

**Stain & Scale Inhibitor**

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

**1.1 Product Identifier**                      Stain & Scale Inhibitor

**1.2 Relevant Identified uses of the substance or mixture and uses advised against**

Uses:    To prevent staining of pools and spas.

**1.3 Details of the supplier of the safety data sheet**

Company:                                      Complete Pool Controls Ltd  
 Unit 2, The Park  
 Stoke Orchard  
 Bishops Cleeve  
 Gloucestershire  
 GL52 7RS

Telephone:    +44 (0) 8712 229081                      Fax:                      +44 (0) 8712 229083  
 E-mail:                      [sales@cpc-chemicals.co.uk](mailto:sales@cpc-chemicals.co.uk)

**1.4 Emergency Telephone**

Tel:                      +44 (0) 8712 229081                      (office hours)                      +44 (0) 1242 300271                      ( outside of office hours)

**2. Hazard Identification**

**2.1 Classification of the substance or mixture**

**Classification according to Regulation (EC) No 1272/2008**

<b>Hazard Class</b>	<b>Hazard Statements</b>
Skin Dam 1	H318
Skin Sens.1	H317

For the full text of the H statements mentioned in this section see Section 16.

**Most important adverse effects**

Human Health:	See section 11 for toxicological information
Physical & Chemical Hazards:	See section 9 for physicochemical information
Potential environmental effects:	See section 12 for environmental information

**2.2 Label elements**

**Labelling according to Regulation (EC) No 1272/2008**

Hazard pictograms:	GHS05:                      Corrosion
	GHS07:                      Warning

Hazard symbols:



Signal word:                                      Danger

Hazard statements:	H317	May cause an allergic skin reaction
	H318	Causes serious eye damage

Precautionary statements:	P101	If medical advice is needed, have product container or label at hand
	P102	Keep out of reach of children
	P261	Avoid breathing mist
	P280	Wear protective gloves and eye/face protection
	P305+351+338:	IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing
	P302+353:	IF ON SKIN (or hair): Wash with plenty of water/shower
	P333+313:	If skin irritation or rash occurs: Get medical advice/attention
	P337+313:	If eye irritation persists: Get medical advice/attention
	P363:	Wash contaminated clothing before reuse
	P501	Dispose of contents/container in accordance with national regulations.

**2.3 Other Hazards**

PBT:    This product is not identified as a PBT/vPvB substance.

Trade Name: Stain & Scale Inhibitor

### 3. Composition/information on ingredients

#### 3.1 Mixture

Chemical nature: Liquid - Mixture of substances listed below with nonhazardous additions

ETIDRONIC ACID - REACH registered number(s): 01-2119510391-53					
Index-No:	Cas No:	EC No:	%	CLP Classification	
-	2809-21-4	220-552-8	10 - 15%	Met.Corr.1 H290; Acute Tox.4 H302; Eye Dam.1 H318	
2R,3R)-2,3-DIMETHYLBUTANEDIOIC ACID					
-	26099-09-2	26099-09-2	1 - 10%	Eye Irrit. 2 H319	
MALEIC ACID					
-	203-742-5	110-16-7	<1%	Acute Tox. 4: H302; Eye Irrit. 2: H319; STOT SE 3: H335; Skin Irrit. 2: H315; Skin Sens. 1: H317	

### 4. First Aid measures

#### 4.1 Description of first aid measures

General Advice: Take off all contaminated clothing immediately unless stuck to the skin.

Skin contact: Wash off immediately with plenty of soap & water. If irritation appears seek medical advice

Eye contact: Rinse immediately with plenty of water, also under eyelids for at least 15 minutes. Remove contact lenses. Consult a doctor

Ingestion: Clean mouth with water and drink plenty of water. DO NOT INDUCE VOMITING. Consult a doctor immediately

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so.

#### 4.2 Most important symptoms and effects, both acute and delayed

Skin contact: There may be irritation and redness at the site of contact.  
There may be pain and redness. The eyes may water profusely. There may be severe pain. The

Eye contact: vision may become blurred. May cause permanent damage.  
There may be soreness and redness of the mouth and throat. Nausea and stomach pain may

Ingestion: occur.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

#### 4.3 Indication of immediate medical attention and special treatment needed

Treatment Immediate effects can be expected after short-term exposure.

### 5. Fire fighting measures

#### 5.1 Extinguishing media:

Suitable media: Suitable extinguishing media for the surrounding fire should be used.  
Use water spray to cool containers

#### 5.2 Special hazards arising from the substance or mixture

Specific Hazards during fire: In combustion emits toxic fumes.

