochelle, NY 10801**

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EMERGENCY RESPONSE NUMBER  
CHEMTEL

Toll Free US & Canada: 1 (800) 255-3924

All other Origins: 1 (813) 248-0585

Collect Calls Accepted

Section 2. Hazards Identification

**Classification of the substance or mixture**

**GHS Classification**

Physical Hazards: Oxidizing Solid - Cat. 2

Contact Hazard - Skin: Category 1C - Causes severe skin burns and eye damage.

Contact Hazard - Eye: Category 1 - Causes serious eye damage

Acute toxicity - Inhalation: Category 2 - Fatal if inhaled

Acute Toxicity - Oral: Category 4 - Harmful if swallowed.

Acute toxicity - dermal: Not acutely toxic by dermal exposure.

Target Organ Toxicity (Single Exposure): Category 3 - May cause respiratory tract irritation

Carcinogenicity: This product is not classified as a carcinogen by NTP, IARC or OSHA

Hazardous To Aquatic Environment - Acute Hazard: Category 1 - Very toxic to aquatic life

Hazardous to aquatic environment - chronic hazard: Category 1 - Very toxic to aquatic life with long lasting effects

**Unknown Acute Toxicity:** Not applicable. 100% of this product consists of ingredient(s) of known acute toxicity.

**GHS Label Elements**

**Pictograms:**



**Signal word:** DANGER

**Hazard and precautionary statements**

**Physical Hazard Statements**

May intensify fire; oxidizer



### Health Hazard Statements

Causes severe skin burns and eye damage  
Causes serious eye damage  
Fatal if inhaled  
Harmful if swallowed  
May cause respiratory irritation

### Environmental Hazard Statements

Very toxic to aquatic life  
Very toxic to aquatic life with long lasting effects

### Precautionary Statements – Prevention

Do not breathe dust, fume, gas, mist, vapors, or spray  
In case of inadequate ventilation, wear respiratory protection  
Wear protective gloves, protective clothing, eye, and face protection  
Wash face, hands and any exposed skin thoroughly after handling  
Do not eat, drink or smoke when using this product  
Use only outdoors or in a well-ventilated area  
Keep away from heat  
Keep/Store away from clothing and other combustible materials  
Take any precaution to avoid mixing with combustibles  
Avoid release to the environment

### Precautionary Statements – Response

If Inhaled: Remove person to fresh air and keep comfortable for breathing  
Immediately call a POISON CENTER or doctor/physician  
Specific treatment is urgent (see Section 4 of SDS or first aid information on this label)  
If on Skin (or hair): Remove/Take off Immediately all contaminated clothing. Rinse SKIN with water/shower. Wash contaminated clothing before reuse  
If In Eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
If Swallowed: Rinse mouth. Do not induce vomiting  
If Swallowed: Call a poison center or doctor/physician if you feel unwell  
Specific treatment (see First Aid information on product label and/or Section 4 of the SDS)  
In case of fire: Use large amounts of water to extinguish  
Collect spillage

### Precautionary Statements – Storage

Store in a well-ventilated place. Keep container tightly closed  
Store locked up

### Precautionary Statements – Disposal

Dispose of contents and container in accordance with applicable local, regional, national, and/or international regulations.



**OSHA Regulatory Status:** This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

**Color:** White

**Physical State:** Solid

**Appearance:** Crystals, Granules

**Odor:** Slight chlorine odor

**Major Health Hazards:** Corrosive. Causes serious eye damage. Causes severe skin burns and eye damage. May be fatal if inhaled. Harmful if swallowed.

**Physical Hazards:** Oxidizing Agent. Contact with water slowly liberates irritating and hazardous chlorine containing gases. Contamination with moisture, organic material, or other incompatible chemicals may start a reaction with generation of heat, liberation of hazardous gases, and possible fire and explosion. Contact with acids liberates toxic gas. Decomposes at temperatures above 464 °F with liberation of harmful gases. When ignited will burn with the evolution of chlorine and equally toxic gases. Do not get water inside container. Wet material may generate nitrogen trichloride, an explosion hazard.

