



# Material Safety Data Sheet

## Omni Spa Water Softener

Version: 1.0

Revision Date: 19.06.2011

Print Date: 16.11.2011

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

Product name: Omni Spa Water Softener

Water treatment chemical

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. NON-DANGEROUS GOODS.

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

#### R-phrases

R60: May impair fertility.

R61: May cause harm to the unborn child.

R36: Irritating to eyes.



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### S-phrases

- S53: Avoid exposure - obtain special instructions before use.
- S22: Do not breathe dust.
- S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- S35: This material and its container must be disposed of in a safe way.
- S36/37: Wear suitable protective clothing and gloves.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Hazardous components

Chemical Name	CAS-No.	Concentration
boric acid	10043-35-3	> 60%
aluminium sulfate	10043-01-3	< 10%
trisodium orthophosphate	7601-54-9	< 10%

#### Non-Hazardous components

Chemical Name	CAS-No.	Concentration
Non-Hazardous Components		< 10%

### 4. FIRST AID MEASURES

- Inhalation : Remove to fresh air.  
Get medical attention if irritation develops and persists.
- Skin contact : Wash off with soap and water.
- Eye contact : Immediately flush eye(s) with plenty of water.  
Get medical attention if irritation develops and persists.
- Ingestion : Do NOT induce vomiting.  
Rinse mouth with water.  
Obtain medical attention.
- Ingestion : For advice, contact a Poisons Information Centre (Phone: Australia 131 126 or New Zealand 0800 764 766) or a doctor at once.

### 5. FIRE-FIGHTING MEASURES



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Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Special protective equipment for fire-fighters : In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.

### 6. ACCIDENTAL RELEASE MEASURES

Personal precautions : Ensure adequate ventilation. Use personal protective equipment.

Environmental precautions : Do not contaminate water. Avoid release to the environment.

Methods for cleaning up : Pick up and arrange disposal without creating dust.

### 7. HANDLING AND STORAGE

#### Handling

Advice on safe handling : Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes and clothing. Avoid creating dust. Keep container closed when not in use.

#### Storage

Requirements for storage areas and containers : Keep containers tightly closed in a cool, well-ventilated place. Protect from moisture. Keep away from direct sunlight.

Materials to avoid : Alkalis., Oxidizing agents, Ammonia, Potassium, Acid anhydrides  
Other data : Stable under normal conditions.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Components with workplace control parameters

We are not aware of any national exposure limit.

#### Engineering measures

Use with adequate ventilation.



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### Personal protective equipment

- Respiratory protection : In the case of dust or aerosol formation use respirator with an approved filter.
- Hand protection : Impervious gloves
- Eye protection : Safety glasses with side-shields  
Tightly fitting safety goggles
- Skin and body protection : impervious clothing

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Appearance

- Form : crystalline
- Colour : white
- Odour : odourless

### Safety data

- Flash point : Note: Not combustible.
- Lower explosion limit : Note: no data available
- Upper explosion limit : Note: no data available
- pH : 4.2 - 4.6  
at 25 °C  
Note: 1% Solution
- Melting point/range : 87 °C
- Boiling point/boiling range : > 300 °C
- Vapour pressure : Note: no data available
- Relative density : 1.5
- Water solubility : 77 g/l  
at 20 °C  
Note: partly soluble

## 10. STABILITY AND REACTIVITY

- Conditions to avoid : Remarks: Water



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Materials to avoid : Remarks: Alkalis.  
Oxidizing agents  
Ammonia  
Potassium  
Acid anhydrides

Hazardous decomposition products : Note: Oxides of boron

### 11. TOXICOLOGICAL INFORMATION

Acute oral toxicity  
boric acid : LD50: 3,500 - 4,100 mg/kg  
Species: rat

aluminium sulfate : LD50: > 5,000 mg/kg  
Species: rat

Acute inhalation toxicity  
boric acid : LC50: > 2.0 mg/l  
Species: rat

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

Skin irritation  
boric acid : Remarks: Non-irritating to skin.

aluminium sulfate : Result: No skin irritation

Eye irritation : Remarks: Irritating to eyes.

Sensitisation  
boric acid : Remarks: Did not cause sensitization on laboratory animals.

#### Toxicology Assessment

CMR effects : Reproductive toxicity:  
Suspected of damaging fertility or the unborn child.



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Further information : There is no data available for this product.

### 12. ECOLOGICAL INFORMATION

Toxicity to fish  
aluminium sulfate : LC50: 37 mg/l  
Exposure time: 96 h

Species: Gambusia affinis (Mosquito fish)  
static test  
LC50: 33.9 mg/l  
Exposure time: 96 h

Species: Pimephales promelas (fathead minnow)  
flow-through test

Toxicity to daphnia and other aquatic invertebrates.  
aluminium sulfate : LC50: ca. 6.57 mg/l  
Exposure time: 48 h

Bioaccumulation  
aluminium sulfate : Remarks:  
Bioaccumulation is unlikely.

#### Further information on ecology

Additional ecological information : There is no data available for this product.  
Toxic to aquatic life.  
Harmful to aquatic life with long lasting effects.

### 13. DISPOSAL CONSIDERATIONS

Product : In accordance with local and national regulations.

### 14. TRANSPORT INFORMATION

**ADG**  
Not dangerous goods

**ADR**  
Not dangerous goods



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### IATA

Not dangerous goods

### IMDG

Not dangerous goods

### RID

Not dangerous goods

## 15. REGULATORY INFORMATION

Symbol(s)	: T	
R-phrases	: R60 R61 R36	May impair fertility. May cause harm to the unborn child. Irritating to eyes.
S-phrases	: S53 S22 S26  S35  S36/37	Avoid exposure - obtain special instructions before use. Do not breathe dust. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. This material and its container must be disposed of in a safe way. Wear suitable protective clothing and gloves.

### National regulatory information

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

### Other international regulations

#### Notification status

AICS : On the inventory, or in compliance with the inventory

NZIoC : On the inventory, or in compliance with the inventory

## 16. OTHER INFORMATION

### Further information



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### Carechem24 International Worldwide Coverage - Chemtura Corporation

#### Emergency Phone Number

<u>Europe:</u>	All European Countries	+44 (0) 1235 239 670
<u>Asia Pacific:</u>	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
<u>Middle East / Africa:</u>	Arabic speaking countries	+44 (0) 1235 239 671
	All other countries	+44 (0) 1235 239 670
<u>America</u>	United States / Canada	001866 928 0789
<u>Latin America:</u>	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