#### 5.3 Advice for fire-fighters

Special protective equipment: In the event of fire, wear self-contained breathing apparatus.  
Wear appropriate body protection (full protective suit).

## 6. Accidental release Measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Personal Precautions: Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not attempt to take action without suitable protective clothing - see section 8 of SDS. Turn leaking containers leak-side up to prevent the escape of liquid

### 6.2 Environmental precautions

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

### 6.3 Methods and materials for containment and cleaning up

Cleaning up: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders) Keep in suitable closed containers for disposal.

### 6.4 Reference to other sections

Other Sections See Section 8 for information on personal protection equipment

## 7. Handling and storage

### 7.1 Precautions for safe handling

Advice on safe handling: Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Avoid the formation or spread of mists in the air.

### 7.2 Conditions for safe storage, including any incompatibilities.

Storage conditions: Store in a cool, well ventilated area. Keep container tightly closed.

### 7.3 Specific end uses

Specific use(s) No information available

## 8. Exposure control/personal protection

### 8.1 Control parameters

Workplace exposure limits: No data available  
DNEL / PNEC Values: No data available

### 8.2 Exposure controls

**Engineering measures** No data available

#### Personal protective equipment

Respiratory protection In case of insufficient ventilation, wear suitable respiratory equipment.

Hand protection Wear protective gloves. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and standard EN 374.

Eye protection Wear safety glasses approved to standard EN 166. Provide eye station

Skin and body protection Protective clothing

#### Environmental exposure controls

General advice: Do not flush into surface water or sanitary sewer systems

**9. Physical and chemical properties****9.1 Information on basic physical and chemical properties**

Form:	Liquid
Colour:	Orange
Odour:	Characteristic
pH @ 20°C:	<2
Relative density:	1.09

**9.2 Other Information** No further information available

**10. Stability and reactivity****10.1 Reactivity**

Reactivity Stable under recommended transport or storage conditions.

**10.2 Chemical stability**

Chemical stability No decomposition if stored and applied as directed

**10.3 Possibility of hazardous reactions**

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below.

**10.4 Conditions to avoid**

Conditions to avoid Heat

**10.5 Incompatible materials**

Materials to avoid Strong oxidising agents. Strong acids

**10.6 Hazardous decomposition products**

Haz. Decomp. products: In combustion emits toxic fumes.

**11. Toxicological Information****11.1 Information on toxicological effects**

ETIDRONIC ACID				
DERMAL	RBT	LD50	>5000	mg/kg
ORAL	RAT	LD50	1878	mg/kg
2R,3R)-2,3-DIMETHYLBUTANEDIOIC ACID				
ORAL	RAT	LD50	12500	mg/kg
MALEIC ACID				
ORL	MUS	LD50	2400	mg/kg
ORL	RAT	LD50	708	mg/kg

**Relevant hazards for product:**

Hazard	Route	Basis
Serious eye damage/irritation	OPT	Hazardous: calculated
Respiratory/skin sensitisation	DRM	Hazardous: calculated

**Symptoms / routes of exposure**

Skin contact:	There may be irritation and redness at the site of contact.
Eye contact:	There may be pain and redness. The eyes may water profusely. There may be severe pain. The vision may become blurred. May cause permanent damage.
Ingestion:	There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.
Inhalation:	There may be irritation of the throat with a feeling of tightness in the chest.

**12. Ecological Information****12.1 Toxicity****Hazardous ingredients:**

<b>2R,3R)-2,3-DIMETHYLBUTANEDIOIC ACID</b>			
Daphnia magna	48H EC50	>1000	mg/l
FISH	96H LC50	580	mg/l

**12.2 Persistence and degradability**

Persistence and degradability No data available

**12.3 Bioaccumulative potential**

Bioaccumulative potential No data available

**12.4 Mobility in soil**

Mobility in soil Readily absorbed into soil

**12.5 Results of PBT and PvB assessment**

PBT and PvB assessment: This product is not identified as a PBT/vPvB substance.

**12.6 Other adverse effects**

Other adverse effects No data available

**13. Disposal Considerations****13.1 Waste treatment methods**

Transfer to a suitable container and arrange for collection by specialised disposal company

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal**14. Transport Information**

Not classified as hazardous for transportation.

**15. Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for this substance or mixture.**

This product is not classified according to the EU regulations

**15.2 Chemical Safety Assessment**

No data available

**16. Other information**

Full text of H-statements referred to under sections 2 and 3

H317 May cause an allergic skin reaction

H318 Causes serious eye damage

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Indicates updated section