

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

- **Trade Name:** Stain and Scale Inhibitor
- **Other names**
- **Intended use of chemical** To prevent staining of pools and spas.
- **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:**
- **Description** 1-hydroxyethylidene-1,1-diphosphonic acid
- **CAS No.** 2809-21-4
- **EU Number:** 220-552-8
- **WT %** 10 - 30%
- **Description** Polymaleic Acid
- **CAS No.**
- **EU Number:** 26099-09-2
- **WT %** <20

3. Hazard Identification

Xi (Irritant)

Hazard Information concerning particular hazards for human and the environment

R41 Risk of serious damage to eyes

4. First Aid measures

- **After inhalation:** Provide fresh air, warmth and rest, preferably in a comfortable upright sitting position. Get professional medical attention if any discomfort continues.

Immediately remove contaminated clothing. Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes. Get professional medical attention if irritation persists after washing.
- **After skin contact:**
- **After eye contact:** Rinse the eye immediately with water. Continue to rinse for at least 15 minutes. Contact professional medical attention if irritation persists.
- **After Ingestion:** DO NOT INDUCE VOMITING. Rinse mouth thoroughly. Get professional medical attention. NEVER GIVE ANYTHING BY MOUTH IF THE PERSON AFFECTED IS UNCONSCIOUS.

Trade Name: Stain and Scale Inhibitor**5. Fire fighting measures**

- **Special extinguishing media:** Water spray, fog or mist. Powder, foam or CO₂.
- **Special exposure hazards in fire:** Emits toxic fumes under fire conditions.
- **Special protective equipment:** Wear full protective clothing and self-contained breathing apparatus (SCBA).



6. Accidental release Measures

- **Personal Protection** Wear protective equipment. Keep unprotected persons away
- **Methods for cleaning:** Contain and absorb the spillage with inert material such as sand. Sweep up the spill and place in clean, dry, well-ventilated containers including any contaminated soil. Dispose of product in accordance with relevant local and national waste disposal legislation.

7. Handling and storage

- **Personal Protection** Avoid contact with eyes
- **Storage** Keep container tightly sealed
Store in cool dry conditions

8. Exposure control/personal protection

- **Exposure control limits and source:** No exposure limit established 
- **General** Engineering controls and natural ventilation should be considered before deploying high level personal respiratory protection.
- **Respiratory Protection** Where mist emissions are possible, suitable respiratory protection should be used.
- **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: Stain and Scale Inhibitor**9. Physical and chemical properties**

- | | |
|-----------------------------------|------------------------|
| • Appearance at 20oC | Clear Orange Liquid |
| • Odour | Odourless |
| • Specific gravity at 20oC | 1.45 gml ⁻¹ |
| • pH (conc) | 1.2 - 1.4 |
| • Boiling Point | Undetermined |
| • Solubility in water | Miscible in water |

10. Stability and reactivity

- | | |
|---|--|
| • Conditions to avoid | High temperature. Poor ventilation. Contamination. |
| • Materials to avoid | Other swimming pool/spa chemicals in their concentrated forms.
Bases and strong oxidising agents. |
| • Hazardous decomposition products | Oxides of phosphorus, carbon and nitrogen may be produced. |

11. Toxicological Information

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|---------------------|--|
| • Inhalation | Material is irritating to mucous membranes and upper respiratory tract. May be harmful if inhaled. |
| • Ingestion | May be harmful if swallowed |
| • Skin | Causes skin irritation. May be harmful if absorbed through the skin. |
| • Eyes | Causes severe irritation to eyes. |
| • Toxicity | This product is not listed as a carcinogen.
Toxic dose LD50: >2000 mg/kg (oral rat) |

12. Ecological Information

- | | |
|------------------------------------|--|
| • Degradability | Not readily biodegradable |
| • Bioaccumulative potential | Chemical oxygen demand, COD 364,000 mg l ⁻¹
Biological oxygen demand, BOD >2000 mg l ⁻¹ |
| • Acute Toxicity | LC50 96 hr fish > 300
EC50 48 hr Daphnia >500 |

Trade Name: Stain and Scale Inhibitor**13. Disposal Considerations**

- **Substance** Incinerate. Absorb in vermiculite or dry sand, dispose via licensed waste disposal contractor. Liquid material should be incinerated. Material absorbed onto sand or earth should be disposed of as solid waste in accordance with local regulations.
- **Container** DO NOT re-use container. Rinse thoroughly before discarding. Empty packaging may contain product residues and due consideration should be given prior to disposal

14. Transport Information

- **U N No** UN3265
- **Proper shipping name** Corrosive liquid, acidic, organic, N.O.S. (contains 1-hydroxyethylidene-1,1-diphosphonic Acid and polymaleic acid)
- **Class/division** 8
- **Packing group** III
- **Hazard I D No** 80
- **EAC** 2X

IMDG CODE

Marine pollutant: May be considered a marine pollutant.

15. Regulatory information

- **Product Name** Stain & Scale Inhibitor
- **Symbol** Xi
- **Risk phrases** R41 Risk of serious damage to eyes
- **Safety phrases**

S1/2	Keep locked up and out of the reach of children.
S24/25	Avoid contact with skin and eyes.
	In case of contact with eyes, rinse immediately with water and seek medical advice.
S26	
S37/39	Wear suitable gloves a
	In case of accident or if you feel unwell seek medical advice
S45	immediately (show the label where possible)
	Do not empty into drains; dispose of this material and its container
S29/56	at hazardous or special waste collection point

Trade Name: Stain and Scale Inhibitor

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.

