

Material Safety Data Sheet  
According to 91/155 EEC


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

- **Trade Name:** Wintertime
- **Intended use of chemical** Biocides for pool treatment
- **Manufacturer/Supplier** Complete Pool Controls Ltd  
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Bishops Cleeve  
Gloucestershire  
GL52 7RS  
  
Tel: +44 (0) 8712 229081  
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- **Emergency Telephone** Tel: +44 (0) 8712 229081 (office hours)

### 2. Composition/information on ingredients

Ingredient	CAS No	EC No	Symbol	Risk Phrases	%
Polymeric quaternary ammonium chloride	25988-97-0		N	R50/53	10 - 15
Nitritotrimethylenetris (phosphonic acid)	6419-19-8	229-146-5	Xi	R36/38	2

### 3. Hazard Identification

- **Hazard description**  N: Dangerous for the environment
- **Hazard information concerning particular hazards for human and the environment**  
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

### 4. First Aid measures

- **After inhalation:**  
Remove to fresh air. If patient is unconscious put in recovery position for transportation. Get medical attention if discomfort continues.
- **After skin contact:**  
Remove all contaminated clothing and footwear. Wash off with water. In case of irritation obtain medical attention. Show this sheet to the doctor.
- **After eye contact:**  
Rinse immediately with plenty of water for at least 15 minutes whilst keeping the eyes wide open.
- **After Ingestion:**  
Drink plenty of water and rinse mouth out. NEVER attempt to induce vomiting. Seek medical advice.

Trade Name: **Wintertime****5. Fire fighting measures**

- **Special extinguishing media:** Sand, Earth, Carbon Dioxide Powder or Water Spray
- **Special exposure hazards in fire:** May produce carbon dioxide, carbon monoxide, ammonia, hydrogen chloride and /or oxides of nitrogen and phosphorus.
- **Special protective equipment:** Self contained breathing apparatus

**6. Accidental release Measures**

- **Personal Protection** Use appropriate personal protective equipment as detailed in Section 8
- **Methods for cleaning:** Soak up and shovel into suitable containers for disposal. Dispose of in accordance with appropriate local regulations. After clearing, flush away traces with water. Do not allow product to enter drains.

**7. Handling and storage**

- **Technical Precautions** Install a retention tank and ensure there is a suitable retention system.
- **Personal Protection** Adopt good standards of hygiene and safe practices as a precaution. Wear suitable protective clothing gloves and eye/face protection
- **Storage** Store in original containers (do not store in metal containers) in cool, dry area away from oxidisers, foodstuffs and animal feed.

**8. Exposure control/personal protection**

- **Exposure control limits and source:** No exposure limit established
- **Hand Protection** Wear suitable chemical resistant gloves (PVC recommended)
- **Eye Protection** Wear appropriate safety goggles
- **Skin protection** Suitable PPE

**9. Physical and chemical properties**

- **Appearance at 20°C** Colourless to Pale Yellow Liquid
- **Odour** None perceptible
- **Specific gravity at 20°C** 1.02 g/cm<sup>3</sup>
- **pH (conc)** Ca 3.0 (Aqueous solution - 1g/100ml).
- **Boiling Point** 101 - 103°C
- **Flash Point** >100°C (Closed cup)
- **Solubility in water** Soluble

**Trade Name: Wintertime****10. Stability and reactivity**

- **Conditions to avoid** Stable under normal conditions of use
- **Materials to avoid** Reacts with strong oxidising agents
- **Hazardous decomposition products** Hydrochloric Acid, Nitrogen Oxides, ammonia, oxides of phosphorus, Carbon Oxides (CO + CO<sup>2</sup>)

**11. Toxicological Information**

- **Inhalation** No health effects expected
- **Ingestion** May cause irritation to mouth, throat, oesophagus and digestive tract if swallowed
- **Skin** May be irritating to skin.
- **Eyes** Slightly irritating to eyes.
- **Acute Toxicity**

LD50	Dermal	>2000 mg/kg (Rat)
LD50	Oral	>2000 mg/kg (Mouse)

**12. Ecological Information**

- **Ecotoxicity** Dangerous for the environment. Product is toxic to aquatic organisms
- **Mobility** Water soluble. May be adsorbed onto soil.
- **Persistence and degradability** Biodegradable. Product will react to produce harmless by-products.
- **Bioaccumulative potential** No bioaccumulation potential.
- **Other adverse effects** In large quantities, this product may effect the functioning of waste-water treatment plants.

**13. Disposal Considerations**

- **Substance** Dispose of in accordance with relevant local regulations.
- **Container** As Substance

**Trade Name: Wintertime****14. Transport Information**

• <b>U N No</b>	UN 3082
• <b>Proper shipping name</b>	Environmentally Hazardous Substance, Liquid, N.O.S. (Polymeric quaternary ammonium chloride in aqueous solution)
• <b>Class/division</b>	9
• <b>Packing group</b>	III
• <b>Hazard I D No</b>	90
• <b>Pollutant</b>	No

**15. Regulatory information**

• <b>Product Name</b>	Wintertime
• <b>Symbol</b>	N - Dangerous for the environment
• <b>Risk phrases</b>	R51/53 Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.
• <b>Safety phrases</b>	
S2	Keep out of the reach of children
S24/25	Avoid contact with skin and eyes
S60	This material and its container must be disposed of as hazardous waste
S61	Avoid release to the environment. Refer to special instructions/safety data sheet

**16. Other information**

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.

**• Relevant R phrases**

R22	Harmful if swallowed
R36/38	Irritating to eyes and skin
R50/53	Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.