



Material Safety Data Sheet

OMNI® SPA SANITISING TABLETS

Version: 1.1

Revision Date: 17.08.2011

Print Date: 16.11.2011

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product name: OMNI® SPA SANITISING TABLETS

Recreational Water Product

Product Use Description:

Company:

Supplier:

BioLab Australia Pty Ltd
Level 7, 435 King William St
Adelaide SA
5000
Australia
Telefax : 1800 656 408 or +61 8 8112 0999

Emergency telephone number:

+61 2 8014 4558

For additional emergency telephone numbers see section 16 of the Safety Data Sheet.

Prepared by:

Product Safety Department
(US) +1 866-430-2775

2. HAZARDS IDENTIFICATION

Classified according to the criteria of NOHSC.
HAZARDOUS SUBSTANCE. DANGEROUS GOODS.

Standard for the Uniform : Schedule 6
Scheduling of Medicines and
Poisons

R-phrases

R22: Harmful if swallowed.
R34: Causes burns.
R50: Very toxic to aquatic organisms.



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R31: Contact with acids liberates toxic gas.

S-phrases

S 1/2: Keep locked up and out of the reach of children.

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

S28: After contact with skin, wash immediately with plenty of water.

S36/37/39: Wear suitable protective clothing, gloves and eye/face protection.

S41: In case of fire and/or explosion do not breathe fumes.

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

S61: Avoid release to the environment. Refer to special instructions/ Safety data sheets.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature : Pure substance

Hazardous components

| Chemical Name | CAS-No. | Concentration |
|--|----------|---------------|
| 3-bromo-1-chloro-5,5-dimethylimidazolidine-2,4-dione | 126-06-7 | <= 100% |

4. FIRST AID MEASURES

General advice : For advice, contact a Poisons Information Centre (Phone: Australia 131 126 or New Zealand 0800 764 766) or a doctor at once.

Inhalation : Remove to fresh air.
If not breathing, give artificial respiration.
Call a physician or poison control centre immediately.

Skin contact : Remove contaminated clothing and shoes.
Rinse immediately with plenty of water for at least 15 minutes.
Call a physician or poison control centre immediately.

Eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
Remove contact lenses, if present, after 5 minutes, then continue rinsing eye.
Call a physician or poison control centre immediately.

Ingestion : Call a physician or poison control centre immediately.
Have person sip a glass of water if able to swallow.
DO NOT induce vomiting unless directed to do so by a physician or poison control center.
Do not give anything by mouth to a convulsing or unconscious person.



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Notes to physician

Treatment : Probable mucosal damage may contraindicate the use of gastric lavage.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media : Flood with large volumes of water.

Unsuitable extinguishing media : ABC powder
Dry chemical
Risk of violent reaction.

Special protective equipment for fire-fighters : In the event of fire, wear self-contained breathing apparatus.
Thoroughly decontaminate fire fighting equipment including all fire fighting wearing apparel after the incident.

Further information : In large fires fueled by other materials, this product may smolder for prolonged periods emitting a dense black smoke.
Do not let fire burn.

6. ACCIDENTAL RELEASE MEASURES

Environmental precautions : Do not flush into surface water or sanitary sewer system.

Methods for cleaning up : Using appropriate protective clothing and safety equipment, contain spilled material.
Do not add water to spilled material.
Using clean dedicated equipment, sweep and scoop all spilled material, contaminated soil, and other contaminated material and place into clean dry containers for disposal.
Do not close containers containing wet or damp material. They should be left open to disperse any hazardous gases that may form.

Additional advice : Do not use floor sweeping compounds to clean up spills.
Do not transport wet or damp material.
Treat recovered material as described in the section "Disposal considerations".

7. HANDLING AND STORAGE

Handling

Advice on safe handling : Strong oxidizing agent.
Avoid contact with skin, eyes and clothing.
Avoid breathing dust.
Avoid breathing vapors.



