

Material Safety Data Sheet  
According to 91/155 EEC

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

- **Trade Name:** Chlorine Reducer
- **Other names** Sodium Thiosulphate, Sodium Hyposulphate
- **Intended use of chemical** To reduce the levels of chlorine/bromine 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. Description** Sodium Thiosulphate 7772-98-7
- **EINECS Number:** 231-867-5
- **EU Number:**

### 3. Hazard Identification

- **Non Hazardous**

### 4. First Aid measures

- **After inhalation:** Remove to fresh air. Seek medical attention where breathing difficulties persist.
- **After skin contact:** Wash off with soap and water .
- **After eye contact:** Rinse immediately with plenty of water for at least 15 minutes. Where irritation persists seek medical attention
- **After Ingestion:** Drink plenty of water and rinse mouth out. Do not induce vomiting. Seek medical advice immediately.

When seeking professional medical attention, always show the product label.

Trade Name: Chlorine Reducer

#### 5. Fire fighting measures

- **Special extinguishing media:** Water spray, carbon dioxide, dry powder.
- **Special exposure hazards in fire:** Emits toxic fumes under fire conditions
- **Special protective equipment:** Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

#### 6. Accidental release measures

- **Personal precautions** Use appropriate personal protective equipment as detailed in Section 8.
- **Environmental precautions** Do not allow product to enter drains
- **Methods for cleaning:** Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

#### 7. Handling and storage

- **Personal Protection** Mix only with water. Always add small quantities of product to Water. **DO NOT** add water to product. Exothermic reaction. Ensure all dispensing devices are clean and free from other chemicals.
- **Storage** Keep this product in original, closed container when not in use. Store in a cool, dry, well-ventilated area. Keep this product and all other chemicals out of reach of children.

Trade Name: Chlorine Reducer

## 8. Exposure control/personal protection

### Workplace Exposure Limits

Exposure Limits:	8hr TWA		15min STEL		Authority
	ppm	mg/m3	ppm	mg/m3	
Ethylene glycol butyl ether.	25	-	50	-	EH40
Potassium Hydroxide	-	-	-	2	EH40

- **Hand Protection** Rubber/PVC Gloves.
- **Respiratory protection** Engineered or sufficient natural ventilation. Where this is not possible wear P2 respiratory protection
- **Skin Protection** Standard protective clothing to prevent dust contact with skin .
- **Eye Protection** Safety goggles

## 9. Physical and chemical properties

- **Appearance** White Crystalline
- **Melting Point** 48 °C
- **pH(10% Soln)** 7.0 - 8.0
- **Solubility** Soluble in water (400 g/litre)
- **Bulk Density** 1.69 g/cm<sup>3</sup> @ 20 °C

Trade Name: Chlorine Reducer

## 10. Stability and reactivity

- **Conditions to avoid:** Stable under most conditions
- **Materials to avoid:** Can react violently with strong oxidizing agents, reacts with acids to release sulphur dioxide.
- **Hazardous decomposition products:** Sulphur dioxide, hydrogen sulphide

## 11. Toxicological Information

- **Inhalation:** May be harmful if inhaled. Dust is mildly irritating to mucous membrane and upper respiratory tract.
- **Ingestion:** May be harmful if swallowed. Low toxicity, acts as a laxative. May irritate gastric tract causing nausea. Large quantities may depress nervous system.
- **Skin:** Mild skin irritation. May be harmful if absorbed through the skin. May cause sensitisation for some individuals
- **Eyes:** Mild eye irritation

## 12. Ecological Information

- **Ecotoxicity:** Believed to be low.
- **Mobility:** Soluble in water.
- **Persistence and degradability:** Biodegradable.

**Trade Name: Chlorine Reducer**

### 13. Disposal Considerations

- **Substance** Sweep dry waste and store in clean containers for disposal. Treat as hazardous waste.
- **Container** Dispose of in a similar way to the above

### 14. Transport Information

**Classification:** Not classified.

### 15. Regulatory Information

**Product Name:** Chlorine Reducer

**Symbol:** Not regulated.

**Indication(s) of danger:** Not regulated.

**Risk phrases:** Not classified.

**Safety phrases:** Not classified.

**EC No. (if applicable):** 231-867-5

### 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.