**Aquatic Toxicity:** Very toxic to aquatic organisms. Very toxic to aquatic life with long lasting effects.

**Precautionary Statements:** Do not get in eyes, on skin, or on clothing. Wear eye protection, face protection, protective gloves. Do not breathe dusts or mists. Use outdoors or in a well-ventilated area. Wash hands and affected skin thoroughly after handling. Do not eat, drink or smoke when using this product. Do not get water inside container, an explosion hazard. Oxidizer, keep separated from incompatible substances.

**Additional Hazard Information:** This material is corrosive. Product has strong buffering capability. Use dilution. May cause burns to moist skin if not promptly removed. There is no specific antidote

Section 3. Composition / Information on Ingredients

<b>Common Name</b>	Trichloroisocyanuric Acid
<b>Synonym(s)</b>	Trichloro-s-triazinetrione; 1,3,5-Triazine-2,4,6(1H,3H,5H)-trione; 1,3,5-trichloro-, Syclosene; TCCA
<b>Formula</b>	$C_3N_3O_3Cl_3$
<b>CAS Number</b>	87-90-1

COMPONENT	CAS NUMBER	CONCENTRATION
Trichloro-s-triazinetrione	87-90-1	98 – 100%
Impurities	N/A	0 – 2%



#### Section 4. First Aid Measures

**Inhalation:** If inhalation of dust occurs and adverse effects result, remove to uncontaminated area. Evaluate ABC's (is Airway constricted, is Breathing occurring, and is blood Circulating) and treat symptomatically. Get medical attention immediately. There is no specific antidote, treat symptomatically.

**Skin Contact:** Immediately flush contaminated areas with water. Remove contaminated clothing, jewelry and shoes. Wash contaminated areas with large amounts of water. Get medical attention immediately. Thoroughly clean and dry contaminated clothing before reuse.

**Eye Contact:** Immediately flush contaminated eyes with a directed stream of water for as long as possible. Remove contact lenses, if present, then continue rinsing. Get medical attention immediately.

**Ingestion:** If swallowed, do not induce vomiting. Give large amounts of water. If vomiting occurs spontaneously, keep airway clear. Give more water when vomiting stops. Never give anything by mouth to an unconscious or convulsive person. Get medical attention immediately.

#### Acute Symptoms/Effects

**Inhalation (Breathing):** Respiratory System Effects: Exposure to the solid product or to free chlorine evolving from the product may cause irritation, redness of upper and lower airways, coughing, laryngeospasm and edema, shortness of breath, bronchoconstriction, and possible pulmonary edema. The pulmonary edema may develop several hours after a severe acute exposure.

**Skin:** Skin Corrosion. Exposure to solid along with moisture may cause redness, irritation, burning sensation, swelling, blister formation, first, second, or third degree burns.

**Eye:** Serious Eye Damage. Exposure to eyes may cause irritation and burns to the eye lids, conjunctivitis, corneal edema, and corneal burn. Significant and prolonged contact may cause damage to the internal contents of the eye.

**Ingestion (Swallowing):** Gastrointestinal Effects: Exposure by ingestion may cause irritation, nausea, and vomiting. May cause local tissue damage to esophagus and stomach such as burning, inflammation, local ulceration, and may cause gastrointestinal bleeding

**Delayed Symptoms/Effects:** Repeated and prolonged skin contact may cause dermatitis

**Interaction with Other Chemicals Which Enhance Toxicity:** None known.

**Medical Conditions Aggravated by Exposure:** May aggravate preexisting conditions such as: eye disorders that decrease tear production or have reduced integrity of the eye; skin disorders that compromise the integrity of the skin; and respiratory conditions including asthma and other breathing disorders.

**Protection of First-Aiders:** Protect yourself by avoiding contact with this material. Use personal protective equipment. Refer to Section 8 for specific personal protective equipment recommendations. Avoid contact with skin and eyes. Do not ingest. At minimum, treating personnel should utilize PPE sufficient for prevention of blood borne pathogen transmission.

