

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: SUNSPOT SPA BROMINE TABLETS

PRODUCT CODE: 20 85 558 005

2 COMPOSITION

| Ingredients | CAS No | Content | R Phrases |
|------------------------------------|------------|-------------------|---------------|
| Bromo-chloro-5,5 dimethylhydantoin | 32718-18-6 | Approx. 94% BCDMH | 8-22-31 36/37 |

3 HAZARD IDENTIFICATION

- R-31 Contact with acid liberates a toxic gas
- R-8 Contact with combustible material may cause fire
- R-22 Harmful if swallowed

4 FIRST AID

SKIN

Remove excess powder and wash well with water for 15 minutes. If irritation develops obtain medical advice.

EYES

Rinse with water for at least 15 minutes. Obtain medical advice at once.

INGESTION

Seek medical attention. Do not induce vomiting. Do not drink alcohol. Drink at least 8 oz. of water (not to exceed 0.23 oz/lb. in a child).

INHALATION

N/K

5 FIRE-FIGHTING MEASURES

Suitable Extinguishing Media
Extinguishable media not to be used
Special Hazards

Special instructions

Water or foam
DO NOT use Ammonium Phosphate powder extinguisher.
Hydrogen bromide, bromine, hydrogen chloride and chlorine may be released in a fire fuelled by other materials
Wear self contained breathing apparatus resistant suit when tackling fires

Golden Coast Ltd

Fishleigh Road Roundswell Commercial Park West
Barnstaple Devon EX31 3UA
Tel: +44 (0)1271 378100 Fax: +44 (0)1271 371699
www.goldenc.com e-mail: swimmer@goldenc.com



As a quality assured company we reserve the right to alter and improve the specification of products as deemed necessary.
Registered in England and Wales 2420044 VAT Reg. No 540 4110 02



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6 ACCIDENTAL RELEASE MEASURES

Avoid breathing dust.

Isolate contaminated area and instruct others to keep away.

Use officially approved respirator with chemical cartridge suitable against chlorine and dust.

Sweep up spillages immediately, shovel into clean drums or plastic bags.

Avoid contact with water, other liquids and organic compounds.

Do not put into bins or skips

Dispose of in accordance with local regulations via an approved disposal contractor.

7 HANDLING AND STORAGE

Do not breath dust and avoid with skin and eyes. Use PPE as in Section 8.

Any damaged packages should be isolated and repaired.

Store in a cool, dry and well ventilated area.

Keep away from fire, heat and direct sunlight.

Keep out of reach of children and animals.

Keep away from incompatible materials as in Section 10.

8 EXPOSURE CONTROL/PERSONAL PROTECTION

Long Term Exposure Limit

1ppm (3mg/m³) 8HR TWA

Short Term Exposure Limit

3ppm (9mg/m³) 10 min reference period

Use local exhaust ventilation.

PPE

Respiratory

Mask in normal conditions. Otherwise use approved respirator with chemical cartridge suitable against chlorine and dusts.

Hand

Impermeable gloves and protective clothing.

Eye

Wear chemical splash goggles.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance

White crystalline solid or tablet form

Odour

Chlorine

Boiling Point/range

None

Melting Point/range

Approx. 225°C

pH (1% aqueous soln)

2.7 – 3.3

Solubility in water

10g/litre water @ 25°C

Flash point

None

Bulk density

0.95g/cm³

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10 STABILITY

Stable under normal conditions.

Decomposes above 225°C forming hazardous gasses.

Damp or slightly wet conditions should be avoided. (May gradually generate Nitrogen Trichloride)

Materials to avoid:- Organic materials, oils, grease, saw dust reducing agents, Nitrogen containing compounds, Sodium Hypochlorite, other oxidisers, acids and alkalis.

11 TOXICOLOGICAL INFORMATION

| | | |
|-----------------------|--|----------------------------|
| Toxicity | LD50 oral (rat) | 1000mg/kg (slightly toxic) |
| Route of entry | Inhalation, skin contact and ingestion | |
| Ingestion | Irritation and burning to gastrointestinal tract | |
| Skin and eyes | Irritation (Rabbit 24hr) Corrosive | |

12 ECOLOGICAL INFORMATION

Not available.

13 DISPOSAL CONSIDERATIONS

Substance Wastes resulting from the spillage or use of this material may be disposed of on site or at an approved disposal site. Disposal of this material should be carried out in accordance with Local and European Law

Containers Do not re-use empty containers. Triple rinse containers and offer for re-cycling, re-conditioning or puncture to be disposed of in an approved land-fill site.

14 TRANSPORT INFORMATION

| | |
|------------------------|-----------------------|
| Class | 5.1 |
| Number/Letters | 27 (b) |
| Hazard number | 50 |
| Material Number | 1479 |
| Comments | Oxidising agent (nos) |

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15 REGULATORY INFORMATION

Supply Label Details

Risk Phrases

Safety Phrases

EEC guidelines

8-22-31 36/37

8-26-41

16 OTHER INFORMATION

Glossary

PPE

N/A

N/K

- Personal Protective Equipment

- Not Available

- Not known

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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