

SAFETY DATA SHEET

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

1.1 Product Identifier	Chemical: Winterfresh Weight 5 Litres Code SFW05/4		
1.2 Relevant Identified uses of the substance or mixture and uses advised against	Uses: Treatment of algae		
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) 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 Category	Hazard Statements
Acute Environ		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
Environmentally hazardous	R51/53

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:

Hazard statements: H400 Very toxic to aquatic life

Precautionary statements:

P402+404:	Store in a dry place. Store in a closed container
P305+351+338:	IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing
P301+P314:	IF SWALLOWED: Get medical attention if you feel unwell
P501:	Dispose of contents / container to hazardous Waste

Hazardous components which must be listed on the label N-dimethyl-2-hydroxyammonium chloride (polymer)

2.3 Other Hazards No other information is available

Trade Name: Winterclear

3. Composition/information on ingredients

3.1 Mixture

Chemical nature: Liquid

A mixture of the chemicals listed below with non-hazardous additions

Chemical Name	CAS No	EC No	H & R Phrases
Polyquaternaryammonium compound	25988- 97-	270-325-2	H400 - R51/53

4. First Aid measures

4.1 Description of first aid measures

General Advice: Symptoms of poisoning may occur even after several hours; therefore medical observation is required for at least 48 hours after the accident.

If Inhaled: Provide fresh air, warmth and rest, preferably in a comfortable sitting position. Get professional medical attention if any discomfort continues.

In case of skin contact: Generally the product does not irritate the skin.

In case of eye contact: Rinse the eye immediately with water. Continue to rinse for at least 15 minutes.

If swallowed: Clean mouth with water and drink plenty of water. If swallowed , do not induce vomiting seek medical advice if discomfort continues

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.

5.2 Special hazards arising from the substance or mixture

Specific Hazards during fire: No information available

5.3 Advice for fire-fighters

Special protective equipment: In the event of fire, wear self-contained breathing apparatus. Wear appropriate body protection (full protective suit).

Further Information: Collect contaminated firefighting water separately
Contaminated firefighting water must not enter the sewage system.

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. Keep away from ignition source.

6.2 Environmental precautions

Environmental precautions: Do not flush allow to enter into surface water or sanitary sewer system. Prevent from spreading (e.g. by damming-in or oil barriers).

6.3 Methods and materials for containment and cleaning up

Methods and materials: Absorb with liquid binding material (sand, acid/universal binders, sawdust).
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: Use personal protective equipment. Avoid contact with skin and eyes. 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 : Prevent any seepage i
Advice on protection against fire : No special measures r
Further information: Store in cool, dry conditions in well sealed receptacles
Advice on common storage: Store away from Oxidising substances.
Storage Temperature: Keep away from heat and direct sunlight

7.3 Specific end uses

For treatment of algae

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

No exposure limit established

8.2 Exposure controls

Refer to protective measures listed in sections 7 and 8

Personal protective equipment

Ventilation: No special ventilation requirements are normally necessary for this product. However, make sure that the work environment remains clean and that dusts are minimised.

Respiratory protection In case of insufficient ventilation wear suitable respiratory equipment.

Hand protection Wear protective gloves. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and standard EN 374.

Eye protection Tightly fitting safety goggles (EN166). Emergency eyewash stations must be available.

Skin and body protection Protective work clothing

Environmental exposure controls 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:	Fluid
Colour:	Colourless
Odour:	Mild
pH @ 20°C:	5 - 7
Melting Point	Undetermined
Boiling point:	100°C
Flash point:	Not applicable
Density @ 20°C:	1.052 g/cm ³
Water solubility:	Fully miscible
Partition coefficient:n-octanol/water:	Currently we do not have any information from our supplier about this.
Ignition temperature:	>250 °C
Explosive properties:	Product does not present an explosion hazard

9.2 Other Information No further information available

10. Stability and reactivity

10.1 Reactivity	No information available
10.2 Chemical stability	No information available
10.3 Possibility of hazardous reactions	None known
10.4 Conditions to avoid	No decomposition if used according to specifications
10.5 Incompatible materials	Oxidising agents
10.6 Hazardous decomposition products	Nitrogen Oxides

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

Route	Species	Test	Value	Units
Oral	Rat	LD50	>5,000	mg/kg

Primary Irritant effect:

On the skin: No irritant effect
On the eyes: No irritant effect

Sensitization: No sensitizing effects known

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

Additional toxicological information:

Other relevant toxicity: Avoid repeated exposure

Trade Name: Winterclear

12. Ecological Information


12.1 Toxicity	Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water.
12.2 Persistence and degradability	No information available
12.3 Bioaccumulative potential	Bioaccumulation is not expected
12.4 Mobility in soil	Expected to absorb on soil
12.5 Results of PBT and PvB assessment	No information available
12.6 Other adverse effects	Danger to drinking water if even small quantities leak into the ground. Do not allow product to reach ground water, water bodies or sewage system even in small quantities.

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.
Contaminated packaging:	Empty contaminated packaging's thoroughly. They can be recycled after thorough and proper cleaning. Packaging's 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	3082	
14.2 UN proper shipping name	3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Polyquaternaryammonium compound)	
14.3 Transport hazard class(es)		
Class	90	
Classification	M6	
Hazard label	9	
Transport Category	3	
Tunnel Code	E	
Excepted Quantities	E1	
Limited Quantities	5 Litres	
14.4 Packaging Group	III	
14.5 Environmental hazards		
Classified as environmentally hazardous:	Yes	
Marine Pollutant		
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.**

This Safety Data Sheet is provided in compliance with REACH Regulation (EC) No 1907/2006

15.2 Chemical Safety Assessment

No further information

16. Other information

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

R51/53 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

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.

Further information

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

• Abbreviations and acronyms:

ADR: Accord europeen sur le transport des marchandises dangereuse par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
RID: Reglement 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 Americal Chemical Society)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent

Revision	Date	By	Amendment
1	05/03/07	Linda Brueford	Created
2	27/03/12	Linda Brueford	Updated to European requirements and other minor editorial amendments
3	19/11/13	Linda Brueford	Minor editorial amendments