**Notes to Physician:** Treat as a corrosive substance. This material is more irritating to the skin and eyes in the presence of water. For prolonged exposures and significant exposures, consider delayed



injury to exposed tissues. There is no antidote. Cyanuric acid is readily removed from the body via the renal system, and is not bioaccumulated.

Treatment is supportive care. Follow normal parameters for airway, breathing, and circulation.

#### Section 5. Firefighting Measures

**Fire Hazard:** Negligible fire hazard. If heated by outside source to temperatures above 240 C (464 F), this product will undergo decomposition with the evolution of noxious gases but no visible flame. Wet material may generate nitrogen trichloride, an explosion hazard.

**Extinguishing Media:** Flood with copious amounts of water. Do not use ABC fire extinguishers. Do not use dry chemicals, carbon dioxide, or halogenated extinguishing agents.

**Firefighting:** Consider evacuation of personnel located downwind. Keep unnecessary people away, isolate hazard area and deny entry. Move container from fire area if it can be done without risk. Avoid inhalation of material or combustion by-products. Stay upwind and keep out of low areas. Wear NIOSH approved positive-pressure self-contained breathing apparatus operated in pressure demand mode. Material which appears undamaged except for being damp on the outside, should be opened and inspected immediately. Do not attempt to reseal contaminated drums. Damp material should be neutralized to a non-oxidizing state.

**Hazardous Combustion Products:** Chlorine, Nitrogen, Nitrogen trichloride, Cyanogen chloride, Oxides of carbon, Phosgene

**Sensitivity to Mechanical Impact:** Not sensitive.

**Sensitivity to Static Discharge:** Not sensitive.

**Lower Flammability Level (air):** Not flammable

**Upper Flammability Level (air):** Not flammable

**Flash point:** Not applicable

**Auto-ignition Temperature:** Not determined

**GHS: Physical Hazards:** Oxidizing Solid - Cat. 2

#### Section 6. Accidental Release Measures

**Personal Precautions:** Keep unnecessary and unprotected persons away. Isolate hazard area and deny entry. Do not get in eyes, on skin or on clothing. Do not breathe dust, fume, gas, mist, vapors, or spray. Wear appropriate personal protective equipment recommended in Section 8, Exposure Controls / Personal Protection, of the SDS. Keep away from combustible materials.

**Methods and Materials for Containment and Cleaning Up:** Do not add water to spilled material. DO NOT use floor sweeping compounds to clean up spills. Sweep and scoop spilled material into clean, dedicated equipment. Every attempt should be made to avoid mixing spilled material with other chemicals or debris when cleaning up. Do not attempt to reseal contaminated drums. Do not transport wet or damp material. Damp material should be neutralized to a non-oxidizing state.



**Environmental Precautions:** This material is very toxic to aquatic life. This material is very toxic to aquatic life with long lasting effects. Keep out of water supplies and sewers. Releases should be reported, if required, to appropriate agencies

#### Section 7. Handling and Storage

**Precautions for Safe Handling:** Do not get in eyes, on skin, or on clothing. Avoid breathing vapors or dust when opening container. Avoid creation of dust. Wash thoroughly after handling. Wear personal protective equipment as described in Exposure Controls/Personal Protection (Section 8) of the SDS. Never add water to this product. Always add product to large quantities of water. Use clean, dry utensils. Do not add the product to any dispensing device containing residuals of other products. Keep away from heat, sparks, flame and other sources of ignition.

**Safe Storage Conditions:** Store and handle in accordance with all current regulations and standards. (NFPA Oxidizer Class 1). Store away from open flames, and combustibles. Do not allow water to get in container. If liner is present, tie after each use. Keep container tightly closed and properly labeled. Store containers on pallets. Keep away from food, drink and animal feed. Keep separated from incompatible substances (see below or Section 10 of the Safety Data Sheet). Product has an indefinite shelf life if stored in original container in a cool, dry place.