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Do not mix with other chemicals.
Mix only with water.
Never add water to this product.
Always add product to large quantities of water.
When using automatic feeding devices, always follow manufacturer's directions as to the proper addition of sanitizer product to brominators.
Use only clean and dry utensils.
Do not add this product to any dispensing devices containing remnants of any other product. Such use may cause a violent reaction leading to fire or explosion.
Contamination with moisture, organic matter or other chemicals may start a chemical reaction and generate heat, hazardous gas, possible fire and explosion.
In case of contamination or decomposition, do not reseal container.
If possible, isolate container in open air or well ventilated area.
Flood with large volumes of water.
Wash hands thoroughly with soap and water after handling and before eating, drinking or using tobacco.
Do not handle until all safety precautions have been read and understood.
Do not contaminate water, food or feed by storage or disposal or cleaning of equipment.

Storage

Requirements for storage areas and containers : Store in original container.
Keep containers tightly closed in a dry, cool and well-ventilated place.
Keep out of reach of children.
Keep away from animals.

Materials to avoid : Avoid contact with water on concentrated material in the container. Avoid contact with easily oxidizable material; ammonia, urea, or similar nitrogen containing compounds; inorganic reducing compounds; floor sweeping compounds; calcium hypochlorite; other swimming pool/spa chemicals in their concentrated form; alkalis. Avoid contact with all other chemicals.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

Engineering measures

Use with adequate ventilation.
Ensure that eyewash stations and safety showers are close to the workstation location.

Personal protective equipment

Respiratory protection : In the case of dust or aerosol formation use respirator with an approved filter.



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Hand protection : Wear rubber gloves.

Eye protection : Goggles
Safety glasses with side-shields

Hygiene measures : Wash contaminated clothing before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form : tablet

Colour : white

Odour : Faint Halogen.

Safety data

Flash point : Note: not applicable

Oxidizing properties : Note: Oxidizer

pH : 3.4 - 3.6
Note: (as aqueous solution), 0.1%, solution

Melting point/range : 120 - 148 °C
Note: Decomposes

Boiling point/boiling range : Note: not applicable

Vapour pressure : Note: not applicable

Density : 0.87 - 0.92 g/cm³

Water solubility : 1.5 g/l

Relative vapour density : Note: not applicable

10. STABILITY AND REACTIVITY

Conditions to avoid : Remarks: High temperatures.
Poor ventilation.
Contamination
Moisture/high humidity.

Materials to avoid : Remarks: Avoid contact with water on concentrated material in the container.



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Avoid contact with easily oxidizable material; ammonia, urea, or similar nitrogen containing compounds; inorganic reducing compounds; floor sweeping compounds; calcium hypochlorite; other swimming pool/spa chemicals in their concentrated form; alkalis. Avoid contact with all other chemicals.

- Hazardous decomposition products : Note: Hydrogen halides
Bromine
Chlorine
Carbon oxides
nitrogen oxides (NO_x)
- Thermal decomposition : 180 °C
- Hazardous reactions : Hazardous polymerisation does not occur.

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity : LD50: 578 mg/kg
Species: rat

Acute inhalation toxicity
3-bromo-1-chloro-5,5-
dimethylimidazolidine-2,4-
dione : LC50: 1.88 mg/l
Exposure time: 4 h
Species: rat

Acute dermal toxicity : LD50: > 2,000 mg/kg
Species: rabbit

Skin irritation : Species: rabbit
Result: Primary Irritation Index (PII) = 6.1
Classification: Corrosive
Remarks: Causes skin burns.
Direct contact with wet material or moist skin may cause severe irritation, pain and possibly burns.

Eye irritation : Species: rabbit
Classification: Corrosive
Remarks: Causes serious eye damage.

Sensitisation
3-bromo-1-chloro-5,5-
dimethylimidazolidine-2,4- : Result: Did not cause sensitization on laboratory animals.



