

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

**1.1 Product Identifier** All Swim Quickshock

**Other Names** Quick Dissolving Calcium Hypochlorite / Rapid Shock

**Index No:** 17-012-00-7

**CAS No:** 7778-54-3

**EC No:** 231-908-7

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

Uses: Pool and spa shock/water sanitiser.

Restrictions: At this time we do not have information on use restrictions

**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)

## 2. Hazard Identification

**2.1 Classification of the substance or mixture**

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

Hazard Class	Hazard Category	Target Organs	Hazard Statements
Ox Sol	Category 2		H272
Acute Tox	Category 4		H302
Skin Corr	Category 1B		H314
Aquatic Acute	Category 1		H400

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

**Classification according to EU Directives 67/548/EEC or 1999/45/EC**

Hazard Symbol/Category of danger	Risk phrases
Oxidising	R8
Corrosive	R22
Harmful	R31
	R34
	R50

For the full text of the R phrases 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. Hazard Identification

## 2.2 Label elements

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

Hazard symbols:



Signal word: Danger

Hazard statements:	H272	May intensify fire; oxidiser
	H302	Harmful if swallowed.
	H314	Causes severe skin burns and eye damage
	H400	Very toxic to aquatic life

Precautionary statements:

Prevention: P280: Wear protective gloves/protective clothing/eye protection/face protection

Reponse:

P101	If medical advice is needed, have product or label to hand.
P102	Keep out of reach of children
P103	read label before use
P273	Avoid release to the environment

P303+361+353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water

P305+351+338: IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing

P401 Store in accordance with local/national/ international regulations

P501 Dispose of contents / container in accordance with local/national/international regulations

## Hazardous components which must be listed on the label

2.3 Other Hazards No other information is available

## 3. Composition/information on ingredients

## 3.1 Substances

Chemical nature: Granules

Chemical Name	Identification Numbers	Amount %
Calcium Hypochlorite	<b>Index No: CAS No: EC No:</b> 017-012-00-7 7778-54-3 231-908-7	

## 4. First Aid measures

## 4.1 Description of first aid measures

General Advice: Take off all contaminated clothing immediately.

If Inhaled: In case of accident by inhalation; remove casualty to fresh air and keep at rest. If breathing is irregular or stopped, administer artificial respiration.

In case of skin contact: Wash off immediately with plenty of soap &amp; water. If irritation appears seek medical advice

**4. First Aid measures**

In case of eye contact: Rinse immediately with plenty of water, also under eyelids for at least 15 minutes. Remove contact lenses.

If swallowed: Clean mouth with water and drink plenty of water. Never give anything by mouth to an unconscious person. If swallowed, do not induce vomiting - seek medical advice. If a person vomits when lying on his back place him in the recovery position.

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

Symptoms: No further information available  
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 extinguishing media: CO2, powder or water spray. Fight larger fires with water spray.  
Unsuitable extinguishing media: Fire extinguishing powder

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

Specific Hazards during fire: During heating or in case of fire poisonous gases are produced.  
Hydrogen chloride (HCl)  
Carbon monoxide (CO)

**5.3 Advice for firefighters**

Special protective equipment: In the event of fire, wear self-contained breathing apparatus. Wear appropriate body protection (full protective suit).  
Further Information: Do not inhale explosion gases or combustion gases

**6. Accidental release Measures**

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

Personal Precautions: Use personal protective equipment. Keep people away from and upwind of spill. Provide adequate ventilation. Avoid contact with skin and eyes. Do not breathe vapours. 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

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

Methods and materials for containment and cleaning up: Use neutralizing agent. Ensure adequate ventilation.  
Further Information: Dispose of contaminated material as waste according to item 13.

**6.4 Reference to other sections**

See Section 7 for information on safe handling  
See Section 8 for information on personal protection equipment  
See Section 13 for disposal information

**7. Handling and storage****7.1 Precautions for safe handling**

Advice on safe handling: Ensure adequate ventilation. Use personal protective equipment. Avoid contact with skin and eyes. Emergency eye wash fountains and emergency showers should be available in the immediate vicinity. **DO NOT MIX** with other products in their concentrated form.

