

Material Safety Data Sheet

Golden Coast



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.

Creation Date 29.11.96

Revision Date 29.11.96

Revision Number 2

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1 PRODUCT NAME: BLUE CRYSTAL ALPHA

PRODUCT CODE: 20 12 560 010 1 ltr
20 12 560 050 5 ltr

Synonyms: Poly Quarternary Ammonium Compound and Hab Diol

2 COMPOSITION

| Preparation contains | % Conc | Classification | Risk | CAS | EINCES |
|---|-----------|----------------|------------------------|-----------|-----------|
| Polymeric quaternary ammonium chloride in aqueous solution. | | | | | |
| 2-bromo-2-nitropropane, 1,3 diol: | < 2% | Xn, N | R21,22,37,3 8,41,50 | 52-51-7 | 200-143-0 |
| Copper Sulphate: | < 10% | Xn | R22,36/38 | 7758-98-7 | 231-847-6 |

3 HAZARDS IDENTIFICATION

4

Adverse human health effects: No specific risk when handled in accordance with good occupation hygiene practice.

Physical and chemical hazards: No specific hazard under normal conditions of use.

Classification/Specific hazards: According to EEC criteria this product is not classified as a "hazardous preparation".

4 FIRST-AID MEASURES

Inhalation: Not specifically applicable.

Skin contact: Wash off skin with soap and water.

Eye contact: Immediately rinse with water for a long period with eyes open. Consult an eye specialist if necessary.

Ingestion: Consult a Doctor if necessary. If person is fully conscious, make him/her drink plenty of water. NEVER give an unconscious person a drink.

5 FIRE-FIGHTING MEASURES

Specific hazards: Aqueous liquid. Does not present any particular risk in the event of a fire.

Suitable extinguishers: Carbon Dioxide (CO₂). Water spray, Foam.

Not suitable: None to our knowledge. If there is a fire nearby use suitable extinguishing agents.

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As a quality assured company we reserve the right to alter and improve the specification of products as deemed necessary.
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6 ACCIDENTAL RELEASE MEASURES

| | |
|---------------------------------------|--|
| Personal precautions: | Avoid contact with skin and eyes. |
| Personal protective equipment: | Suitable protective clothing. Appropriate gloves. Safety glasses. For further information refer to Section 8 "Exposure Controls/Personal Protection" |
| Environmental precautions: | Do NOT discharge into drains or rivers. |
| Clean up procedure: | Recovery: Absorb the spillage with sand. Cleaning/Decontamination: Wash the floor with plenty of water. |

7 HANDLING AND STORAGE

Handling

Technical measures: Does not require any specific or particular measures.

Storage

Technical measures: Does not require any specific or particular technical measures.

Storage conditions - Recommended: Store in a cool area away from food, drinks and animal food stuffs, only in the original containers.

Incompatible products: Strong oxidising agents.

Packaging: Plastic drums.

Packaging materials - Recommended: Plastic materials.

Not suitable: Ordinary steel or stainless steel

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering measures: No specific measures are required provided the product is handled in accordance with the general rules of occupational hygiene and safety.

Personal protective equipment:

Hands: PVC Gloves.

Eyes: Safety spectacles with side shields.

Skin: Light overall.

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9 PHYSICAL AND CHEMICAL PROPERTIES

| | |
|--|---|
| Appearance - Physical state: | Liquid |
| Colour: | Green |
| Odour: | Weak |
| pH: | 5 - 6.5 (product as is). |
| Specific temperatures - Boiling: | Approximately 100° C |
| Flammability characteristics - Flash point: | > 100° C (Closed cup). |
| Oxidising properties: | Non oxidising material according to EEC criteria. |
| Solubility: | In water - Miscible (in all proportions). |
| Specific gravity: | Approximately 1.19 g/cm ³ |

10 STABILITY AND REACTIVITY

| | |
|--|--|
| Stability: | Stable under normal conditions of use. |
| Known hazardous reactions: | |
| Materials to avoid: | Strong oxidising agents. |
| Hazardous decomposition products: | On thermal decomposition (pyrolysis) releases - (Hydrochloric Acid) (Nitrogen oxides) (Carbon oxides (CO + CO ₂)). |

11 TOXICOLOGICAL INFORMATION

| | |
|------------------------|--|
| Acute toxicity: | LD50 skin (RAT) > 2000mg/kg LD50 oral (RAT) > 2000mg/kg |
| Local effects: | Repeated or prolonged contact may cause slight irritation to the skin. Slightly irritating to eyes. |

12 ECOLOGICAL INFORMATION

| | | |
|--|---|-------------------|
| Behaviour in the environment: | | |
| Expected behaviour of the product: | Ultimate destination of the product: | SOIL and SEDIMENT |
| Effects on the aquatic environment: | LC50 (Daphnia): 0.25 - 1 ppm. LC50 (Fish: Lepomis macrochirus) /96h: 1 - 2 ppm. LC50 (Fish: Salmo gairdneri) /96h: 1 - 2 ppm. | |

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13 DISPOSAL CONSIDERATION

Waste from residues: Dispose of materials or solid residues at a licensed site.
Disposal:
Contaminated packaging:
Decontamination/cleaning: Rinse with water.
Disposal: Re-cycle following cleaning or dispose of at an authorised site.
The users attention is drawn to the possible existence of local regulations regarding disposal.

14 TRANSPORT INFORMATION

INTERNATIONAL REGULATIONS:

Land:
Rail/Road (RID/ADR): NOT restricted.
Sea (IMO/IMDG): NOT restricted.
Air (ICAO-IATA): NOT restricted

NOTE: The above regulatory prescriptions are those valid on the date of publication of this sheet.

15 REGULATORY INFORMATION

Labelling: Mandatory labelling (self-classification) of hazardous preparations: Not applicable.
EEC regulations: No risk phrases.
Safety phrases: No safety phrases.

16 OTHER INFORMATION

This material is usually used for: Biocides for water treatment in particular, swimming pools.

DATE OF ISSUE: August 1995

THE INFORMATION IN THIS MATERIAL SAFETY DATA SHEET SHOULD BE PROVIDED TO ALL WHO WILL USE, HANDLE, STORE, TRANSPORT OR OTHERWISE BE EXPOSED TO THIS PRODUCT. THIS INFORMATION HAS BEEN PREPARED FOR THE GUIDANCE OF PLANT ENGINEERING, OPERATIONS AND MANAGEMENT AND FOR PERSONS WORKING WITH OR HANDLING THIS PRODUCT. THE MANUFACTURER BELIEVES THIS INFORMATION TO BE RELIABLE AND UP TO DATE AS OF THE DATE OF PUBLICATION, BUT MAKES NO WARRANTY THAT IT IS. ADDITIONALLY, IF THIS MATERIAL SAFETY DATA SHEET IS MORE THAN THREE YEARS OLD, YOU SHOULD CONTACT THE MANUFACTURER TO MAKE CERTAIN THAT THIS SHEET IS CURRENT.

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