

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

**1.1 Product Identifier** Dry Algaecide

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

Uses: Algae Prevention in pool water

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)

+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**

Acute Toxicity 4

Eye Dam 1

Aquatic Acute 1

Aquatic Chronic 1

**Hazard Statements**

H302

H318

H400

H410

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**

Harmful (Xn)

Irritant (Xi)

Dangerous for the Environment (N)

**Risk phrases**

R22

R36/38

R50/53

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

**2.2 Label elements**

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

Hazard symbols:



Signal word:

Warning

Hazard statements:

H302

Harmful if swallowed

H318

Causes serious eye damage

H400

Very toxic to aquatic life

H410

Very toxic to aquatic life with long lasting effects

(continued on Page 2)

**2. Hazard Identification****2.2 Label elements****Labelling according to Regulation (EC) No 1272/2008**

Precautionary statements:

Prevention: P102: Keep out of reach of children  
 P264: Wash thoroughly after handling  
 P280: Wear protective gloves/protective clothing/eye protection/face protection

Response: P101 If medical advice is needed, have product or label to hand.  
 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. Use biocides safely. Always read the label before use.

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

Copper Sulphate  
 E.T.D.A

**2.3 Other Hazards** No other information is available

**3. Composition/information on ingredients****3.1 Substances**

Chemical nature: Powder

Chemical Name	CAS No:	Index No	E C No
Copper Sulphate	7758-98-7	029-004-00-0	231-847-6
E.D.T.A.	60-00-4	607-429-00-8	200-449-4
Aluminium Sulphate	10043-01-03		
Sodium Bisulphate	7681-38-1	016-046-00-X	231-665-7

**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. Consult a doctor.

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

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

If swallowed: Clean mouth with water and drink plenty of water. DO NOT INDUCE VOMITING. Consult a doctor.

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

Skin contact This product can cause irritation of the skin with pain, itching and redness. Severe overexposure can cause skin burns. Prolonged exposure may cause dermatitis and eczema

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#### 4. First Aid measures

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

Eye Contact	Exposure to particulates or solution of this product may cause redness and pain. Prolonged contact may cause conjunctivitis, ulceration and corneal abnormalities
Ingestion	Harmful or fatal if swallowed. May cause gastrointestinal irritation with symptoms such as nausea, vomiting, and diarrhea. Ingestion may cause degeneration of liver, kidney, or renal failure. Persons who survive ingestion may develop granulomatous lesions of the kidney. Ingestion of large amounts may lead to convulsions, coma or death.
Inhalation	May irritate the nose, throat and respiratory tract. Symptoms can include sore throat, coughing and shortness of breath. In severe cases, ulceration and perforation of the nasal septum may occur. If this material is heated, inhalation of fumes may lead to development of metal fume fever. This is a flu-like illness with symptoms of metallic taste, fever and chills, aches, chest tightness and cough. Repeated inhalation exposure can cause shrinking of the lining of the nose.

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

Treatment	Treat symptomatically
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#### 5. Fire fighting measures

##### 5.1 Extinguishing media:

Suitable extinguishing media:	Suitable extinguishing media for the surrounding fire should be used.
Unsuitable extinguishing media:	No information available

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

Specific Hazards during fire:	When heated to decomposition it may emit toxic fumes of Sulphur Oxides, Carbon Monoxide, Carbon Dioxide and Nitrogen Oxides
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##### 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:	Runoff from fire control or dilution water may be corrosive and/or toxic and

#### 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/leak. Provide adequate ventilation. Avoid contact with skin and eyes. Do not breathe vapours. For personal protection see Section 8.
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##### 6.2 Environmental precautions

Do not discharge into drains or rivers. Harmful to aquatic life in low concentrations. May be dangerous if it enters water intakes
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## 6. Accidental release Measures

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

Small Spills Do not dry sweep . Use a vacuum or wet method to reduce dust during clean up

Large Spills Do not dry sweep. Use a vacuum or wet method to reduce dust during clean up. When vacuuming a High Efficiency Particulate (HEPA) Filter should be used.

### 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: Keep away from food, drink and animal feedstuffs.  
Store away from Chlorine, Hydroxylamine, Magnesium, Sodium Hypobromite, Nitro methane and Acetylene

Storage Temperature: No further information available

### 7.3 Specific end uses

Specific use(s) No information available

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

Copper Sulphate		CAS: 7758-98-7
	1 mg/m <sup>3</sup>	TWA (dusts & mists)
	0.2 mg/m <sup>3</sup>	TWA (fume)

This product does not contain any relevant quantities that have to be monitored in the workplace.