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.**

Requirements for storage areas and containers: Prevent any seepage into the ground

Advice on protection against fire and explosion: No special measures required

Further information: Store in cool, dry conditions in well sealed receptacles

Advice on common storage: Store away from flammable substances. Store away from reducing agents. Do not store together with acids.

Storage Temperature: Do not store product where the average daily temperature exceeds 35°C. Storage above this temperature may result in rapid decomposition, evolution of chlorine gas and heat sufficient to ignite combustible products.

**7.3 Specific end uses**

Specific use(s) No information available

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

<b>Component:</b>	QD Calcium Hypochlorite	<b>CAS No:</b>	7778-54-3
Regulatory Basis:	UK. EH40 Workplace Exposure Limits (WELS)		
Regulatory List:	EH40 WEL		
Value type:	Short Term Exposure Limit (STEL)		
Value:	2 mg/m <sup>3</sup>		

**8.2 Exposure controls**

**Engineering measures** Refer to protective measures listed in sections 7 and 8

**Personal protective equipment**

Respiratory protection Advice: Use suitable respiratory protective device only when aerosol or mist is formed or when high concentrations are present.  
Filter P2

Hand protection

Advice: The glove material has to be impermeable to the product/the substance/preparation. Protective gloves should be replaced at first sign of wear.

Material of gloves

Advice: Chloroprene rubber, CR

Eye protection Advice: Tightly fitting safety goggles

Skin and body protection

Advice: Protective work clothing

**Environmental exposure controls**

General advice: Do not flush into surface water or sanitary sewer systems

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

Form:	Granular
Colour:	White
Odour:	Chlorinous
Odour Threshold:	Currently we do not have any information from our supplier about this.
pH @ 20°C:	Alkaline
Solidification point	Currently we do not have any information from our supplier about this.
Melting Point	Currently we do not have any information from our supplier about this.
Boiling point:	Currently we do not have any information from our supplier about this.
Flash point:	not applicable
Evaporation rate:	Currently we do not have any information from our supplier about this.
Flammability (solid, gas)	does not ignite
Upper explosion limit:	not applicable
Lower explosion limit:	not applicable
Vapour pressure:	Currently we do not have any information from our supplier about this.
Relative vapour density:	Currently we do not have any information from our supplier about this.
Density @ 20°C:	Currently we do not have any information from our supplier about this.
Water solubility:	217 g/l @ 27°C
Partition coefficient:n-octanol/water:	Currently we do not have any information from our supplier about this.
Ignition temperature:	Currently we do not have any information from our supplier about this.
Thermal decomposition:	180°C
Viscosity, kinematic:	Currently we do not have any information from our supplier about this.
Explosive properties:	Currently we do not have any information from our supplier about this.
Oxidising properties:	Currently we do not have any information from our supplier about this.

**9.2 Other Information**

No further information available

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

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

**10.2 Chemical stability**

Advice: Decomposes on heating (180°C)

**10.3 Possibility of hazardous reactions**

Hazardous reactions: No dangerous reactions known

**10.4 Conditions to avoid**

Conditions to avoid Contact with combustible material may cause fire.

**10.5 Incompatible materials**Materials to avoid Acids, Ammonia, reducing agents, organic materials  
Finely powdered metals  
Strong oxidising agents**10.6 Hazardous decomposition products**

Oxygen and chlorine

## 11. Toxicological Information

## 11.1 Information on toxicological effects

Product: QD Calcium Hypochlorite

CAS No: 778-54-3

Irritation  
SkinValue type LC50  
Value >1,000 mg/kg  
Species Rabbit

## Inhalation

Value type LC50  
Value >3.5 mg/l  
Time 1 hour  
Species rat

## Primary Irritant effect:

On the skin: Caustic effect on skin and mucous membranes  
On the eyes: Strong caustic effect

Sensitization: No sensitizing effects known

Inhalation: Inhaled corrosive substances can lead to a toxic oedema of the lungs (Symptoms may be delayed)

