

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

**1.1 Product Identifier** Ultimate Boost Tablets

**1.2 Relevant Identified uses of the substance or mixture and uses advised against**

Uses: For disinfection of pool and spa water.

**1.3 Details of the supplier of the safety data sheet**

Company: Complete Pool Controls Ltd  
Unit 2, The Park  
Stoke Orchard  
Bishops Cleeve  
Gloucestershire  
GL52 7RS

Telephone: +44 (0) 8712 229081

Fax: +44 (0) 8712 229083

E-mail: [sales@cpc-chemicals.co.uk](mailto:sales@cpc-chemicals.co.uk)

**1.4 Emergency Telephone**

Tel: +44 (0) 8712 229081 (office hours) +44 (0) 1242 300271 ( outside of office hours)

## 2. Hazard Identification

**2.1 Classification of the substance or mixture**

**Classification according to Regulation (EC) No 1272/2008**

Hazard Class	Hazard Statements
Ox. Sol. 2	H272
Acute Tox. 4 *	H302
Eye Irrit. 2	H319
STOT SE 3	H335
Aquatic Acute 1	H410
Aquatic Chronic 1	

For the full text of the H statements mentioned in this section see Section 16.

**Most important adverse effects**

Human Health: See section 11 for toxicological information.

Physical & Chemical Hazards: See section 9 for toxicological information.

Potential environmental effects: See section 12 for toxicological information.

**2.2 Label elements**

**Labelling according to Regulation (EC) No 1272/2008**

Hazard pictograms:	GHS03: Oxidising
	GHS07: Warning
	GHS09: Environmental

Hazard symbols:



Signal word: Danger

Hazard statements:	H272	May intensify fire; oxidiser.
	H302	Harmful if swallowed.
	H319	Causes serious eye irritation.
	H335	May cause respiratory irritation.
	H410	Very toxic to aquatic life with long lasting effects.
	EUH031	Contact with acids liberates toxic gas.

**Trade Name:** Ultimate Boost Tablets

## 2. Hazard Identification

Precautionary statements:

P102 Keep out of reach of children  
P402 Store in a dry place.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

### Hazardous components which must be listed on the label

Trichloroisocyanuric Acid

## 2.3 Other Hazards

No other information is available.

## 3. Composition/information on ingredients

### 3.2 Mixture

Chemical nature: Solid

trichloroisocyanuric acid

Index-No.	CAS-No.	EC-No.	%	
613-031-00-5	87-90-1	201-782-8	50 - 100	H272;H302;H319;H335;H400;H410:
sodium carbonate				
-	497-19-8	207-838-8	25 - 50	H319

## 4. First Aid measures

### 4.1 Description of first aid measures

General Information Take off all contaminated clothing immediately.

After inhalation Move to fresh air. Remove contaminated clothing and loosen remaining clothing. Keep at rest until fully recovered. If breathing is laboured and patient cyanotic (blue), ensure airways are clear and have qualified person give oxygen through a facemask. If breathing has stopped apply artificial respiration at once. In event of cardiac arrest, apply external cardiac massage. Seek medical advice. In severe cases pulmonary oedema can be delayed by up to 48 hours.

After contact with skin Drench the skin with plenty of water. Remove contaminated clothing and wash before reuse. If large areas of the skin is damaged or if irritation persists seek medical attention

After contact with eyes Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Consult an eye specialist immediately. Go to an ophthalmic hospital if necessary.

After ingestion Rinse out mouth and give plenty of water to drink.  
Never give anything by mouth to an unconscious person. Do not induce vomiting.  
Call a physician immediately.

### 4.2 Most important symptoms and effects, both acute and delayed

Symptoms & effects: No further information available.

### 4.3 Indication of immediate medical attention and special treatment needed

Treatment Treat Symptomatically.

**Trade Name:** Ultimate Boost Tablets

## 5. Fire fighting measures

### 5.1 Extinguishing media:

Suitable media: Water (plenty) or CO<sub>2</sub> for escape purposes only.  
Unsuitable media: DO NOT USE ammonium compounds as Nitrogen Trioxide will be formed.  
(explosive and toxic)

### 5.2 Special hazards arising from the substance or mixture

Specific Hazards : Non-flammable but thermally decomposes at above 225 oC. Decomposition liberates chlorine, Hypochlorous acid, Cyanuric acid. Nitrogen trichloride can be generated slowly by the reaction of small quantities of water with a high concentration of this product.

