

Material Safety Data Sheet
According to 91/155 EEC

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

- **Trade Name:** Summer clear
- **Other names** Copper free algaecide
- **Intended use of chemical** Algae Prevention in pool water
- **Manufacturer/Supplier** Complete Pool Controls Ltd, Unit 2, The Park, Stoke Orchard, Bishops Cleeve, Gloucestershire, GL52 7RS.
Tel: +44 (0) 8712 229081
Fax: +44 (0) 8712 229083

2. Composition/information on ingredients

- **Chemical characterization:**
- **CAS No.** 25988 - 97 - 0
- **CAS Description** Polyquaternaryammonium compound
- **EINECS Number:** 270-325-2
- **Symbol:** N: Dangerous for the environment

3. Hazard Identification

- **Hazard description**



N: Dangerous for the environment

- **Hazard Information concerning particular hazards for human and the environment**

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

4. First Aid measures

- **After inhalation:** Provide fresh air, warmth and rest, preferably in a comfortable sitting position. Get professional medical attention if any discomfort continues.
- **After skin contact:** Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes. Get professional medical attention if irritation persists.
- **After eye contact:** Rinse the eye immediately with water. Continue to rinse for at least 15 minutes. Get immediate medical attention.
- **After Ingestion:** Rinse mouth thoroughly and drink 1 - 3 glasses of water to dilute stomach contents . DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

Trade Name: Summer Clear

5. Fire fighting measures

- **Special extinguishing media:** Use fire extinguishing methods suitable to surrounding conditions
- **Special exposure hazards in fire:**
- **Special protective equipment:** Wear full protective clothing and self contained breathing apparatus (SCBA)



6. Accidental release Measures

- **Personal Protection**
- **Environmental Protection** Do not flush into surface water or sanitary sewer system; Do not allow to penetrate the ground/soil. Dilute with plenty of water.
- **Methods for cleaning:** Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local and national regulations.

7. Handling and storage

- **Personal Protection** Avoid contact with skin and eyes. Provide sufficient air exchange and/or exhaust in work rooms. Take precautionary measures against static discharges.
- **Storage** Store away from Oxidising agents. Prevent seepage into the ground. Keep container tightly closed. Keep in a dry, cool and well-ventilated place

8. Exposure control/personal protection

- **Exposure control limits and source:** No exposure limit established 
- **Hand Protection** Wear suitable chemical resistant gloves
- **Eye Protection** Wear appropriate safety goggles 
- **Skin Protection** Avoid prolonged contact with skin by wearing appropriate clothing.

Trade Name: Summer Clear**9. Physical and chemical properties**

• Appearance at 20oC	Colourless Liquid
• Odour	Mild
• Density	1.052 g/cm ³
• pH (conc)	5 - 7
• Boiling Point	100 °C
• Flash Point	Not applicable
• Ignition temperature	>250 °C
• Solubility in water	completely miscible

10. Stability and reactivity

• Conditions to avoid	No data available. Stable under normal conditions
• Materials to avoid	Strong oxidising agents
• Hazardous decomposition products	Nitrogen Oxides (NOx)

11. Toxicological Information

• Ingestion	Acute oral toxicity (LD50): >5000 mg/kg (species rat)
• Skin	No irritant effect
• Eyes	No irritant effect

12. Ecological Information

• Mobility	Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water. Do not allow product to reach ground water, water course or sewer system. Danger to drinking water if even small quantities leak into the ground.
• Persistence and degradability	
• Bio-accumulative potential	Material is not expected to bio-accumulate.
• Aquatic Toxicity	Toxic to fish and water plankton in water bodies Toxic for aquatic organisms

Trade Name: Summer Clear**13. Disposal Considerations**

- **Substance**

Do not allow run-off to sewer, waterway or ground. Used, degraded or contaminated product may be classed as hazardous waste. Anyone classifying hazardous waste and determining its fate must be qualified in accordance with state and international legislation. Dispose of in accordance with Local Authority requirements.

- **Container**

Containers remain hazardous when empty. Dispose of all contaminated packaging and containers observing local and national legislation

14. Transport Information

• U N No	UN3082
• Proper shipping name	Polyquaternaryammonium compound
• Class/division	9
• Packing group	III
• Hazard I D No	90
• EAC	
• Marine Pollutant	No

15. Regulatory information

• Product Name	Summer Clear
• Symbol	N: Dangerous for the environment
• Risk phrases	R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
• Safety phrases	S29 Do not empty into drains

16. Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.