

MATERIAL SAFETY DATA SHEET

Date Revised: July 2005

Information on this form is furnished solely for the purpose of compliance with the Occupational Safety and Health Act and shall not be used for any other purpose. T. Christy Enterprises, Inc. urges the customers receiving this Material Safety Data Sheet to study it carefully to become aware of the hazards, if any, of the product involved. In the interest of safety, you should notify your employees, agents and contractors of the information on this sheet.

SECTION I

MANUFACTURER'S NAME:

T. Christy Enterprises, Inc.

ADDRESS:

655 East Ball Road, Anaheim, CA 92805-5910

(714) 507-3300 FAX:(714) 507-3310

Transportation Emergencies:

INFOTRAC: (800) 535-5053

Medical Emergencies: (800) 451-8346

CHEMICAL NAME and FAMILY

Hypochlorite

TRADE NAME: HTH Dry Chlorine Tablets

Christy's® 30932/30929

FORMULA: Proprietary

SECTION II - HAZARDOUS INGREDIENTS

None of the ingredients below are listed as carcinogens by IARC, NTP or OSHA

| | CAS# | APPROX % | ACGIH-TLV | ACGIH-STEL | OSHA-PEL (TWA) | OSHA-STEL |
|----------------------|------------|----------|-----------|------------|--------------------|----------------------------|
| Calcium hypochlorite | 7778-54-3 | 60-80% | | | | |
| Sodium chloride | 7647-14-5 | 10-20% | | | | |
| Calcium chlorate | 10137-74-3 | 0-5% | | | | |
| Calcium chloride | 10043-52-4 | 0-5% | | | | |
| Calcium hydroxide | 1305-62-0 | 0-6% | 5 mg | | | |
| Calcium carbonate | 471-34-1 | 0-5% | 10 mg | | 15 mg (Total dust) | 5 mg (Respirable fraction) |
| Water | 7732-18-5 | 4-10% | | | | |

SHIPPING INFORMATION FOR GALLON CONTAINERS OR ABOVE

DOT Shipping Name: Calcium hypochlorite
 DOT Hazard Class: 5.1
 Identification Number: UN 1748
 Packaging Group: II
 Label Required: Oxidizer

SPECIAL HAZARD DESIGNATIONS

| | HMIS | NFPA | HAZARD RATING |
|---------------|------|------|---------------|
| HEALTH: | 3 | 3 | 0-MINIMAL |
| FLAMMABILITY: | 0 | 0 | 1-SLIGHT |
| REACTIVITY: | 1 | 1 | 2-MODERATE |
| PROTECTIVE: | | | 3-SERIOUS |
| EQUIPMENT: | B | B | 4-SEVERE |

SPECIAL HAZARD WARNING: OX (OXIDIZER)

SECTION III - PHYSICAL DATA

| | | |
|--|--|---|
| APPEARANCE White tablet | ODOR Chlorine-like | BULK DENSITY 1.9 G/CC ph @ 25°C:10.4-10.8 (1% soln) |
| DECOMPOSITION TEMPERATURE Onset-approx. 170-180°C: 338-356°F | VAPOR PRESSURE (@25°C.) N/A | PERCENT VOLATILE BY VOLUME(%) None |
| VAPOR DENSITY (Air=1) N/A | EVAPORATION RATE (ETHER = 1) N/A | SOLUBILITY IN WATER Approximately 18% @ 25°C |

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

| | | | |
|---------------------------|---|-------------------|-------------------|
| FLASH POINT N/A | FLAMMABLE LIMITS (PERCENT BY VOLUME) | LEL N/A | UEL N/A |
|---------------------------|---|-------------------|-------------------|

FIRE EXTINGUISHING MEDIA: Water only

SPECIAL FIRE FIGHTING PROCEDURES Use water to cool containers exposed to fire. Also, see Section XI. Do not use dry extinguishers containing ammonium compounds. This product is chemically reactive with many substances. Any contamination of the product with other substances by spill or otherwise may result in a chemical reaction and fire. This product is a strong oxidizer which is capable of intensifying a fire once started.

UNUSUAL FIRE AND EXPLOSION HAZARDS

None known.

SECTION V - HEALTH HAZARD DATA

PRIMARY ROUTES OF ENTRY: Inhalation Skin Contact Eye Contact Ingestion

EFFECT OF OVEREXPOSURE

ACUTE: May be fatal if swallowed. Avoid breathing dust or fumes. Causes skin, eye, digestive tract and respiratory tract burns.

Inhalation: May be irritating to the nose, mouth, throat and lungs. In confined areas, high levels of dust can result in chlorine vapor which may result in burns to the respiratory tract, producing lung edema, shortness of breath, wheezing, choking, chest pains, impairment of lung function and lung damage.

Skin Contact: Dermal exposure can cause severe irritation and/or burns characterized by redness, swelling and scab formation.

Eye Contact: Severe irritation and/or burns can occur following eye exposure. Contact may cause impairment of vision and corneal damage.

Ingestion: Irritation and/or burns can occur to the entire gastrointestinal tract, including the stomach and intestines, characterized by nausea, vomiting, diarrhea, abdominal pain, bleeding and/or tissue ulceration. Ingestion may be fatal.

| | | | | | |
|----------------------|----------------|--------------|----------------|--------------------------|----------------------|
| REPRODUCTIVE EFFECTS | TERATOGENICITY | MUTAGENICITY | EMBRYOTOXICITY | SENSITIZATION TO PRODUCT | SYNERGISTIC PRODUCTS |
| N.A.P | N.A.P | N.A.P | | | |

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Asthma, respiratory and cardiovascular disease.

EMERGENCY AND FIRST AID PROCEDURES

Inhalation: Remove to fresh air and if breathing stopped, give artificial respiration. If breathing is difficult, give oxygen. Call doctor.

Eye Contact: Flush eyes with plenty of water for 15 minutes lifting the upper and lower eyelids. Call a doctor at once.

Skin Contact: Immediately remove contaminated clothing and shoes. Immediately flush with water for at least 15 minutes. Call a doctor.

Ingestion: Immediately drink large quantities of water. **DO NOT INDUCE VOMITING.** Call a doctor at once. Do not give anything by mouth if person is unconscious or if having convulsions.

SECTION VI - REACTIVITY

| | | | |
|-----------|----------|---|---------------------------------------|
| STABILITY | UNSTABLE | | CONDITIONS TO AVOID |
| | STABLE | X | Storage at temperature >125°F (52°C). |

INCOMPATIBILITY (MATERIALS TO AVOID) This product is chemically reactive with many substances, including, other pool treatment products, acids, organics, nitrogen-containing compounds, dry powder fire extinguishers, oxidizers, corrosive, flammable or combustible materials.

HAZARDOUS DECOMPOSITION PRODUCTS

Chlorine gas

| | | | |
|----------------|----------------|---|---|
| HAZARDOUS | MAY OCCUR | | CONDITIONS TO AVOID Prevent ingress of humidity and moisture into container or package. Always close the lid. |
| POLYMERIZATION | WILL NOT OCCUR | X | |

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Monitor all exit water for available chlorine and pH. Advise local authorities of any contaminated water release. For a land spill separate all spilled product from packaging, debris and other material. Using a clean broom or shovel, place all spilled product into plastic bags, and place those bags into a clean, dry disposable container properly marked and labelled. Do not seal containers tightly. Place all damaged packaging material in a disposal container of water to assure decontamination before disposal. Vapors may be suppressed by the use of a water fog. All water utilized to assist in fume suppression, decontamination or fire suppression may be contaminated and must be contained before disposal and/or treatment.