



## PRICE CHEMICALS PTY LIMITED

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# MATERIAL SAFETY DATA SHEET

## TRICHLOROISOCYANURIC ACID

Date of Issue: 1<sup>st</sup> May 2006

### SECTION ONE—PHYSICAL AND CHEMICAL PROPERTIES

Chemical name: Trichloroisocyanuric acid

Formula:  $CL_3(CNO)_3$

Molecular Weight: 232.5

Appearance and Odor: White granules or white tablets with chlorine odor

Active chlorine content: 90% min.

PH(1% SOL): 2.7-3.3

Solubility in water: Soluble

Bulk Density: 1.2g/100g H<sub>2</sub>O

### SECTION TWO—PHYSICAL HAZARDS (REACTIVITY DATA)

#### CONDITIONS TO AVOID:

At 240-250°C decomposes

Product is stable under dry, normal conditions.

#### INCOMPATIBILITY, MATERIAL TO AVOID:

1. Contact with most organic matter or easily chlorinated or oxidized materials may result in fire.

2. Contact with ammonia, ammonium salts, urea, or similar compounds that contain nitrogen may form nitrogen trichloride, a highly explosive compound.

3. Mixture with nonionic surface active agents may result in exothermic

reactions causing fire or explosion.

4. Contact with water releases extremely dense and noxious fumes containing chlorine and other toxic gases.

**HAZARDOUS DECOMPOSITION PRODUCTS:**

Nitrogen Trichloride, Chlorine, Hydrogen chloride.

Decomposition can be initiated with a heat source and can propagate throughout the mass with the evolution of dense toxic and irritating fumes.

**SECTION THREE—FIRST AID**

**INGESTION:**

Feed milk followed by olive oil, induce vomiting by putting finger to back of throat if large amount has been ingested and patient is conscious. Keep head below hips to prevent aspiration. Call physician.

**EYE IRRITATION:**

Flush eyes with large quantities of running water for at least 15 minutes. If victim is wearing contact lenses, remove them. Hold eyelids apart during the flushing to ensure rinsing of entire surface of the eye and lids with water. DO NOT let victim rub eye(s). Do not attempt to neutralize with chemical agents. Oils/ointments should not be used at this time. Get medical attention if eye irritation occurs.

**SKIN IRRITATION:**

In case of contact, immediately wash with plenty of soap and water for at least 15 minutes. Seek medical attention. Remove contaminated clothing and shoes before reuse or discard if they cannot be thoroughly cleaned.

**INHALATION:**

Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is labored, give oxygen. Get medical assistance as soon as possible.

**SECTION FOUR—PERSONAL PROTECTION**

**EYE PROTECTION:**

Eye and face protection requirements will vary dependent upon work environment conditions and material handling practices. Appropriate

ANSIZ87 approved equipment should be selected for the particular use intended for this material. It is generally regarded as good practice to wear a minimum of safety glasses with side shields when working in industrial environments.

**SKIN PROTECTION:**

Skin contact should be minimized through use of impervious gloves and suitable long-sleeved clothing (i.e .shirts and pants). Consideration must be given to both to durability as well as permeation resistance.

**RESPIRATORY PROTECTION:**

NIOSH certified gas mask with canister for chlorine.

**INGESTION:**

Don't eat, drink and smoke when working.

**SECTION FIVE—HANDLING AND STORAGE:**

Store in cool, dry, well-ventilated area. Keep container tightly closed when not in use. After removing material, retie polyethylene bag and replace lid.

**SECTION SIX—HANDLING THE LEAKAGE**

If severe irritant to eyes, skin and respiratory tract. Repeated exposure may damage the lungs. Ingestion may cause gastrointestinal tract irritation.

**SECTION SEVEN—FIRE AND EXPLOSION DATA**

**EXTINGUISHER MEDIA:**

Use water spray to cool containers exposed to fire and massive quantities of water to dilute material involved in a fire or spilled from containers. Dry chemical, extinguishers may react violently with this product.

**SPECIAL FIRE FIGHTING PROCEDURES:**

Self-continued breathing apparatus with full facepiece and protective clothing if involved in a fire of other materials.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:**

Oxidizing and chlorinating agent. Contact with organic matter or easily chlorinated or oxidized materials may result in fire.

**SECTION EIGHT—TRANSPORATION DATA**

Proper shipping name: Trichloroisocyanuric Acid

Hazard class: 5.1

UN No.: 2468

Packing group: II

CAS No.: 87-90-1

EMS:5.1-05

MFAG: 740

RTECS: XZ1925000

IMDG CODE PAGE: 5190

**Contact Points**

Organisation	Location	Telephone	Ask For
Price Chemicals Pty Ltd	Somersby NSW	02-4340 0088	Technical Officer
Poisons Information Centre	Westmead	131129	
		1800-251525	