



Safety Data Sheet

Legal Disclaimer

The information and recommendations in this publication are, to the best of our knowledge, information and belief, accurate at the date of publication. Nothing herein is to be construed as a warranty, express or implied. In all cases it is the responsibility of the users to determine the applicability of such information or the suitability of any products for their own particular purpose.

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Revision Date: 17.08.2009

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1. Identification of Products

Product Name: Guardex Spa Stain & Scale Away
Product Code: 20 35 591 011
Chemical name: 1-Hydroxyethylidene-1, 1 Diphosphonic Acid, Polymaleic Acid

Distributed by: Golden Coast Ltd | Fishleigh Road | Roundswell Commercial Park West | Barnstaple | Devon | EX31 3UA | Tel: 01271 378100 | e-mail: swimmer@goldenc.com

2. Composition

Substance: 1-hydroxyethylidene-1,1-diphosphonic acid
Weight %: 10-30
EC Number: 220-552-8
CAS Number: 2809-21-4
R Phrases: 41
Symbol: Xi
WEL: -

Substance: Polymaleic Acid
Weight %: <20
EC Number: N/A
CAS Number: 26099-09-2
R Phrases: 36
Symbol: Xi
WEL: -

3. Hazard Identification

Risk of serious damage to eyes.



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4. First Aid Measures

Inhalation:

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

Skin contact:

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.

Eye contact:

Rinse the eye immediately with water. Continue to rinse for at least 15 minutes. Contact professional medical attention if irritation persists.

Ingestion:

DO NOT INDUCE VOMITING. Rinse mouth thoroughly. Get professional medical attention. NEVER GIVE ANYTHING BY MOUTH IF THE PERSON AFFECTED IS UNCONSCIOUS.

5. Fire Fighting Measures

Suitable extinguishing media:

Water spray, fog or mist. Powder, foam or CO₂.

Special Risks:

Emits toxic fumes under fire conditions.

Required special protective equipment for fire fighters:

Wear full protective clothing and self-contained breathing apparatus (SCBA).



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6. Accidental Release Measures

Personal precautions:

Wear appropriate personal protective clothing as detailed in section 8.

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

Handling:

DO NOT MIX WITH OTHER CHEMICALS. Mix only with water. Never add water to product. Always add product to water. Use clean dry dispensing equipment.

Storage:

Keep this product in its original container when not in use. Store in a cool, dry, well-ventilated area.



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8. Exposure Controls / Personal Protection

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 (type of gloves, etc):

Wear suitable chemical resistant gloves when handling this product. Rubber, neoprene or PVC.

Skin protection:

Avoid prolonged contact with skin by wearing appropriate clothing.

Eye protection:

Wear goggles or safety glasses with side shields when handling this product.

9. Physical and Chemical Properties

Physical state:	Liquid
Appearance:	Clear
Colour:	Orange
Odour:	Odourless
pH:	1.2-1.4
Solubility in water:	Miscible in water
Specific gravity:	1.45 gml-1



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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

Route of entry:

-

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)..



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12. Ecological Information

Ecotoxicity:

Acute toxicity: LC50 96 hr fish > 300
EC50 48 hr Daphnia >500

Chemical oxygen demand, COD 364,000 mg/l-1

Biological oxygen demand, BOD >2000 mg/l-1

Persistence and degradability:

Not readily biodegradable.

Other adverse effects:

This product may be toxic to fish and aquatic organisms. Keep product from entering waterways and watersheds.

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.



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14. Transport Information

UN No.:	UN3265
Proper shipping name (PSN), including any technical name:	Corrosive liquid, acidic, organic, N.O.S. (contains 1-hydroxyethylidene-1,1-diphosphonic Acid and polymaleic acid)
Class/Division:	8
Packing Group (if any):	III
Hazard ID No.:	80
EAC:	2X
IMDG CODE: Marine pollutant:	May be considered a marine pollutant.



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15. Regulatory Information

Product Name: Spa Stain & Scale Away

Symbol: Xi

Indication(s) of danger: Irritant

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.

S26: In case of contact with eyes, rinse immediately with water and seek medical advice.

S37/39: Wear suitable gloves and eye/face protection.

S45: In case of accident or if you feel unwell seek medical advice immediately (show the label where possible)

S29/56: Do not empty into drains; dispose of this material and its container at hazardous or special waste collection point

Applicable EU provisions and associated UK legislation:

The Chemical (Hazards Information & Packaging) Regulations 2002.



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16. Other Information

Recommended uses and restrictions:

No further information.

Further information sources:

No further information.

Sources of key data used to compile Safety Data Sheet.

Approved supply list. Approved carriage list, EH40, ACIGH tables.

Note:

This data sheet does not constitute a user's assessment of workplace risk as required by HSW act, COSHH, management of health and safety at work regulations, or other health and safety legislation.