**Incompatibilities/ Materials to Avoid:** acids, ammonia, bases, floor sweeping compounds, calcium hypochlorite, reducing agents, organic solvents and compounds

**GHS: Physical Hazards:** Oxidizing Solid - Cat. 2

#### Section 8. Exposure Controls / Personal Protection

**Regulatory Exposure Limit(s):** None. This product does not contain any components that have regulatory occupational exposure limits (OEL's) established

**Non-Regulatory Exposure Limits:** Listed below for the product components that have advisory (non-regulatory) occupational exposure limits (OEL's) established.

**REL - 8 hr TWA:** 0.5 mg/m<sup>3</sup> recommended Time Weighted Average - 8 hour (internal Occupational Exposure Limit)

**Additional Advice:** Chlorine and chlorine compounds may be found in slight amounts in the head space of containers of this product.

**Engineering Controls:** Use only in well-ventilated areas. Provide local exhaust ventilation where dust or mist may be generated. Ensure compliance with applicable exposure limits

#### Personal Protective Equipment

**Eye Protection:** Wear safety glasses with side-shields. Wear chemical safety goggles with a face-shield to protect against eye and skin contact when appropriate. Provide an emergency eye wash fountain and quick drench shower in the immediate work area.



**Skin and Body Protection:** Wear protective clothing to minimize skin contact. When potential for contact with dry material exists, wear disposable coveralls suitable for dust exposure.

Contaminated clothing should be removed and laundered before reuse.

**Hand Protection:** Wear appropriate chemical resistant gloves. Consult a glove manufacturer for assistance in selecting an appropriate chemical resistant glove.

**Protective Material Types:** Butyl rubber, Natural rubber, Neoprene, Nitrile, Polyvinyl chloride (PVC)

**Respiratory Protection:** A NIOSH approved respirator with N95 (dust, fume, mist) cartridges may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits, or when symptoms have been observed that are indicative of overexposure. The added protection of a full face-piece respirator is required when visible dusty conditions are encountered and eye irritation may occur. Acid gas cartridges with N95 filters are required when fumes or vapor may be generated. A respiratory protection program that meets 29 CFR 1910.134 must be followed whenever workplace conditions warrant use of a respirator.

#### Section 9. Physical and Chemical Properties

**Appearance:** Solid White Crystals, Granules

**Odor:** Slight chlorine odor

**Odor Threshold:** Not Available.

**Molecular Weight:** 232.4

**Decomposition Temperature:** 478°F (248°C)

**Boiling Point/Range:** Not applicable

**Freezing Point/Range:** Not applicable.

**Melting Point/Range:** 478°F (248°C)

**Vapor Pressure:** <0.002 Pa @ 20°C

**Vapor Density (air=1):** Not applicable

**Relative Density/Specific Gravity (water=1):** No data available

**Density:** 2.1 g/mL @ 25°C

**Bulk Density:** 63 - 66 lbs/ft<sup>3</sup> (loose)

**Water Solubility:** 0.98 mg/100 g @ 20°C

**pH:** 2.9 - 3.5 @ 25°C (1% solution)

**Volatility:** Not applicable

**Evaporation Rate (ether = 1):** Not applicable

**Partition Coefficient (n-Octanol/Water):** No data available

**Flash point:** Not applicable

**Flammability (solid, gas):** Not flammable

**Lower Flammability Level (air):** Not flammable

**Upper Flammability Level (air):** Not flammable

**Auto-ignition Temperature:** Not determined

**Viscosity:** Not applicable





Section 10. Stability and Reactivity

**Reactivity:** Not reactive under normal temperatures and pressures.

**Chemical Stability:** Stable at normal temperatures and pressures.

**Possibility of Hazardous Reactions:** Do not get water inside container. Wet material may generate nitrogen trichloride, an explosion hazard. Avoid contact with easily oxidizable organic material. Contact with acids liberates toxic gas.

**Conditions to Avoid:** (e.g., static discharge, shock, or vibration) -. None known.

**Incompatibilities/ Materials to Avoid:** acids. ammonia. bases. floor sweeping compounds. calcium hypochlorite. reducing agents. organic solvents and compounds.

