

Holiday Pill

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

1.1 Product Identifier Holiday Pill / multifunctional block

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

1.4 Emergency Telephone

Tel: +44 (0) 8712 229081 (office hours) +44 (0) 3712 229084 (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 physicochemical information
Potential environmental effects:	See section 12 for environmental information

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

Hazard symbols: 

Signal word: Warning

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

Precautionary statements:	P102:	Keep out of reach of children
	P210:	Keep away from heat/sparks/open flames/hot surfaces – No smoking
	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.
	P501	Dispose of contents/container in accordance with national regulations.

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

3.1 Mixture

Chemical nature:	Solid				
Chemical Name	CAS-No.	EC-No.	CLP Classification	%	Index-No.
trichloroisocyanuric acid	87-90-1	201-782-8	H272;H302;H319;H335;H400;H410	50 - 100%	613-031-00-5
Copper sulphate	7758-98-7	10043-35-3	H302; H315; H319; H410	2.50%	

4. First Aid measures

4.1 Description of first aid measures

Remove contaminated clothing immediately and dispose of safely. Wash body carefully (bath or shower).

After inhalation

Move to fresh air in case of accidental inhalation of vapours.

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. In severe cases pulmonary oedema can be delayed by up to 48 hours. Seek medical treatment immediately.

After contact with skin

Drench the skin with plenty of water. 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. Seek medical treatment 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.

5. Fire fighting measures

5.1 Extinguishing media:

Suitable media: Water (plenty) or CO2 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 °C. 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. Nitrogen trichloride can present as an explosion hazard.

5.3 Advice for fire-fighters

PPE

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.
For personal protection see section 8.

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. Gradually hose to drain ensuring large dilution. 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.

Hygiene measures: Keep away from food, drink and animal feeding stuffs. Smoking, eating and drinking should be prohibited in the application area. Wash hands before breaks and at the end of the work day. Take off all contaminated clothing immediately. Provide adequate ventilation. Avoid contact with the skin and eyes.

7.2 Conditions for safe storage, including any incompatibilities.

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

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 Basis: EU. Indicative Exposure and Directives relating to the protection of risks related to work exposure to chemical, physical, and biological agents.

Regulatory List:	Total inhalable dust	Respirable dust
LTEL (8 hour TWA)	10 mg/m ³	4 mg/m ³

8.2 Exposure controls

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

8. Exposure control/personal protection**8.2 Exposure controls****Personal protective equipment**

Respiratory protection	Use respiratory protection for chlorine and dust inhalation protection.
Hand protection	Chemical-resistant gloves (EN 374) The glove material has to be impermeable to the product/the substance/preparation. Follow the recommendations of the glove manufacturer for breakthrough properties especially Protective gloves should be replaced at first sign of wear. Due to missing tests no recommendation to the glove material can be given.
Eye protection	Tightly fitting safety goggles.
Skin and body protection	Plastic apron, sleeves, boots-if handling large quantities

Environmental exposure controls

General advice:	General room ventilation plus local exhaust should be used to maintain exposure below TLV. Local authorities should be advised if significant spillages cannot be contained
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9. Physical and chemical properties**9.1 Information on basic physical and chemical properties**

Appearance	Tablets
Colour:	Whitish
Odour:	Characteristic chlorine
pH @ 20°C:	2.0 - 2.7

Changes in the physical state

Melting Point	225-240°C .
Flash point:	No data available
Lower explosion limit:	No data available
Upper explosion limit:	No data available
Ignition temperature:	No data available
Density @ 20°C:	ca. 2.5 g/cm ³
Water solubility:	Fully miscible

9.2 Other Information

Decomposition temperature:	170 - 180°C
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10. Stability and reactivity**10.1 Reactivity**

Reactivity	No data available
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10.2 Chemical stability

Chemical stability	No data available
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10.3 Possibility of hazardous reactions

Hazardous reactions:	Gives off hydrogen by reaction with metals. Reacts exothermic with water.
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10.4 Conditions to avoid

Conditions to avoid	High temperature. Poor ventilation. Contamination. Moisture/high humidity.
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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, reducing agents, Nitrogen containing
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10.6 Hazardous decomposition products

Haz. Decomp. products:	Chlorine containing gases can be produced. Gradually forms Nitrogen Trichloride in damp, moist conditions. (Explosive gas)
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11. Toxicological Information**11.1 Information on toxicological effects**

Harmful if swallowed.

