

1. Identification of the substance/preparation and of the company/undertaking

- **Trade Name:** 200g Multifunctional Chlorine Tablets
- **Other names** Trichloroisocyanuric Acid
- **Intended use of chemical** For disinfection of pool and spa water
- **Manufacturer/Supplier** Complete Pool Controls Ltd, Unit 2, The Park, Stoke Orchard, Bishops Cleeve, Gloucestershire, GL52 7RS.
Tel: +44 (0) 8712 229081 Fax: +44 (0) 8712 229083

2. Hazard Identification

- **Hazard description**



Harmful
Dangerous for the environment

- **Hazard information concerning particular hazards for human and the environment**

The product has to be labelled due to the calculation procedure of the 'General Classification guideline for preparations of the EU' in the latest version.

- R22 Harmful if swallowed.
R31 Contact with acids liberates toxic gas.
R36/37 Irritating to eyes and respiratory system.
R50/53 Very toxic to aquatic organism may cause long term effects in the aquatic environment.

3. Composition/information on ingredients

- **Chemical characterization:**

Description	Cas No	EINECS No	%	Hazards
Trichloroisocyanuric acid	87-90-1	201-782-8	50 - 100	Xn; Xi; O; N
Copper Sulphate	7758-98-7	231-847-6	≤ 2.5	Xn; Xi; N

4. First Aid measures

- **General Information**

Symptoms of poisoning may occur after several hours; therefore medical observation for at least 48 hours after the accident.

- **After inhalation:**

Supply fresh air; consult a doctor if symptoms persist

- **After skin contact:**

Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists after washing

- **After eye contact:**

Rinse the eye with water immediately. Continue to rinse for at least 15 minutes. Contact physician if irritation persists

- **After Ingestion:**

DO NOT INDUCE VOMITING. Rinse mouth thoroughly with water and give large amounts of milk or water to people not unconscious

5. Fire fighting measures

- **Special extinguishing media:**

CO₂, powder or water spray. Fight larger fires with alcohol resistant foam.

- **Special protective equipment:**

Fire fighters should wear full protective clothing and self-contained breathing apparatus (SCBA). Thoroughly decontaminate fire-fighting equipment including all fire fighting wearing apparel after the incident.

6. Accidental release Measures

- **Personal Protection**

Use appropriate personal protective equipment as detailed in section 8. In case of leak or spill evacuate area.

- **Environmental Protection**

Do not allow the product to reach sewage, water course or ground water. Inform respective authorities in case of seepage.

- **Methods for cleaning**

Dispose of contaminated material as waste according to item 13. Ensure adequate ventilation.

7. Handling and storage

- **Information for safe Handling**

See section 8

- **Information about fire and explosion protection**

No special measures required

- **Requirements to be met by storerooms and receptacles**

No special measures required

- **Information about storage in one common storage facility**

Do not store together with acids

- **Further information about storage conditions**

Keep this product in original, closed container when not in use. Store in a cool, dry, well-ventilated area.

8. Exposure control/personal protection

- **Additional Information about design of technical facilities**

No further data; see item 7

- **Ingredients with limit values that require monitoring in the workplace.**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

- **General protective and hygienic measures**

Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before break and at the end of work. Avoid contact with the eyes and skin.

- **Respiratory Protection**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self contained respiratory protective device.

- **Hand Protection**

The glove material has to be impermeable and resistant to the product/preparation. Due to missing tests no recommendation to the glove material can be given.

- **Eye Protection**

Tightly sealed goggles

- **Skin Protection**

Wear appropriate clothing to prevent repeated or prolonged skin contact

Trade Name: 200g Multifunctional Chlorine Tablets

9. Physical and chemical properties

• Appearance at 20oC	Solid White Tablet
• Odour	Characteristic
• Melting point / range:	225°C - 240°C
• Boiling point / range:	Not determined
• Self Igniting:	Product is not self igniting
• Danger of explosion	Product does not present an explosion hazard
• Density	Not determined
• Solubility in water	12 g/l @ 25°C
• pH (conc)	2.0 - 2.7 @20oC
• Organic Solvents	0.00%
• Solids content	100.00%

10. Stability and reactivity

• Thermal decomposition/ conditions to avoid

No decomposition if used according to specifications

• Materials to avoid

Acids, strong bases, oxidising agents and humidity

• Dangerous reactions

No dangerous reactions known. Reacts with acids under the formation of chlorine

• Hazardous decomposition products

Chlorine

11. Toxicological Information

• Acute Toxicity

Trichloroisocyanuric acid	87-90-1	Oral LD50	406 mg/kg (rat)
Copper Sulphate	7758-98-7	Oral LD50	300 mg/kg (rat)

• Primary Irritant effect

on the skin: No irritant effect

on the eye: Irritant effect

• Sensitization

No sensitizing effects known

• Additional toxicological Information

The product shows the following dangers accord to the calculation method of the General EU Classification Guidelines for preparations as issued in the latest version:

Harmful

Irritant

12. Ecological Information

- **Remark**

Very Toxic for fish

- **General Notes**

Water hazard class 2 (German Regulation) (self-assessment): hazardous for water:

Do not allow product to reach ground water, water course or sewage system. Danger to drinking water if even small amounts leak into the ground. Also poisonous for fish and plankton in water bodies. Very toxic for aquatic organisms.

13. Disposal Considerations

- **Product**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

- **Container**

Dispose of in accordance with Local Authority requirements.

- **Recommended cleansing agents**

Water if necessary together with cleansing agents

14. Transport Information

- **Land Transport ADR/RID (cross border)**

- **ADR/RID class** 5.1 Oxidising substances
- **Danger code (Kemler)** 50
- **U N No** UN2468
- **Packing group** II
- **Hazard label** 5.1
- **Proper shipping name** 2468 TRICHLOROISOCYANURIC ACID, DRY



- **Maritime Transport IMDG**

- **IMDG class** 5.1
- **U N No** UN2468
- **Hazard label** 5.1
- **Packing group** II
- **EMS Number** F-A, S-Q
- **Marine Pollutant** No
- **Proper shipping name** TRICHLOROISOCYANURIC ACID, DRY



- **Air Transport ICAO-TI and IATA-DGR**

- **ICAO/IATA class** 5.1
- **U N No** UN2468
- **Hazard label** 5.1
- **Packing group** II
- **Proper shipping name** TRICHLOROISOCYANURIC ACID, DRY



15. Regulatory information

- **Labelling according to EU guidelines**

The product has been classified and marked in accordance with EU Directives/ Ordinance on Hazardous Materials.

- **Product Name**

Multifunctional Chlorine Tablets

- **Code letter and hazard designation of product**



Harmful

Dangerous for the environment

- **Risk phrases**

R22 Harmful if swallowed.

R36/37 Irritating to eyes and respiratory system.

R50/53 Very toxic to aquatic organism may cause long-term effects in the environment

- **Safety phrases**

S2 Keep out of reach of children

S7/8 Keep container tightly closed and dry

S23 Do not breathe gas/fumes

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Do not empty into drains, dispose of this material and its container at hazardous or special waste collect point.

S46 In swallowed, seek medical advice immediately (show the label where possible).

S64 In swallowed, rinse mouth with water (only if the person is conscious)

16. Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant R phrases**

R8 Contact with combustible material may cause fire

R18 In use, may form flammable/explosive vapour-air mixture

R22 Harmful if swallowed

R31 Contact with acids liberates toxic gas

R36/37 Irritating to eyes and respiratory system

R36/38 Irritating to eyes and skin

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

