SAFETY DATA SHEET

BIOCIDE ITA


SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name: BIOCIDE ITA
Product number: BC-ITA

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses: Biocide

1.3. Details of the supplier of the safety data sheet

Supplier: Feedwater Limited
Tarran Way
Tarran Estate
Moreton
Wirral
CH46 4TU
Tel: 0151 606 0808
msds@feedwater.co.uk

1.4. Emergency telephone number

National emergency telephone number: National Chemical Emergency Centre - 01865 407333 (UK Only)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification

Physical hazards: Not Classified

Health hazards:
Skin Corr. 1B - H314
Eye Dam. 1 - H318
Skin Sens. 1 - H317

Environmental hazards:
Aquatic Chronic 3 - H412

Classification (67/548/EEC or 1999/45/EC)
C;R34. R43. R52/53.

2.2. Label elements

Pictogram

Signal word: Danger

Hazard statements
BIOCIDE ITA
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H412 Harmful to aquatic life with long lasting effects.
Precautionary statements
P260 Do not breathe vapour/spray.
P264 Wash contaminated skin thoroughly after handling.
P272 Contaminated work clothing should not be allowed out of the workplace.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P302+P352 IF ON SKIN: Wash with plenty of water.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER/doctor.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P362+P364 Take off contaminated clothing and wash it before reuse.
P501 Dispose of contents/container in accordance with national regulations.
P401 Store in accordance with national regulations.
Supplemental label information
BPR001 Use biocides safely. Always read the label and product information before use.
RCH002b For professional users only.
RCH004b Persons suffering from asthma, eczema or skin problems should avoid contact, including dermal contact, with this product.
Contains
METHYL-2H or METHYL-4 (3:1) Mixture of EC NO 220-239-6
2.3. Other hazards
Not applicable.
SECTION 3: Composition/information on ingredients
3.2. Mixtures
<table>
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<tr>
<th>MAGNESIUM NITRATE</th>
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<td>CAS number: 10377-60-3</td>
<td>EC number: 233-826-7</td>
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<tr>
<td>Ox. Liq. 3 - H272</td>
<td>Xi;R36/37/38. O;R8.</td>
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</table>
BIOCIDE ITA

METHYL-2H or METHYL-4 (3:1) Mixture of EC NO 220-239-6

CAS number: 55965-84-9   EC number: —
M factor (Acute) = 10   M factor (Chronic) = 1

1-5%

Classification
Acute Tox. 3 - H301
Acute Tox. 2 - H310
Acute Tox. 3 - H331
Skin Corr. 1B - H314
Eye Dam. 1 - H318
Skin Sens. 1 - H317
Aquatic Acute 1 - H400
Aquatic Chronic 1 - H410

Classification (67/548/EEC or 1999/45/EC)
T;R23/24/25 C;R34 R43 N;R50/53

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation
Move affected person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.

Ingestion
Never give anything by mouth to an unconscious person. Do not induce vomiting. Rinse mouth thoroughly with water. Get medical attention.

Skin contact
Remove affected person from source of contamination. Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues. Wash with polyethylene glycol 400 if available.

Eye contact
Remove affected person from source of contamination. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention.

4.2. Most important symptoms and effects, both acute and delayed

General information
None noted, however, the casualty should be transferred to hospital if any unusual adverse symptoms develop. May be destructive to tissue of mucous membranes and respiratory tract, eyes and skin.

4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor
No specific recommendations.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media
Extinguish with the following media: Water spray, fog or mist. Foam. Dry chemicals.

5.2. Special hazards arising from the substance or mixture

Specific hazards
Not relevant. No unusual fire or explosion hazards noted.

Hazardous combustion products
When heated, vapours/gases hazardous to health may be formed.

5.3. Advice for firefighters

Protective actions during firefighting
**BIOCIDE ITA**

Control run-off water by containing and keeping it out of sewers and watercourses. If risk of water pollution occurs, notify appropriate authorities. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

**Special protective equipment for firefighters**

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

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### SECTION 6: Accidental release measures

**6.1. Personal precautions, protective equipment and emergency procedures**

**Personal precautions**

Wear protective clothing as described in Section 8 of this safety data sheet.

**6.2. Environmental precautions**

Environmental precautions

Do not discharge into drains or watercourses or onto the ground. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body. Observe all national regulations.

**6.3. Methods and material for containment and cleaning up**

Methods for cleaning up

Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Flush contaminated area with plenty of water. Avoid the spillage or runoff entering drains, sewers or watercourses. For waste disposal, see Section 13.

**6.4. Reference to other sections**

Reference to other sections

For personal protection, see Section 8.

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### SECTION 7: Handling and storage

**7.1. Precautions for safe handling**

Usage precautions

Avoid spilling. Good personal hygiene procedures should be implemented. Do not get in eyes, on skin, or on clothing.

**7.2. Conditions for safe storage, including any incompatibilities**

Storage precautions

Store in tightly-closed, original container in a dry and cool place. Keep away from food, drink and animal feeding stuffs. Store under well-ventilated conditions at a temperature below 25°C. Only store in correctly labelled containers.

Storage class

Chemical storage.