## Further information

Other relevant toxicity: Avoid repeated exposure

## 12. Ecological Information

## 12.1 Toxicity

## Toxicity to Fish

LC50	96 hrs	0.088 mg/l	Bluegill sunfish (96hr)
LC50	96 hrs	0.16 mg/l	Rainbow Trout

Remarks: Very toxic for fish

## Toxicity to daphnia and other aquatic invertebrates

LC50	48 hrs	01.11 mg/l	Daphnia Magna
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Remarks: Toxic

LC/LD50		3,474 mg/kg	Bobwhite quail
	dietary	5,000ppm	Bobwhite quail
	dietary	>5,000	Mallard duck

## 12.2 Persistence and degradability

Persistence Remarks: no data available

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

## 12.3 Bioaccumulative potential

Remarks: Bioaccumulation is not expected

## 12.4 Mobility in soil

Remarks: Not expected to absorb on soil

## 12.5 Results of PBT and PvB

Remarks: Not classified vPvB substance: Non-classified PBT substance

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**Trade Name:** All Swim Quickshock

## 12. Ecological Information

### 12.6 Other adverse effects

#### Additional ecological information

Remarks: Do not flush into surface water or sanitary water system

## 13. Disposal Considerations

### 13.1 Waste treatment methods

Product: Disposal together with normal waste is not allowed. Special disposal required according to local regulations. Do not let product enter drains. Contact waste

Contaminated packaging: Empty contaminated packaging's thoroughly. They can be recycled after thorough and proper cleaning. Packagings that cannot be cleaned are to be disposed of in the same manner as the product.

European Waste Catalogue No: No waste code according to the European Waste Catalogue can be assigned for this product, as the intended use dictates the assignment. The waste code is established in consultation with the regional waste disposer.

## 14. Transport Information

**14.1 UN Number** 2880

### 14.2 UN proper shipping name

ADR: CALCIUM HYPOCHLORITE MIXTURE DRY  
IMDG: CALCIUM HYPOCHLORITE MIXTURE DRY  
ICAO: CALCIUM HYPOCHLORITE MIXTURE DRY



### 14.3 Transport hazard class(es)

ADR Class 5.1  
(Label, classification code; Hazard ID; Tunnel 5.1:O2:50; (E)

IMDG: 5.1  
(Label, Classification Code; Hazard ID; ) 5.1: F-H,S-Q



ICAO: 5.1  
(Labels; EmS) 5.1: F-A,S-B

### 14.4 Packaging Group

ADR: II  
RID: II  
IMDG: II

### 14.5 Environmental hazards

Labelling according to 5.2.1.8 ADR: yes  
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

### 14.6 Special precautions for user

Note: Not applicable

### 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

IMDG: Not applicable

**15. Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for this substance or mixture.****15.2 Chemical Safety Assessment**

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

**16. Other information**

Full text of R-phrases referred to under sections 2 and 3

R 8 Contact with combustible material may cause fire.  
R 22 Harmful if swallowed.  
R 31 Contact with acids liberates toxic gas.  
R 34 Causes burns.  
R 50 Very toxic to aquatic organisms

Full text of H-statements referred to under sections 2 and 3

H272 May intensify fire; oxidiser  
H302 Harmful if swallowed.  
H314 Causes severe skin burns and eye damage  
H400 Very toxic to aquatic life

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.

**• Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations concerning the International Carriage of Dangerous Goods by Road)  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
IATA-DGR: Dangerous goods Regulations by the 'International Air Transport Association' (IATA)  
ICAO: International Civil Aviation Organization  
GHS: Globally Harmonized System of Classification and Labelling of Chemicals  
EINECS: European Inventory of Existing Commercial Chemical Substances.  
CAS: Chemicals Abstracts Service (division of the American Chemical Society)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent

<b>Revision</b>	<b>Date</b>	<b>By</b>	<b>Amendment</b>
1	19/02/2007	Linda Brueford	Created
2	21/11/2008	Linda Brueford	Sections 2 & 3 swapped round to comply with REACH,
3	29/06/2011	Linda Brueford	GHS label elements added, updated to European requirements and other minor editorial amendments