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dione

CMR effects

3-bromo-1-chloro-5,5-dimethylimidazolidine-2,4-dione : Carcinogenicity: Animal testing did not show any carcinogenic effects.
Mutagenicity: Tests on bacterial or mammalian cell cultures did not show mutagenic effects.
Teratogenicity: No effects on or via lactation
Reproductive toxicity: No toxicity to reproduction

12. ECOLOGICAL INFORMATION

Toxicity to fish

3-bromo-1-chloro-5,5-dimethylimidazolidine-2,4-dione : LC50: < 1 mg/l
Exposure time: 96 h
Species: Fish

Further information on ecology

Additional ecological information : Very toxic to aquatic organisms.
Avoid release to the environment.

13. DISPOSAL CONSIDERATIONS

Product : In accordance with local and national regulations.
Contact with incompatible materials could cause a reaction or fire.

14. TRANSPORT INFORMATION

ADG

UN number : 3085
Description of the goods : OXIDIZING SOLID, CORROSIVE, N.O.S.
Proper technical name : (3-bromo-1-chloro-5,5-dimethylimidazolidine-2,4-dione)
Class : 5.1
Packing group : III
Hazchem Code : 1W

IATA

UN number : 3085
Description of the goods : Oxidizing solid, corrosive, n.o.s.



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Proper technical name (3-bromo-1-chloro-5,5-dimethylimidazolidine-2,4-dione)
Class : 5.1
Packing group : III

IMDG

UN number : 3085
Description of the goods : OXIDIZING SOLID, CORROSIVE, N.O.S.
Proper technical name (3-bromo-1-chloro-5,5-dimethylimidazolidine-2,4-dione)
Class : 5.1
Packing group : III
EmS Letter 1 : F-A
EmS Letter 2 : S-Q

Marine pollutant : yes
3-bromo-1-chloro-5,5-dimethylimidazolidine-2,4-dione

15. REGULATORY INFORMATION

Symbol(s) : C N
R-phrase(s) : R22 Harmful if swallowed.
R34 Causes burns.
R50 Very toxic to aquatic organisms.
R31 Contact with acids liberates toxic gas.
S-phrase(s) : S 1/2 Keep locked up and out of the reach of children.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S28 After contact with skin, wash immediately with plenty of water.
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
S41 In case of fire and/or explosion do not breathe fumes.
S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
S61 Avoid release to the environment. Refer to special instructions/ Safety data sheets.

National regulatory information

Standard for the Uniform : Schedule 6
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APVMA Registration number: 66019



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16. OTHER INFORMATION

Further information

Carechem24 International Worldwide Coverage - Chemtura Corporation

Emergency Phone Number

| | | |
|-----------------------|--|----------------------|
| Europe: | All European Countries | +44 (0) 1235 239 670 |
| Asia Pacific: | East / South East Asia – Regional Number | +65 3158 1074 |
| | Australia | +61 2801 44558 |
| | New Zealand | +64 9929 1483 |
| | China Taiwan | +86 10 5100 3039 |
| | Japan | +81 345 789 341 |
| | Indonesia | 00780 3011 0293 |
| | Malaysia | +60 3 6207 4347 |
| | Thailand | 001800 1 2066 6751 |
| | Korea | +65 3158 1285 |
| | Vietnam | +65 3158 1255 |
| | India | +65 3158 1198 |
| | Pakistan | +65 3158 1329 |
| | Philippines | +65 31581203 |
| | Sri Lanka | +65 3158 1195 |
| | Bangladesh | +65 3158 1200 |
| Middle East / Africa: | Arabic speaking countries | +44 (0) 1235 239 671 |
| | All other countries | +44 (0) 1235 239 670 |
| America | United States / Canada | 001866 928 0789 |
| Latin America: | Brazil | +55 113 711 9144 |
| | All other countries | +44 (0) 1235 239 670 |
| | Mexico | +52 555 004 87 63 |

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End of Safety Data Sheet