



SAFETY DATA SHEET

1 Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier**

Product Name: **Stain and Scale Inhibitor**
Datasheet Number: SP625 1.0.0
Product Part Number: SP625
Chemical Name: Etidronic acid
CAS No.: 2809-21-4

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

Pool / spa treatment

1.3 Details of the supplier of the safety data sheet

Name of Supplier: Total Pool Chemicals Ltd
Address of Supplier: Unit 1, Pool Bank Business Park
High Street, Tarvin
Chester CH3 8JH
UK
Telephone: +44 (0)1829 740290
Fax: +44 (0)1829 741855
Responsible Person: Steve Carder
Email: sales@totalpool.co.uk

1.4 Emergency telephone number

+44 (0)1829 740290 (Office Hours)

2 Hazards identification**2.1 Classification of the substance or mixture**

- Classification (REGULATION (EC) No 1272/2008) [CLP/GHS]
- Eye Dam. 1, H318
- Classification (67/548/EEC, 1999/45/EC)
- Xi; R41
- Additional information: For full text of R-phrases and Hazard- and EU Hazard-statements: see section 16

2.2 Label elements

- Signal Word: Danger
- Symbols: GHS05

Hazard phrases

- Causes serious eye damage.

Precautionary Phrases

- Keep out of reach of children.
- Wear protective gloves/protective clothing/eye protection/face protection.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to



2 Hazards identification (....)

- do. Continue rinsing.
- If medical advice is needed, have product container or label at hand.
- Do not breathe dust/fume/gas/mist/vapours/spray.

2.3 Other hazards

- None

3 Composition/information on ingredients

3.1 Mixtures

Chemical Name	Concentration	CAS Number	EC Number	R/H Phrases*	Symbols	Index No.
Etidronic acid	30%	2809-21-4	220-552-8	H318 R41	GHS05 Xi	

*See Section 16

4 First aid measures

4.1 Description of first aid measures

- If substance has got into eyes, immediately wash out with plenty of water for at least 15 minutes
- IF ON SKIN: Wash with plenty of soap and water.
- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
- Get medical advice/attention.

4.2 Most important symptoms and effects, both acute and delayed

- No information available

4.3 Indication of immediate medical attention and special treatment needed

- Treat symptomatically

5 Fire-fighting measures

5.1 Extinguishing media

- In case of fire: use water, alcohol resistant foam or dry agent for extinction

5.2 Special hazards arising from the substance or mixture

- No information available
- See Section 10.6

5.3 Advice for firefighters

- Wear protective clothing as per section 8
- Wear Breathing Apparatus

6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- Ensure adequate ventilation. Avoid formation of dust. Keep ignition sources away - no smoking. Wear protective equipment. Keep unprotected persons away.
- Wear protective clothing as per section 8



6 Accidental release measures (....)

6.2 Environmental Precautions

- Do not allow to penetrate the ground/soil.
- Do not allow to enter public sewers and watercourses

6.3 Methods and material for containment and cleaning up

- Absorb spillage in inert material and shovel up
- Place in appropriate container
- Seal containers and label them
- Remove contaminated material to safe location for subsequent disposal

6.4 Reference to other sections

- See Section 7 & 8

7 Handling and storage

7.1 Precautions for safe handling

- Ensure adequate ventilation

7.2 Conditions for safe storage, including any incompatibilities

- Store in a well-ventilated place. Keep container tightly closed.
- Keep cool.
- Incompatible with strong oxidizing substances
- Protect from frost

7.3 Specific end use(s)

- No information available.

8 Exposure controls/personal protection

8.1 Control parameters

Etidronic acid

- No exposure limits have been set for this substance

8.2 Exposure controls

- Engineering controls should be provided to prevent the need for ventilation

Occupational exposure controls

- Wear suitable protective clothing, including eye/face protection and gloves (PVC are recommended)
- When handling this substance, e.g. sampling, wear goggles giving complete eye protection
- No respiratory protection is required



Gloves



Goggles



Suit

9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Odour: Perceptible odour
- Appearance: yellow, Liquid
- pH 2
- Boiling point - not known



9 Physical and chemical properties (....)

- Vapour pressure 23 hPa at 20 deg C
- Vapour density - not known
- Melting point - not known
- Completely soluble in water
- Fat solubility - not known
- Specific gravity 1.40 g/cm³
- Flash point - not known
- Evaporation rate - not known
- Viscosity - not known

9.2 Other information

- None

10 Stability and reactivity

10.1 Reactivity

- No information available

10.2 Chemical stability

- No information available

10.3 Possibility of hazardous reactions

- This article is not hazardous

10.4 Conditions to avoid

- Avoid contact with oxidising substances
- Avoid contact with acid

10.5 Incompatible materials

- Incompatible with strong oxidizing substances
- Incompatible with acid

10.6 Hazardous Decomposition Products

- Decomposition products may include phosphorous compounds

11 Toxicological information

11.1 Information on toxicological effects

- LD50 (oral, rat) >2000 mg/kg
- LD50 (dermal) : >5000 (rabbit) mg/kg

Inhalation

- No information available

Contact with skin

- Not hazardous

Contact with eyes

- Can cause damage to the eyes

Ingestion

- No information available

Carcinogenicity

- No evidence of carcinogenic effects



11 Toxicological information (....)

Teratogenicity

- No information available

Mutagenicity

- No information available

12 Ecological information

12 .1 Toxicity

- No information available

12 .2 Persistence and degradability

- No information available

12 .3 Bioaccumulation Potential

- Low bioaccumulation potential

12 .4 Mobility in soil

- No information available

12 .5 Results of PBT and vPvB assessment

- Not a PBT according to REACH Annex XIII

12 .6 Other Adverse Effects

- Water Hazard Class 1 (Company)

13 Disposal considerations

13 .1 Waste treatment methods

- Disposal should be in accordance with local, state or national legislation
- Do not discharge into drains or the environment, dispose to an authorised waste collection point

Classification

- The waste must be identified according to the List of Wastes (2000/532/EC)

14 Transport information



Corrosive

14.1 UN Number

3265

14.2 UN Proper Shipping Name

CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S (Etidronic acid)

14.3 Transport hazard class(es)

14.4 Packing group

III



14 Transport information (....)

14.5 Environmental hazards

- On available data, substance is not harmful to the environment

14.6 Special precautions for user

- See Section 7

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code

- Not applicable

Other information

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		

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

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

15 Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

- Refer to current CPL Regulations
- Refer to current EC Directive 82/501/EEC (the Seveso Directive)
- The List of Wastes (England) Regulations 2005 apply in the UK
- Refer to current ADR Regulations
- Refer to current IATA Regulations

15.2 Chemical Safety Assessment

16 Other information

Text of R and S phrase codes used in this safety data sheet:- H318: Causes serious eye damage.; R41: Risk of serious damage to eyes.

The statements made herein are based on our best present experience and are intended to describe product safety requirements. They should not therefore be considered as a warranty of specific properties.