Irritating to eyes and respiratory system

trichloroisocyanuric acid				87-90-1
Acute oral toxicity	LD50	406	mg/kg	Rat
Copper Sulphate				7758-98-7
Acute inhalation toxicity	LC50	300	mg/kg	Rat

Primary Irritant effect

On the skin: Causes severe skin burns

On the eye: Irritating effect

Carceogenic There is no evidence that this substance has any carcinogenic properties.**Sensitization:** No sensitizing effects known**12. Ecological Information****12.1 Toxicity**

Toxicity

This product is toxic to fish and aquatic organisms.

Salts, acids and bases are typically diluted and neutralised when released to the environment in small doses.

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

12.5 Results of PBT and PvB assessment

PBT and PvB assessment No data available

12.6 Other adverse effects

Remarks: Harmful effects to aquatic organisms due to pH shift

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

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

Should not be disposed of with household waste. Remove in accordance with local official regulations.

Do not let product enter drains. Contact waste disposal services.

Contaminated packaging:

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.

Packaging that cannot be cleaned should be disposed of like the product.

European Waste Catalogue No:

The waste code is established in consultation with the regional waste disposer.

14. Transport Information

14.1 UN Number UN2468

14.2 UN proper shipping name

ADR: 1479 OXIDIZING SOLID, N.O.S. (TRICHLOROISOCYANURIC ACID), ENVIRONMENTALLY
IMDG: OXIDIZING SOLID, N.O.S. (TRICHLOROISOCYANURIC ACID), MARINE POLLUTANT
IATA: OXIDIZING SOLID, N.O.S. (TRICHLOROISOCYANURIC ACID)

14.3 Transport hazard class(es)

ADR / IMDG



Class: 5.1 Oxidising substances.
Label: 5.1

IATA:



Class: 5.1 Oxidising substances.
Label: 5.1

14.4 Packaging Group

ADR / IMDG / IATA III

14.5 Environmental hazards

Marine pollutant: Yes Yes
 Symbol (fish and tree)
Special marking (ADR): Symbol (fish and tree)

14.6 Special precautions for user

Special precautions: Warning: Oxidising substances.
Danger code (Kemler): 50
EMS Number: F-A,S-Q
Stowage Category B
Segregation Code SG38 Stow "separated from" ammonium compounds.
 SG49 Stow "separated from" cyanides
 SG60 Stow "separated from" peroxides
 SG61 Stow "separated from" powdered metals

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable

Transport/Additional information:

ADR

Excepted quantities (EQ): E1
Limited quantities (LQ) 5 kg
Excepted quantities (EQ) Code: E1
 Maximum net quantity per inner packaging: 30 g
 Maximum net quantity per outer packaging: 1000 g
Transport category 3
Tunnel restriction code E

IMDG

Limited quantities (LQ) 5 kg
Excepted quantities (EQ) Code: E1
 Maximum net quantity per inner packaging: 30 g
 Maximum net quantity per outer packaging: 1000 g

UN "Model Regulation": UN1479 OXIDIZING SOLID, N.O.S. (TRICHLOROISOCYANURIC ACID), 5.1, III,

Trade Name: Holiday Pill

15. Regulatory information

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

Regulatory List Notification Notification No

15.2 Chemical Safety Assessment

Currently we do not have any information from our supplier about this.

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.
H400	Very toxic to aquatic life.
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.

█ Indicates updated section.