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## SAFETY DATA SHEET

**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

## 1.1 Product identifier

- Product Name: Spa Scale Away
- Contains etidronic acid

## 1.2 Relevant identified uses of the substance or mixture and uses advised against

- Use of the substance/mixture: Antiscalant Treatment for Swimming Pool and Spa water.
- Use advised against: No information available

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

- Name of Supplier: Complete Pool Controls Ltd
- Address of Supplier: Unit 2, The Park  
Stoke Orchard  
Bishops Cleeve  
Gloucestershire  
GL52 7RS
- Telephone: +44 (0) 8712 229081
- Fax: +44 (0) 8712 229083
- Email: Sales@cpc-chemicals.co.uk

## 1.4 Emergency telephone number

- Emergency Telephone: +44 (0) 8712 229081 (office hours)  
+44 (0) 1242 300271 (outside of office hours)

**SECTION 2: Hazards identification**

## 2.1 Classification of the substance or mixture

- Classification (REGULATION (EC) No 1272/2008) [CLP/GHS]: Met. Corr. 1, H290; Eye Dam. 1, H318
- Additional information: For full text of Hazard- and EU Hazard-statements: see section 16

## 2.2 Label elements



GHS05

- Signal Word: Danger
- Contains etidronic acid
- Hazard statements  
H290 - May be corrosive to metals.  
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.

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**SECTION 2: Hazards identification (....)**

P234 - Keep only in original packaging.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection.  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310 - Immediately call a POISON CENTER or doctor/physician.

- Supplemental Hazard Information (EU)  
None

## 2.3 Other hazards

- Not a PBT according to REACH Annex XIII
  - Not a vPvB according to REACH Annex XIII
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**SECTION 3: Composition/information on ingredients**

## 3.1 Substances

## 3.2 Mixtures

- etidronic acid; 1-hydroxyethylidene-1,1-diphosphonic acid  
Concentration: 1 - 10%  
CAS Number: 2809-21-4  
EC Number: 220-552-8  
Classification (REGULATION (EC) No 1272/2008) [CLP/GHS]: Met. Corr. 1, H290;  
Acute Tox. 4, H302; Eye Dam. 1, H318
- 

**SECTION 4: First aid measures**

## 4.1 Description of first aid measures

- Contact with eyes  
If substance has got into eyes, immediately wash out with plenty of water for several minutes  
Remove contact lenses, if present and easy to do. Continue rinsing.  
Irrigate eyes thoroughly whilst lifting eyelids  
Get immediate medical advice/attention.
- Contact with skin  
Remove contaminated clothing immediately and drench affected skin with plenty of water.  
Then wash with soap and water  
Contaminated clothing should be laundered before reuse  
If skin irritation or rash occurs: Get medical advice/attention.
- Ingestion  
Rinse mouth with water (only if the person is conscious)  
Give plenty of water to drink  
Do not induce vomiting  
Get immediate medical advice/attention.
- Inhalation  
If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.  
Apply artificial respiration only if patient is not breathing  
Get immediate medical advice/attention.

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

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**SECTION 4: First aid measures (....)**

- May cause severe damage with formation of corneal ulcers and permanent impairment of vision.
- May cause blurred vision

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

- Treat symptomatically
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**SECTION 5: Firefighting measures**

## 5.1 Extinguishing media

- Not flammable. In case of fire use extinguishing media appropriate to surrounding conditions

## 5.2 Special hazards arising from the substance or mixture

- Gives off irritating or toxic fumes (or gases) in a fire.
- Decomposition products may include carbon oxides
- Decomposition products may include phosphorous oxides

## 5.3 Advice for firefighters

- Special protective equipment: Wear self-contained breathing apparatus (SCBA). Wear full protective clothing including chemical protection suit.
  - Keep container(s) exposed to fire cool, by spraying with water
  - Collect contaminated fire extinguishing water separately. This **MUST** not be discharged into drains. Prevent fire extinguishing water from contaminating surface or ground water.
- 

**SECTION 6: Accidental release measures**

## 6.1 Personal precautions, protective equipment and emergency procedures

- Personal precautions for non-emergency personnel: Evacuate the area and keep personnel upwind; Avoid contact with skin and eyes; Wear protective clothing as per section 8; Eyewash bottles should be available; Wash thoroughly after handling.
- Personal precautions for emergency responders: Wear chemical protection suit; Wear self-contained breathing apparatus (SCBA).