**7.3. Specific end use(s)**

Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

Usage description

Use as directed by supplier

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### SECTION 8: Exposure Controls/personal protection

**8.1. Control parameters**

Occupational exposure limits

Ingredient comments

WEL = Workplace Exposure Limits

**8.2. Exposure controls**

Protective equipment
**Appropriate engineering controls**
Provide adequate general and local exhaust ventilation. Observe any occupational exposure limits for the product or ingredients. All handling should only take place in well-ventilated areas.

**Eye/face protection**
Wear chemical splash goggles. Personal protective equipment for eye and face protection should comply with European Standard EN166.

**Hand protection**
To protect hands from chemicals, gloves should comply with European Standard EN374. Wear protective gloves made of the following material: Nitrile rubber. Polyvinyl chloride (PVC). Polyethylene. Polyvinylidene chloride/polyethylene (PVDC/PE).

**Other skin and body protection**
Wear appropriate clothing to prevent any possibility of skin contact.

**Hygiene measures**
Provide eyewash station. Do not smoke in work area. Wash hands at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin.

**Respiratory protection**
No specific recommendations. Respiratory protection may be required if excessive airborne contamination occurs.

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**SECTION 9: Physical and Chemical Properties**

**9.1. Information on basic physical and chemical properties**

**Appearance**
Liquid.

**Colour**
Light (or pale). Blue. Green.

**Odour**
Characteristic.

**pH**
pH (concentrated solution): 3-5

**Relative density**
1.02 approx. @ °C

**Solubility(ies)**
Soluble in water.

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**9.2. Other information**

Other information
Not available.

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**SECTION 10: Stability and reactivity**

**10.1. Reactivity**
There are no known reactivity hazards associated with this product.

**10.2. Chemical stability**

**Stability**
Stable at normal ambient temperatures.

**10.3. Possibility of hazardous reactions**
Not known.

**10.4. Conditions to avoid**
Avoid excessive heat for prolonged periods of time.

**10.5. Incompatible materials**

Materials to avoid
BIOCIDE ITA

Strong oxidising agents.

10.6. Hazardous decomposition products
When heated, vapours/gases hazardous to health may be formed.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral
ATE oral (mg/kg)
4,855.08312491

Acute toxicity - dermal
ATE dermal (mg/kg)
10372.22303958

Acute toxicity - inhalation
ATE inhalation (dusts/mists mg/l)
36.78093276

Inhalation
Vapours/aerosol spray may irritate the respiratory system. Symptoms following overexposure may include the following:
Coughing.

Ingestion
May cause discomfort if swallowed.

Skin contact
Corrosive. Prolonged contact causes serious tissue damage. May cause sensitisation by skin contact.

Eye contact
Vapour or spray in the eyes may cause irritation and smarting.

SECTION 12: Ecological Information

Ecotoxicity
The product contains a substance which is harmful to aquatic organisms.

12.1. Toxicity

Acute toxicity - fish
LC₅₀, 96 hours: ~13.6 mg/l, Fish

Acute toxicity - aquatic invertebrates
EC₅₀, 48 hours: ~11 mg/l, Daphnia magna

Acute toxicity - aquatic plants
IC₅₀, 72 hours: ~0.70 mg/l, Algae

Acute toxicity - microorganisms
Bactericidal effect.

12.2. Persistence and degradability

Persistence and degradability
Expected to degrade in the environment

12.3. Bioaccumulative potential

The product does not contain any substances expected to be bioaccumulating.

12.4. Mobility in soil

Mobility
The product is soluble in water.

12.5. Results of PBT and vPvB assessment
**12.6. Other adverse effects**

Not known.

**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

**General information**

Waste is classified as hazardous waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Care should be taken when handling emptied containers that have not been thoroughly cleaned or rinsed out.

**Disposal methods**

Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Dispose of waste via a licensed waste disposal contractor.

**SECTION 14: Transport information**

**14.1. UN number**

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<tr>
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<td>1760</td>
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<tr>
<td>UN No. (ADN)</td>
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**14.2. UN proper shipping name**

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**14.3. Transport hazard class(es)**

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**Transport labels**

**14.4. Packing group**

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<tbody>
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<td>II</td>
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<tr>
<td>ADN packing group</td>
<td>II</td>
</tr>
</tbody>
</table>

**14.5. Environmental hazards**

Environmentally hazardous substance/marine pollutant
Yes.

14.6. Special precautions for user

EmS  
F-A, S-B

ADR transport category  
2

Emergency Action Code  
2X

Hazard Identification Number  
(ADR/RID)  80

Tunnel restriction code  
(E)

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU legislation

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

General information
Only trained personnel should use this material. Further details may be available from the supplier.

Key literature references and sources for data
REACH registered substances database Other safety data sheets relevant to individual chemical constituents within this product.

Revision date  
01/06/2015

Revision  
9

Supersedes date  
01/12/2012

SDS status  
Approved.

Risk phrases in full

R23/24/25 Toxic by inhalation, in contact with skin and if swallowed.

R34 Causes burns.

R35 Causes severe burns.

R36/37/38 Irritating to eyes, respiratory system and skin.

R43 May cause sensitisation by skin contact.

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R8 Contact with combustible material may cause fire.

Hazard statements in full
BIOCIDE ITA

H301 Toxic if swallowed.
H310 Fatal in contact with skin.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H331 Toxic if inhaled.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.

Disclaimer

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.