

# ATLANTIC WATER TECHNOLOGY LTD

## PRODUCT INFORMATION A-65-5

### TRICHLOROISOCYANURIC ACID (A-65-5)

#### Product Identification:

Synonyms: This MSDS applies to the above mentioned product.

Product Code: A-65-5

#### Composition/Information on Ingredients:

<u>Main Ingredients</u>	<u>Percent</u>	<u>Hazardous</u>
Trichloroisocyanuric Acid	90-98%	Yes

#### Hazards Identification

Danger! Corrosive. Mist cause severe burns to all body tissue. May be fatal if swallowed or inhaled.

#### Safety-data Rating (Provided here for your convenience)

Health Rating:	3-severe
Flammability Rating:	0- None
Reactivity Rating :	2-Moderate
Contact Rating:	3- Severe (Corrosive)
Lab Protective Equip:	Goggles & Shield, Lab coat & Apron; Vent Hold; Proper gloves
Storage Color Code:	White (Corrosive)

#### Potential Health Effects:

**Inhalation:** Corrosive inhalation of vapours can cause coughing, choking, inflammation of nose, throat and upper respiratory tract, and in severe cases, pulmonary edema, circulatory failure and death.

**Ingestion:** Corrosive! Swallowing this chemical can cause immediate pain and burns of the mouth, throat and gastrointestinal tract. May cause nausea, vomiting and diarrhea and in severe case death.

**Skin Contact:** Corrosive! Can cause redness and severe skin burns. Concentrated solution cause deep ulcers and discolor skin.

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**Eye contact:** Corrosive! Vapours are irritating and may cause damage to the eye. Contact may cause severe burns and permanent eye damage.

**Chronic Exposure:** Long-term exposure to concentrated vapors may cause erosion of teeth long term, exposure seldom occur due to the corrosive properties of the acid.

## First Aid Measure:

**Inhalation:** Remove to fresh air. If not breathing, give artificial respiration, if breathing is difficult, give oxygen. Get medical attention immediately.

**Ingestion:** **DO NOT INDUCE VOMITING!** Give large quantity of water or milk if available. Get medical attention immediately.

**Skin Contact.** In case of contact, immediately flush skin with plenty of water for at least 15 minutes. While removing contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.

**Eye contact:** Immediately flush eyes with plenty of water for at least 15 min. lifting lower and upper eyelids occasionally. Get medical attention immediately.

## Accidental Release Measures.

Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in section 8. Isolate hazard area. Keep unnecessary and unprotected personal from entering. Don't use combustible material, such as saw dust. Don't flush to sewer.

## Physical and Chemical Properties:

Appearance:	White Powder
Odor:	Pungent odor
Solubility:	1.2 g/100 ml
Melting Point:	225°C.
Relative Molecular Mass:	232.5
Vapor density:	No Information found
Flash Point:	Non Flammable
Vapor Pressure:	No Information found
Evaporation rate:	No Information found.

## Stability and Reactivity:

**Stability:** Stable under ordinary of use and storage.

**Hazardous decomposition products:**when heated to decomposition, emits toxic hydrogen chloride fumes and will react with water or steam to produce heat and toxic corrosive fumes. Thermal oxidative decomposition produces toxic chlorine fumes and explosive hydrogen gas.

**Condition to Avoid:** Heat and direct sun light