

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

- **Trade Name:** Kleenpool Algicide
- **Other names**
- **Intended use of chemical** To prevent and control algae
- **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. Description**

4425-99-8	Copper sulphate Pentahydrate	5 - 10%
	Citric Acid	16 - 23%
	Sorbistat	>1%
- **EINECS Number:** 231-847-6
- **EU Number:**

### 3. Hazard Identification



Irritant



Dangerous for the Environment

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

R22 Harmful if swallowed  
R36/38 Irritating to eyes and skin

### 4. First Aid measures

- **After inhalation:** If person experiences nausea, headache or dizziness, stop work immediately and move to fresh air until the symptoms disappear. Use support respiration if needed. Seek medical attention.
- **After skin contact:** Wash with plenty water for a minimum of 15 minutes. If skin irritation persists, seek medical attention.
- **After eye contact:** Flush eyes with cold flowing water for at least 15 minutes. Seek medical attention immediately.
- **After Ingestion:** Immediately drink a minimum of 2 glasses of water to dilute, rinse out the mouth. INDUCE VOMITING. Seek immediate medical attention.

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

- **Special extinguishing media:** Powder or water spray. Fight larger fires with water spray.
- **Special exposure hazards in fire:** May produce toxic fumes
- **Special protective equipment:** Wear self-contained breathing apparatus and full protective clothing to prevent contact with skin and eyes.



**6. Accidental release Measures**

- **Personal Protection** Wear appropriate personal protective clothing as detailed in section 8.
- **Environmental Protection** Do not discharge into the drains/surface waters/groundwater.
- **Methods for cleaning:** Absorb with liquid-binding material (sand, sawdust, clay soil, vermiculite and commercial absorbents) and place in clean, dry containers for disposal.

**7. Handling and storage**

- **Storage Conditions** Store in a dry, well ventilated area. Keep from freezing. Use of propylene, stainless steel grade 316, glass or reinforced plastic is recommended. Avoid concrete and polythene containers.
- **Stability/Compatibility** Copper citrate is permanently stable at the concentration level used. If the solution is left open to the air, gradual evaporation of liquid will occur, leaving a crystallised formation of copper citrate. No discolouration, physical or chemical changes have been noted provided the product is stored in accordance with instructions on the approved packaging.
- **Incompatible material** Packaging - Carbon Steel, aluminium, Stainless Steel Grade 304

**Trade Name: Kleenpool****8. Exposure control/personal protection**

- |  |  |   |
|--|--|---|
| • <b>Exposure control limits and source:</b> | No exposure limit established                                      |  |
| • <b>Respiratory Protection</b>              | If vapour mists or aerosols are generated wear a respirator.       |   |
| • <b>Hand Protection</b>                     | Wear suitable chemical resistant gloves                            |   |
| • <b>Eye Protection</b>                      | Wear appropriate safety goggles                                    |  |
| • <b>Skin Protection</b>                     | Avoid prolonged contact with skin by wearing appropriate clothing. |   |

**9. Physical and chemical properties**

- |                                    |                   |
|------------------------------------|-------------------|
| • <b>Appearance at 20oC</b>        | Clear blue liquid |
| • <b>Odour</b>                     | slight            |
| • <b>Specific gravity at 20oC</b>  | 1.12              |
| • <b>pH (conc.)</b>                | 1.2 (10% soln)    |
| • <b>Bulk Density</b>              | 1.1239/ml @ 20°C  |
| • <b>Boiling Point</b>             | 101°C             |
| • <b>Decomposition Temperature</b> | 45°C              |
| • <b>Flash Point</b>               | N/A               |
| • <b>Solubility in water</b>       | Fully miscible.   |

**10. Stability and reactivity**

- |   |  |
|---|--|
| • <b>Conditions to avoid</b>              | Extreme Heat                             |
| • <b>Materials to avoid</b>               | Avoid concrete and polythene containers. |
| • <b>Hazardous decomposition products</b> | Copper                                   |

**Trade Name: Kleenpool****11. Toxicological Information**

- **Inhalation** Acute exposure may cause transient respiratory tract irritation
- **Ingestion** If ingested, gastro-enteritis may occur with nausea vomiting, lethargy and diarrhoea.
- **Skin** No significant adverse effects to health should occur from dermal contact.
- **Eyes** Acute exposure may cause irritation consisting of reversible redness, swelling and mucous discharge to the conjunctiva. No corneal involvement or visual impairment would be expected.
- **Toxicity** Not known to be a reproductive or development toxin  
Not known to be Carcogenic  
Not known to be mutagenic

**12. Ecological Information**

- **Mobility** Product is not expected to bioaccumulate.
- **General Notes** Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

**13. Disposal Considerations**

- **Substance** Must not be disposed of with household waste. Do not allow product to reach sewage system. Used, degraded or contaminated product may be classified as hazardous waste. Anyone classifying hazardous waste and determining its fate must be qualified in accordance with state and international legislation.
- **Container** All contaminated packaging must be disposed off via an authorised hazardous waste contractor.

**14. Transport Information**

- **U N No** UN1760
- **Proper shipping name** CORROSIVE LIQUID, N.O.S. (Copper sulphate)
- **Class/division** 8
- **Packing group** I
- **Hazard I D No** 80
- **EAC** 2Z
- **Pollutant** May be considered a marine pollutant

**Trade Name: Kleenpool****15. Regulatory information**

• <b>Product Name</b>	Kleenpool	
• <b>Symbol</b>	Xi, N	
• <b>Indications of danger</b>	Irritant; Dangerous for the Environment	
• <b>Risk phrases</b>	R36/38	Irritating to eyes and skin
	R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
• <b>Safety phrases</b>	S1/2	Keep locked up and out of the reach of children
	S13	Keep away from food, drink and animal feedstuffs.
	S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
	S37/39	Wear suitable gloves and eye/face protection
	S29/56	Do not empty into drains, dispose of this material and its container at hazardous waste collection point.

**16. Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for