## 6.2 Environmental precautions

- Avoid release to the environment.
- Do not allow to enter public sewers and watercourses
- If contamination of drainage systems or water courses is unavoidable, immediately inform appropriate authorities

## 6.3 Methods and material for containment and cleaning up

- Contain the spillage using bunding
- Absorb spillage in earth or sand
- Place in appropriate container
- Seal containers and label them
- Dispose of contents/container to an authorised waste collection point
- To be disposed of as hazardous waste

## 6.4 Reference to other sections

- See section(s): 7, 8 & 13
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**SECTION 7: Handling and storage**7.1 Precautions for safe handling

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**SECTION 7: Handling and storage (....)**

- Avoid breathing vapours, mist or gas
- Ensure adequate ventilation
- Do not eat, drink or smoke when using this product.
- Do not get in eyes, on skin, or on clothing.
- Ensure eyewash stations and safety showers are nearby
- Contaminated work clothing should not be allowed out of the workplace.
- Contaminated clothing should be laundered before reuse
- Wash thoroughly after handling.

**7.2 Conditions for safe storage, including any incompatibilities**

- Keep only in the original container
- Keep container tightly closed, in a cool, well ventilated place
- Opened containers should be carefully resealed and stored in an upright position
- Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.  
No smoking.

**7.3 Specific end use(s)**

- Antiscalant Treatment for Swimming Pool  
and Spa water.

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**SECTION 8: Exposure controls/personal protection****8.1 Control parameters**

- etidronic acid; 1-hydroxyethylidene-1,1-diphosphonic acid  
DNEL (oral) 6.5 mg/kg (bw/day) Consumer, Long Term, Systemic Effects  
DNEL (oral) 6.5 mg/kg (bw/day) Consumer, Acute/Short Term, Systemic Effects  
PNEC aqua (freshwater) 13614 ug/l  
PNEC aqua (marine water) 14 ug/l  
PNEC (STP) 20 mg/l  
PNEC sediment (freshwater) 59 mg/kg  
PNEC sediment (marine water) 5.9 mg/kg  
PNEC terrestrial (soil) 96 mg/kg

**8.2 Exposure controls**

- Do not eat, drink or smoke when using this product.
- Wash thoroughly after handling.
- Ensure adequate ventilation
- Ensure eyewash stations and safety showers are nearby
- In case of insufficient ventilation, wear suitable respiratory equipment
- Wear suitable protective clothing, including eye/face protection and gloves (nitrile are recommended)
- The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and standard EN 374.
- The selection of a suitable glove depends on work conditions and whether the product is present on its own or in combination with other substances. Breakthrough time is dependent on the characteristics of the brand of glove used and the supplier should be consulted.
- Wear safety glasses approved to standard EN 166.
- When handling this substance, e.g. sampling, wear goggles giving complete eye protection

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**SECTION 8: Exposure controls/personal protection (....)**

Respirator



Suit



Gloves



Goggles



No Flames



No Smoking

**SECTION 9: Physical and chemical properties**

## 9.1 Information on basic physical and chemical properties

- Appearance: Liquid; colourless
- Odour: Characteristic odour
- Odour threshold: No information available
- pH: <2
- Melting point/freezing point: No information available
- Initial boiling point and boiling range: No information available
- Flashpoint: Not applicable
- Evaporation Rate: No information available
- Flammability (solid,gas): Not flammable
- Upper/lower flammability or explosive limits: No information available
- Vapour Pressure: No information available
- Vapour Density: No information available
- Relative Density: 1.055
- Solubility(ies): Completely soluble in water
- Partition Coefficient (n-Octanol/Water): No information available
- Autoignition Temperature: No information available
- Decomposition temperature: No information available
- Viscosity: Not applicable
- Explosive Properties: Non-explosive
- Oxidising Properties: Not oxidising

## 9.2 Other information

- No information available

**SECTION 10: Stability and reactivity**

## 10.1 Reactivity

- Stable under normal conditions

## 10.2 Chemical stability

- No decomposition if stored normally.

## 10.3 Possibility of hazardous reactions

- May be corrosive to metals

## 10.4 Conditions to avoid

- Keep away from heat and sources of ignition

## 10.5 Incompatible materials

- Incompatible with strong oxidizing substances
- Incompatible with strong acids

## 10.6 Hazardous decomposition products

- Decomposition products may include toxic and irritant fumes

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**SECTION 10: Stability and reactivity (....)**

- Decomposition products may include carbon oxides
  - Decomposition products may include phosphorous oxides
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**SECTION 11: Toxicological information**