### 5.3 Advice for fire-fighters

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.

Further Information: Collect contaminated fire extinguishing water separately.

## 6. Accidental release Measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Personal Precautions: Use personal protective equipment. Provide adequate ventilation.

### 6.2 Environmental precautions

Environmental precautions: Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration  
If the product contaminates rivers and lakes or drains inform respective authorities  
Local authorities should be advised if significant spillages cannot be contained

### 6.3 Methods and materials for containment and cleaning up

Cleaning Up Sweep up, avoiding generation of dust, then immediately spread as a thin layer in an uncontaminated, dry open area, to avoid the possibility of hot spots forming. DO NOT store or transport swept up material. DO NOT return spilled material to original container. Do not add small amount of water to material. Where a spill has occurred in a confined space or an unventilated building and the material is damp and evolving chlorine, the rate of chlorine evolution can be reduced by covering the thinly spread solid with soda ash. For large spills notify Emergency Services.

6.4 Reference to other sections For personal protection see section 8

## 7. Handling and storage

### 7.1 Precautions for safe handling

Advice on safe handling: Strong oxidising agent. DO NOT MIX WITH OTHER CHEMICALS. Mix only with water. Never add water to product. Always add product to water. Use clean dry dispensing equipment. Avoid contact with skin and eyes.

### 7.2 Conditions for safe storage, including any incompatibilities.

Storage: **Store in a cool, dry, well-ventilated area.**  
Containers: Keep this product in original, sealed container when not in use.  
Protection against fire: Normal measures for preventive fire protection  
Further Information: Keep away from children  
Common Storage: Keep away from food, drink and animal feeding stuffs. Keep away from combustible material

### 7.3 Specific end uses

Specific use(s) No information is available.

**8. Exposure control/personal protection****8.1 Control parameters**

Regulatory List:	Value:	Remarks:
LTEL (8 hour TWA)	10 mg/m <sup>3</sup>	Total inhalable dust
LTEL (8 hour TWA)	4 mg/m <sup>3</sup>	Respirable dust

**8.2 Exposure controls**

**Engineering measures** Fume cupboard required when vapours/aerosol are generated.

**Personal protective equipment**

Respiratory protection Use respiratory protection for chlorine and dust inhalation protection.

Hand protection Impermeable gloves. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and standard EN 374.  
Due to missing tests no recommendation to the glove material can be given.

Eye protection Tightly fitting safety goggles. Ensure eye bath is to hand.

Skin and body protection Impermeable protective clothing.

**Environmental exposure controls**

General advice: General room ventilation plus local exhaust should be used to maintain exposure below TLV. Eyewash and emergency shower facilities recommended. Remove and wash contaminated clothing before reuse.  
Local authorities should be advised if significant spillages cannot be contained

**9. Physical and chemical properties****9.1 Information on basic physical and chemical properties**

Form:	Tablets
Colour:	Whitish
Odour:	Characteristic chlorine
pH @ 20°C:	2.7 – 3.3 (1% aqueous solution 25°C )
Melting Point	225°C
Density @ 20°C:	0.95 gm/cm <sup>3</sup>
Water solubility:	12 g/ 25 °C
Explosive properties:	Product is not explosive.

**9.2 Other Information**

Decomposition temperature: 170 - 180°C

**10. Stability and reactivity****10.1 Reactivity**

Reactivity No data available

**10.2 Chemical stability**

Chemical stability No decomposition if used according to specifications.

**10.3 Possibility of hazardous reactions**

Hazardous reactions: Gives off hydrogen by reaction with metals. Reacts exothermic with water.

**10.4 Conditions to avoid**

Conditions to avoid High temperature. Poor ventilation. Contamination. Moisture/high humidity.

