

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Trade name: WATERCLOR Trichloroisocyanuric Acid (TCCA)  
Supplier: Waterland  
10 Admiralty Street #01-71 Northlink, Singapore 757695  
Tel: 6481 0531 Fax: 6484 0839

## 2. COMPOSITION/DATA ON COMPONENTS:

A white crystal powder, granular or tablet with stimulant smell of hypochloric acid, with specific gravity of 0.96 and solubility in water of 1.2g /100g(25°C); resolving when contact with acid or alkali

CAS NO.: 87-90-1

## 3. HAZARDS IDENTIFICATION

Harmful if swallowed. Irritating to eyes and respiratory system. Contact with acid or alkali will give out toxic gas.

Hazard designation: 5.1

## 4. FIRST AID MEASURES

Eye: Wash eyes with plenty of water at least 15 minutes. Get medical aid immediately.

Skin: Remove contaminated clothing and shoes, wash skin with plenty of soap and water. Get medical aid immediately.

Ingestion: If victim is conscious, give 2-4 cupful's of milk or water. Do not induce vomiting, seek medical aid immediately.

Inhalation: Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical aid immediately.

## 5. FIRE FIGHTING MEASURES

Suitable extinguishing agents: use plenty of water

## 6. ACCIDENTAL RELEASE MEASURES

Person-related safety precautions: Once touch, use water to wash.  
Measures for environmental protections: Keep dry and cool, out of the sunlight and rain.  
Spills/Leaks: Vacuum or sweep up material and put into a suitable disposal container. Avoid using metal tools or containers.

## 7. HANDING AND STORAGE

Handling: Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes. Avoid contact with clothing and other combustible materials.

Storage: Keep in dry and cool place. Keep out of the sunlight and rain, do not contact with acidic and alkaline materials.

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Personal protective equipment: wear chemical goggles, gloves or respirators and other appropriate clothing.

## 9. PHYSICAL AND CHEMICAL PROPERTIES:

Technical name: Trichloroisocyanuric Acid, dry  
Form: Solid  
Colour: White  
Odour: With stimulant smell of hypochloric acid  
Molecular Weight: 232.44  
Change in condition: Resolving when contact with acid or alkali  
Flash point: N/A  
Danger of explosion: No  
Density: 0.9~1.8  
Solubility: 1.2g /100g (25) of solubility in water.

## 10. STABILITY AND REACTIVITY:

Chemical stability: Stable under normal temperatures and pressures.  
Conditions to avoid: Incompatible materials, acid, alkali, moisture or water.  
Dangerous products of composition: Hydrogen chloride, nitrogen oxides and nitrogen.]

## 11. TOXICOLOGICAL INFORMATION:

Acute toxicity: Yes  
Primary irritant effect: Naupathia and short of breath, cough.

## 12. ECOLOGICAL INFORMATION:

N/A

## 13. DISPOSAL CONSIDERATIONS

Dispose of in a manner complying with federal, state and local regulations.  
Unclean packaging: Forbidden.

## 14. TRANSPORT INFORMATION

IMO: 5.1  
UNNO: 2468  
Packaging group: II

## 15. REGULATORY INFORMATION

N/A

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