## 11.1 Information on toxicological effects

- Acute Toxicity  
Based on available data, the classification criteria are not met  
LD50 (oral,rat): (etidronic acid) 3 130 mg/kg  
LD50 (dermal, rabbit): (etidronic acid) 10 000 mg/kg bw
  - Skin corrosion/irritation  
Based on available data, the classification criteria are not met
  - Serious eye damage/irritation  
Causes serious eye damage.  
Classification based on calculation and concentration thresholds
  - Respiratory or skin sensitisation  
Based on available data, the classification criteria are not met
  - Germ cell mutagenicity  
No evidence of mutagenic effects
  - Carcinogenicity  
No evidence of carcinogenic effects
  - Reproductive toxicity  
No evidence of reproductive effects
  - Specific target organ toxicity (STOT) - single exposure  
Based on available data, the classification criteria are not met
  - Specific target organ toxicity (STOT) - repeated exposure  
Based on available data, the classification criteria are not met
  - Aspiration hazard  
No information available
  - Contact with eyes  
May cause severe damage with formation of corneal ulcers and permanent impairment of vision.  
May cause blurred vision
  - Contact with skin  
May cause redness and irritation
  - Ingestion  
May cause gastro-intestinal irritation  
The ingestion of significant quantities may cause nausea/vomiting
  - Inhalation  
May cause respiratory irritation  
May cause shortness of breath
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**SECTION 12: Ecological information**

## 12.1 Toxicity

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**SECTION 12: Ecological information (....)**

- Based on available data, the classification criteria are not met
  - etidronic acid; 1-hydroxyethylidene-1,1-diphosphonic acid
    - LC50 (fish): 195 - 2 180 mg/l (96 hr)
    - EC50 (aquatic invertebrates) 527 mg/l (48 hr)
- 12.2 Persistence and degradability
- Biodegradable
- 12.3 Bioaccumulative potential
- No information available
- 12.4 Mobility in soil
- Absorbs on soil
- 12.5 Results of PBT and vPvB assessment
- Not a PBT according to REACH Annex XIII
  - Not a vPvB according to REACH Annex XIII
- 12.6 Other adverse effects
- Do not allow product to reach ground water, water course or sewage system. Must not reach sewage water or drainage ditch undiluted or unneutralized. Danger to drinking water if even extremely small quantities leak into the ground.
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**SECTION 13: Disposal considerations**

- 13.1 Waste treatment methods
- Avoid release to the environment.
  - Do not flush spilt material into any public water system
  - Do not reuse empty containers without commercial cleaning or reconditioning
  - This material and/or its container must be disposed of as hazardous waste
  - Dispose of contents/container to an authorised waste collection point
  - Disposal should be in accordance with local, state or national legislation
- 13.2 Classification
- The waste must be identified according to the List of Wastes (2000/532/EC)
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**SECTION 14: Transport information**

Corrosive

- 14.1 UN number
- UN No.: 3265
- 14.2 UN proper shipping name
- Proper Shipping Name: CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.  
(Etidronic acid)
- 14.3 Transport hazard class(es)
- Hazard Class: 8
- 14.4 Packing group
- Packing Group: III
- 14.5 Environmental hazards
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**SECTION 14: Transport information (....)**

- Not Classified
- 14.6 Special precautions for user
  - No information available
- 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code
  - Not applicable
- 14.8 Road/Rail (ADR/RID)
  - Proper Shipping Name: CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.  
(Etidronic acid)
  - ADR UN No.: 3265
  - ADR Hazard Class: 8
  - ADR Packing Group: III
  - Tunnel Code: E
- 14.9 Sea (IMDG)
  - Proper Shipping Name: CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.  
(Etidronic acid)
  - IMDG UN No.: 3265
  - IMDG Hazard Class: 8
  - IMDG Pack Group.: III
- 14.10 Air (ICAO/IATA)
  - Proper Shipping Name: CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.  
(Etidronic acid)
  - ICAO UN No.: 3265
  - ICAO Hazard Class: 8
  - ICAO Packing Group: III

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**SECTION 15: Regulatory information**

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
  - This Safety Data Sheet is provided in compliance with REACH Regulation (EC) No 1907/2006 as amended by Regulation (EU) 2015/830
  - Regulation (EC) No. 1272/2008 on the classification, labelling and packaging of substances and mixtures (CLP Regulation) applies in Europe
- 15.2 Chemical safety assessment
  - A REACH chemical safety assessment has not been carried out

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**SECTION 16: Other information**

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes.

Revision No. 6.0.0. Revised 05/07/17.

Changes made: Addition of classification as H290 and UN 3265

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:



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**SECTION 16: Other information (....)**

Met. Corr. 1, H290: Classification based on bridging principles of similar tested mixtures

Eye Dam. 1, H318: Classification based on calculation and concentration thresholds

Text not given with phrase codes where they are used elsewhere in this safety data sheet:

- H290: May be corrosive to metals
- H302: Harmful if swallowed
- H318: Causes serious eye damage

--- end of safety datasheet ---

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