**10. Stability and reactivity****10.5 Incompatible materials**

Materials to avoid

Avoid contact with water on concentrated material in the container. Avoid contact with easily oxidisable material such as organic compounds,

**10.6 Hazardous decomposition products**

Hazardous decomposition products: No dangerous decomposition products known.

**11. Toxicological Information****11.1 Information on toxicological effects****Acute Toxicity**

trichloroisocyanuric acid 87-90-1

	Value type	Value		Species
Oral:	LD50	406	mg/kg	Rat

**Primary Irritant effect**

On the skin: No irritating effect

On the eye: Irritating effect

**Carcinogenic**

There is no evidence that this substance has any carcinogenic properties.

**Mutagenic**

There is no evidence that this substance is mutagenic

**Sensitization:**

No sensitizing effects known

**Other relevant toxicity information:**

Swallowing can result in nausea, vomiting, diarrhoea, abdominal pain, convulsions and chemical burns.

**12. Ecological Information****12.1 Toxicity**

Toxicity

This product is toxic to fish and aquatic organisms.

**DO NOT** discharge effluent containing this product into lakes, streams, ponds or estuaries, oceans or their waters unless in accordance with the applicable regulatory requirements.**DO NOT** discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority.**12.2 Persistence and degradability**

Persistence and degradability: Neutralised slowly by natural alkalinity.

**12.3 Bioaccumulative potential**

Bioaccumulative potential: No data available

**12.4 Mobility in soil**

Mobility:

Soluble in water, predicted to have high mobility in soil.

**12.5 Results of PBT and PvB assessment****PBT identification:**

No data available

**12.6 Other adverse effects**

Other adverse effects

Harmful effects to aquatic organisms due to pH shift

Neutralization is normally necessary before being discharged into water treatment plants.

**13. Disposal Considerations****13.1 Waste treatment methods**

- Disposal should be in accordance with local, state or national legislation
- Do not reuse empty containers without commercial cleaning or reconditioning
- Do not discharge into drains or the environment, dispose to an authorised waste collection point

**Classification**

Waste Codes in accordance with the European Waste catalogue (EWC) are origin-defined. Since this product is used in several industries, no Waste Code can be provided by the supplier. The Waste Code should be determined in arrangement with your waste disposal partner or the responsible authority

**14. Transport Information**

<b>14.1 UN Number</b>	UN2468
<b>14.2 UN proper shipping name</b>	TRICHLOROISOCYANURIC ACID, DRY
<b>14.3 Transport hazard class(es)</b>	
ADR Class (Label, classification code; Hazard ID; Tunnel Restriction code)	5.1 5.1; E2; 50; (E)
RID Class (Label, Classification Code; Hazard ID; )	5.1 5.1; F-A, S-Q; 50
IMDG Class (Labels; EmS)	5.1 5.1; E2; 50;
<b>14.4 Packaging Group</b>	II
<b>14.5 Environmental hazards</b>	
Labelling according to 5.2.1.8 ADR:	No
Labelling according to 5.2.1.8 RID:	No
Labelling according to 5.2.1.8 IMDG:	No
Classification as environmentally hazardous according to 2.9.3 IMDG:	no
Classified as 'P' according to 2.10 IMDG:	no
<b>14.6 Special precautions for user</b>	Not applicable
<b>14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	
IMDG:	

**15. Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for this substance or mixture.**

Regulatory List	Notification	Notification No
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**15.2 Chemical Safety Assessment**

No details available

**16. Other information**

- Full text of H-statements referred to under sections 2 and 3
- H272 May intensify fire; oxidiser.
- H302 Harmful if swallowed.
- H319 Causes serious eye irritation.
- H335 May cause respiratory irritation.
- H410 Very toxic to aquatic life with long lasting effects.
- EUH031 Contact with acids liberates toxic gas.

**Further information**

Restricted to professional users. Attention - Avoid exposure- obtain special instructions before use

This information is believed to be accurate and represents the best information currently available to us. However, we make no warranty or merchantability, or fitness for any particular use, or any other warranty, express or implied, with respect to this information, and we assume no liability resulting from use of this information. Users should make their own investigations to determine the suitability of the information for their particular needs and uses.

**Rev 3**

Indicates updated section.