**Hazardous Decomposition Products:** chlorine, nitrogen, nitrogen trichloride, cyanogen chloride, oxides of carbon, phosgene

**Hazardous Polymerization:** Will not occur

Section 11. Toxicological Information

**Irritation Data**

**Primary Skin Irritation:** Severe Irritation, Corrosive (rabbit, 24 hr)

**Primary Eye Irritation:** Severe Irritation, Corrosive (rabbit, 24 hr)

**Toxicity Data**

**LD50 Oral:** 809 mg/kg (Rat)

**LD50 Dermal:** > 2000 mg/kg (Rabbit)

**LC50 Inhalation:** 0.09 - 0.29 mg/L (4 hr - Rat)

**Component Toxicity Data**

**Note:** The component toxicity data is populated by the LOLL database and may differ from the product toxicity data given

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation
Trichloro-s-triazinetriene	406 mg/kg (Rat)	2000 mg/kg (Rabbit)	50 mg/L (1 hr-Rat)

**Potential Health Effects**

**Eye contact:** Eye exposures may cause burns to the eye lids, conjunctivitis, corneal edema, and corneal burn. Significant and prolonged contact may cause damage to the internal contents of eye.

**Skin contact:** Exposure to solid along with moisture may cause redness, irritation, burning sensation, swelling, blister formation, first, second, or third degree burns. Dry material is less irritating than wet material. This material is not a skin sensitizer based on studies with guinea pigs.

**Inhalation:** This material in the form as sold is not expected to produce respiratory effects. Particles of respirable size are generally not encountered. The respirable fraction is typically less than 0.1% by weight for the granular and extra granular grades. If ground or otherwise in a powdered form, effects similar to a corrosive substance may occur. Exposure to the solid product or to free chlorine evolving from the product may cause irritation, redness of upper and lower airways, coughing, laryngeospasm and edema, shortness of breath, bronchoconstriction, and possible pulmonary





edema. The pulmonary edema may develop several hours after a severe acute exposure.

**Ingestion:** Exposure by ingestion may cause irritation, nausea, and vomiting. May cause local tissue damage to epiglottis, mucus membranes of the mouth, esophagus and stomach such as burning, inflammation, local ulceration, and may cause gastrointestinal bleeding

**Chronic Effects:** None identified for the parent chemical. Based on animal studies, exposure to concentrations of monosodium cyanurate at the solubility limit may cause cardiovascular, kidney and urinary bladder effects

### Signs and Symptoms of Exposure

**Inhalation (Breathing):** Respiratory System Effects: Exposure to the solid product or to free chlorine evolving from the product may cause irritation, redness of upper and lower airways, coughing, laryngospasm and edema, shortness of breath, bronchoconstriction, and possible pulmonary edema. The pulmonary edema may develop several hours after a severe acute exposure.

**Skin:** Skin Corrosion. Exposure to solid along with moisture may cause redness, irritation, burning sensation, swelling, blister formation, first, second, or third degree burns.

**Eye:** Serious Eye Damage. Exposure to eyes may cause irritation and burns to the eye lids, conjunctivitis, corneal edema, and corneal burn. Significant and prolonged contact may cause damage to the internal contents of the eye.

**Ingestion (Swallowing):** Gastrointestinal Effects: Exposure by ingestion may cause irritation, nausea, and vomiting. May cause local tissue damage to esophagus and stomach such as burning, inflammation, local ulceration, and may cause gastrointestinal bleeding.

**Toxicity:** Monosodium cyanurate was administered via drinking water to rats for 104 weeks at concentrations of 0, 400, 1200, 2400, and 5375 ppm (solubility limit). No compound-related effects on body weights, clinical signs of toxicity or food or water consumption were noted during the study. An increased incidence of gross lesions in the urinary tract, calculi in the kidney and lesions in the heart were observed in males receiving the highest dose level of 5375 ppm (solubility limit). The health effects seen in this study were due to precipitation of the test substance in the urinary tract when the test substance was fed at the solubility limit. Adverse health effects were not seen at lower doses where precipitation did not occur.