**8.2 Exposure controls**

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

**Personal protective equipment**

Respiratory protection	Advice:	Self contained breathing apparatus must be available in case of emergency
Hand protection	Advice:	Gloves
	Material:	No information available
Eye protection	Advice:	Tightly fitting safety goggles
Skin protection	Advice:	Protective 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:	Solid powder to granules
Colour:	Blue to white
Odour:	Odourless
Odour Threshold:	Currently we do not have any information from our supplier about this.
pH @ 20°C:	5
Solidification point	Currently we do not have any information from our supplier about this.
Boiling point:	>650°C
Flash point:	Not applicable
Melting Point	>200°C
Evaporation rate:	Currently we do not have any information from our supplier about this.
Flammability (solid, gas)	Currently we do not have any information from our supplier about this.
Vapour pressure:	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:	Completely soluble
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:	Currently we do not have any information from our supplier about this.
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: No decomposition if stored and applied as directed

**10.3 Possibility of hazardous reactions**

Hazardous reactions: No dangerous reactions known

**10.4 Conditions to avoid**

Conditions to avoid Heat

**10.5 Incompatible materials**

Materials to avoid Chlorine, Hydroxylamine, Magnesium, Sodium Hypobromite, Nitro methane and Acetylene

**10.6 Hazardous decomposition products** In combustion emits toxic fumes

**11. Toxilogical Information**

**11.1 Information on toxilogical effects**

**Acute Toxicity**

Value type	LD50
Value	50 mg/kg
Species	Human

**Primary irritant effect:**

**on the skin:** Exposure may cause skin allergy.  
**on the eye:** May produce ulceration of the cornea.

**Sensitization:** No sensitizing effects known.

**Chronic toxicity** Repeated exposure may cause shrinking of the lining of the inner nose with

**Carcinogenicity** Insufficient evidence available to evaluate product as a Carcinogen.

**Mutagenicity** Insufficient evidence available to evaluate product as mutagenic.

**Reproductive Hazard** May reduce fertility in female animals. May damage the developing foetus in animals.

Other relevant toxicity: Ingestion will cause nausea, vomiting, gastric pain, diarrhoea and cramps. Large doses by ingestion may cause renal injury, coma and may be fatal.

**12. Ecological Information**

**12.1 Toxicity**

Remarks: Toxic Very toxic to fish and aquatic organisms

**12.2 Persistence and degradability**

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

**12.3 Bioaccumulative potential**

Remarks: Bioaccumulation is not expected

**Trade Name:** Dry Algaecide

## 12. Ecological Information

### 12.4 Mobility in soil

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

### 12.5 Results of PBT and PvB

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

### 12.6 Other adverse effects

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

## 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 disposal services.

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** UN3077



### 14.2 UN proper shipping name

Environmentally hazardous substance, solid, n.o.s (contains copper sulphate)

### 14.3 Transport hazard class(es)

Class	9
Classification Code	C1
Hazard label	90
Transport Category	9
Tunnel Code	E
Special Marking	Symbol (fish and tree)

**14.4 Packaging Group** III

### 14.5 Environmental hazards

Environmentally Hazardous	Yes
Marine Pollutant	Yes

**14.6 Special precautions for user** No further information available

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

IMDG: Not applicable

**Trade Name:** Dry Algaecide

## 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

R22 Harmful if swallowed

R36/38 Irritating to eyes and skin

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

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

H302 Harmful if swallowed

H318 Causes serious eye damage

H400 Very toxic to aquatic life

H410 Very toxic to aquatic life with long lasting effects

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### • Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations

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

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

Revision	Date	By	Amendment
1	19/02/07	Linda Brueford	Created
2	15/09/09	Lorna Murray	Sections 2 & 3 swapped round to comply with REACH, change from PG I to PG II, inclusion of new Environmentally Hazardous Mark for transport for packagings larger than 5kg and other minor editorial amendments.
3	03/02/10	Linda Brueford	Classification changed to include N (Dangerous to the environment). GHS label elements added and other minor editorial amendments
4	16/11/11	Linda Brueford	Updated to 2011 European requirements and other minor editorial amendments
5	06/03/13	Linda Brueford	Section 3 amended