**Interaction with Other Chemicals Which Enhance Toxicity:** None known

### GHS Health Hazards

**Acute Toxicity - Oral:** Category 4 - Harmful if swallowed.

**Acute Toxicity - Dermal:** Not acutely toxic by dermal exposure.

**Acute Toxicity - Inhalation:** Category 2 - Fatal if inhaled.

**Skin Absorbent/Dermal Route:** No.

**Contact Hazard - Skin:** Category 1C - Causes severe skin burns and eye damage

**Contact Hazard - Eye:** Category 1 - Causes serious eye damage

**Carcinogenicity:** This product is not classified as a carcinogen by NTP, IARC or OSHA

**Specific Target Organ Toxicity (Single Exposure):** Category 3 - Respiratory Tract Irritation



**Mutagenic Data:** Not classified as a mutagen per GHS criteria. Not mutagenic in 5 Salmonella strains and 1 E. coli strain with or without mammalian microsomal activation.

**Reproductive toxicity:** Not classified as a reproductive toxin per GHS criteria. There are no known or recorded effects on reproductive function or fetal development.

**Other hazards:** Contact with acids liberates toxic gas

## Section 12. Ecological Information

### Ecotoxicity Data

#### Fish Toxicity

**LC50 Bluegill sunfish:** 0.23 - 0.40 mg/l (96 hr.)

**LC50 Rainbow trout:** 0.24 - 0.37 mg/l (96 hr.)

#### Invertebrate Toxicity

**LC50 Water flea:** 0.17 - 0.80 mg/L (48 hour)

#### Algae Toxicity

LC50 Green algae: < 0.5 mg/L (3 hour)

#### Other Toxicity

**LD50 Mallard duck (oral):** 1021 - 1631 mg/kg

**LD50 N. Bobwhite Quail (oral):** 1638 mg/kg

**LD50 Mallard duck (diet):** >10,000 ppm

**LD50 N. Bobwhite Quail (diet):** >7422 ppm

#### Fate and Transport

**Biodegradation:** This material is subject to hydrolysis cyanuric acid produced by hydrolysis is biodegradable

**Persistence:** This material is believed not to persist in the environment

Free available chlorine is rapidly consumed by reaction with organic and inorganic materials to produce chloride ion. The stable degradation products are chloride ion and cyanuric acid

**Bio concentration:** This material hydrolyses in water liberating free available chlorine and cyanuric acid. These products are not bio accumulative

**Additional Ecological Information:** This product is very toxic to fish and aquatic organisms. This product is very toxic to aquatic life with long lasting effects. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of appropriate regulatory requirements (e.g. permit and the permitting authority has been notified in writing prior to discharge). Do not discharge effluent containing this product into sewer systems without previously notifying the sewage treatment plant authority. For guidance, contact your local or regional regulatory water boards and/or other appropriate regulatory offices



Section 13. Disposal Considerations

**Waste Treatment Methods:** Dispose of product and contaminated packaging in accordance with all local, state, and federal environmental control regulations.

Section 14. Transport Information

**Land Transport**

**U.S. DOT 49 CFR 172.101**

**Status:** Regulated. For ground or air shipments only, non-bulk packages are regulated as oxidizers. Bulk Packaging or Shipment by Vessel: Regulated as follows

**UN Number:** UN2468

**Proper Shipping Name:** Trichloroisocyanuric Acid, Dry, Marine Pollutant

**Hazard Class/ Division:** 5.1

**Packing Group:** II

**Labeling Requirements:** 5.1, Marine Pollutant

**Marine Pollutant:** Trichloroisocyanuric Acid

**Canadian Transportation of Dangerous Goods**

**Status:** Regulated. For ground or air shipments only, non-bulk packages are regulated as oxidizers. Bulk Packaging or Shipment by Vessel: Regulated as follows:

**UN Number:** UN2468

**Shipping Name:** Trichloroisocyanuric Acid, Dry, Marine Pollutant

**Class or Division:** 5.1

**Packing/Risk Group:** II

**Labeling Requirements:** 5.1, Marine Pollutant

**Can. Marine pollutant:** Trichloroisocyanuric Acid

**Maritime Transport (IMO / IMDG)**

**Status - IMO/IMDG:** Shipment by Vessel: Regulated

**UN Number:** UN2468

**Proper Shipping Name:** Trichloroisocyanuric Acid, Dry, Marine Pollutant

**Hazard Class / Division:** 5.1

**Packing Group:** II

**Labeling Requirements:** 5.1, Marine Pollutant

**Marine Pollutant:** Trichloroisocyanuric Acid

Section 15. Regulatory Information

**U.S. Regulations**

**OSHA Regulatory Status:** This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)



**CERCLA Sections 102a/103 Hazardous Substances (40 CFR 302.4):** Not regulated.

**SARA EHS Chemical (40 CFR 355.30):** Not regulated

**EPCRA Sections 311/312 Hazard Categories (40 CFR 370.10):** Fire Hazard, Reactive Hazard, Acute Health Hazard

**EPCRA Section 313 (40 CFR 372.65):** Not regulated.

**OSHA Process Safety (PSM) (29 CFR 1910.119):** Not regulated

**FIFRA Regulations:** Registered pesticide under 40 CFR 152.10, Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), EPA Reg. No. 935-37 (ACLO 90 Plus Chlorinating Composition)

**FIFRA Labeling Requirements:** This chemical is a pesticide product registered by the United States Environmental Protection Agency (EPA) and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.

- FIFRA Signal Word - Danger
- Corrosive
- Causes irreversible eye damage and skin burns
- May be fatal if swallowed
- Harmful if absorbed through skin or inhaled
- This pesticide is toxic to fish and aquatic organisms
- Strong oxidizing agent
- Contact with water slowly liberates irritating and hazardous chlorine containing gases
- Decomposes at temperatures above 437 °F with liberation of harmful gases with liberation of harmful gases
- When ignited will burn with the evolution of chlorine and equally toxic gases
- NEVER add water to product
- Always add product to large quantities of water
- Use only clean and dry utensils
- DO NOT add this product to any dispensing device containing remnants of any other product
- Such use may cause a violent reaction leading to fire or explosion
- Contamination with moisture, organic material, or other incompatible chemicals may start a reaction with generation of heat, liberation of hazardous gases, and possible fire and explosion

#### **National Inventory Status**

**U.S. Inventory Status: Toxic Substance Control Act (TSCA):** All components are listed or exempt.

**TSCA 12(b):** This product is not subject to export notification.

**Canadian Chemical Inventory:** All components of this product are listed on either the DSL or the NDSL



**State Regulations - Trichloro-s-triazinetrione (CAS No. 87-90-1)**

**California Proposition 65:** This product and its ingredients are not listed, but it may contain impurities/trace elements known to the State of California to cause cancer or reproductive toxicity as listed under Proposition 65 State Drinking Water and Toxic Enforcement Act.

**California Proposition 65 Cancer Warning:** Not Listed

**California Proposition 65 CRT List - Male reproductive toxin:** Not Listed

**California Proposition 65 CRT List - Female reproductive toxin:** Not Listed

**Massachusetts Right to Know Hazardous Substance List:** Listed

**New Jersey Right to Know Hazardous Substance List:** 1892

**New Jersey Special Health Hazards Substance List:** Not Listed

**New Jersey - Environmental Hazardous Substance List:** Not Listed

**Pennsylvania Right to Know Hazardous Substance List:** Listed

**Pennsylvania Right to Know Special Hazardous Substances:** Not Listed

**Pennsylvania Right to Know Environmental Hazard List:** Not Listed

**Rhode Island Right to Know Hazardous Substance List:** Listed

**Canadian Regulations:** This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations

**PCP Registration:** This product is registered as a pesticide in Canada under PCP Reg No.18228 - (ACL 90 Plus Chlorinating Composition)

**HMIS**

**Health:** 3

**Flammability:** 0

**Reactivity:** 2

**NFPA**

**Health:** 2

**Flammability:** 0

**Reactivity:** 2

Section 16. Other Information

**Disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

REVISION DATE: 11/6/2015