

**ECO STONE SHIELD
MOSS AND ALGAE REMOVER**

Compilation date: 10/07/2012
Revision No: 3

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. PRODUCT IDENTIFIER

Product name: Eco Stone Shield, Moss and Algae Remover

1.2. RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST

Use of substance / mixture: FOR PROFESSIONAL AND INDUSTRIAL USE ONLY. Water based disinfectant and cleaner.

1.3. DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

Company name: **ECO Stone Shield**
South Planks Farm
Garstang Road
Barton
Lancashire
PR3 5AB
United Kingdom

Tel: 0844 463 2711
Email: info@ecostoneshield.com

1.4. EMERGENCY TELEPHONE NUMBER

Emergency tel: 0844 463 2711

SECTION 2: HAZARDS IDENTIFICATION

2.1. CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

Classification under CHIP: This product has no classification under CHIP.

2.2. LABEL ELEMENTS

Label elements under CHIP:

Hazard symbols:

Safety phrases:

No significant hazard.
S2: Keep out of the reach of children.
S23: Do not breathe spray.
S24/25: Avoid contact with skin and eyes.
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S37/39: Wear suitable gloves and eye / face protection.
S46: If swallowed, seek medical advice immediately and show this container or label.

Note: The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

2.3. OTHER HAZARDS

Other hazards:

PBT:

Not applicable.
This substance is not identified as a PBT substance.

**ECO STONE SHIELD
MOSS AND ALGAE REMOVER**

Compilation date: 10/07/2012
Revision No: 3

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. HAZARDOUS INGREDIENTS

Hazardous ingredients:

ALKYL BENZYL AMMONIUM CHLORIDE 1-10%
EINECS: 270-325-2 CAS: 68424-85-1
[C] R34; [Xn] R21/22; [N] R50
TETRA-SODIUM ETHYLENEDIAMINE TETRA-ACETATE 1-10%
EINECS: 200-573-9 CAS: 64-02-8
[Xn] R22; [Xi] R41
ALKYL AMINE BETAINE 1-10%
EINECS: 266-368-1 CAS: 66455-29-6
[Xi] R36/38

SECTION 4. FIRST AID MEASURES

4.1. DESCRIPTION OF FIRST AID MEASURES

Skin contact: Wash immediately with plenty of soap and water.
Eye contact: Bathe the eye with running water for 15 minutes.
Ingestion: Wash out mouth with water.
Inhalation: Consult a doctor.

4.2. MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

Skin contact: There may be mild irritation at the site of contact.
Eye contact: There may be irritation and redness.
Ingestion: There may be irritation of the throat.
Inhalation: No symptoms.

SECTION 5. FIRE-FIGHTING MEASURES

5.1. EXTINGUISHING MEDIA

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

5.2. SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

Exposure hazards: In combustion emits toxic fumes. Water based product. Advice relates to dry residues after water has evaporated.

**ECO STONE SHIELD
MOSS AND ALGAE REMOVER**

Compilation date: 10/07/2012
Revision No: 3

SECTION 5. FIRE-FIGHTING MEASURES

5.3. ADVICE FOR FIRE-FIGHTERS

Advice for fire-fighters:

Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1. PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Personal precautions:

Refer to section 8 of MSDS for personal protection details. Turn leaking containers leak-side up to prevent the escape of liquid

6.2. ENVIRONMENTAL PRECAUTIONS

Environmental precautions:

Do not discharge into drains or rivers. Contain the spillage using bunding.

6.3. METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

Clean-up procedures:

Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

SECTION 7. HANDLING AND STORAGE

7.1. CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Storage conditions:

Store in cool, well ventilated area. Keep container tightly closed.

Suitable packaging:

No specific recommendations

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. CONTROL PARAMETERS

8.2. EXPOSURE CONTROLS

Engineering measures:

The floor of the storage room must be impermeable to prevent the escape of liquids.

Respiratory protection:

Respiratory protection not required.

Hand protection:

Protective gloves.

Eye protection:

Safety glasses. Ensure eye bath is to hand.

Skin protection:

Protective clothing.

**ECO STONE SHIELD
MOSS AND ALGAE REMOVER**

Compilation date: 10/07/2012
Revision No: 3

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

| | |
|-------------------------------|--------------------------------|
| State: | Liquid |
| Colour: | Orange-red |
| Odour: | Perfumed |
| Evaporation rate: | Slow |
| Oxidising: | Non-oxidising (by EC criteria) |
| Solubility in water: | Highly soluble |
| Also soluble in: | Ethanol. |
| Viscosity: | Non-viscous |
| Boiling point/range°C: | 100 |
| Melting point/range°C: | 0 |
| Flammability limits %: | lower: n/a upper: n/a |
| Flash point°C: | n/a |
| Auto flammability°C: | n/a |
| Vapour pressure: | n/a |
| Relative density: | 1.020 |
| pH: | 7.0 - 8.0 |
| VOC g/l: | 0 |

SECTION 10. STABILITY AND REACTIVITY

| | |
|-------------------------------|--|
| STABILITY: | Stable under normal conditions. |
| CONDITIONS TO AVOID: | Heat. |
| MATERIALS TO AVOID: | Strong oxidising agents. Strong acids. |
| HAZ. DECOMP. PRODUCTS: | In combustion emits toxic fumes. |

SECTION 11. TOXICOLOGICAL INFORMATION

| | |
|-------------------------------|--|
| HAZARDOUS INGREDIENTS: | ALKYL BENZYL AMMONIUM CHLORIDE ORL RAT LD50 398 mg/Kg TETRA-SODIUM ETHYLENEDIAMINE TETRA-ACETATE ORL RAT LD50 3030 mg/kg ALKYL AMINE BETAINE ORL RAT LD50 >2000 mg/kg |
| ROUTES OF EXPOSURE | Refer to section 4 of SDS for routes of exposure and corresponding symptoms. |

**ECO STONE SHIELD
MOSS AND ALGAE REMOVER**

Compilation date: 10/07/2012
Revision No: 3

SECTION 12. ECOLOGICAL INFORMATION

| | |
|---------------------------------------|--|
| ECOTOXICITY: | FLORABELLE ALGAE 72H IC50 20 mg/l DAPHNIA 48H EC50 >250 mg/l FISH 96H LC50 >1000 mg/l |
| HAZARDOUS INGREDIENTS: | ALKYL BENZYL AMMONIUM CHLORIDE DAPHNIA 48H EC50 0.02 mg/l FISH FATHEAD MINNOWS 96H LC50 0.85 mg/l TETRA-SODIUM ETHYLENEDIAMINE TETRA-ACETATE FISH FATHEAD MINNOWS 96H LC50 >100 mg/l |
| MOBILITY: | Readily absorbed into soil. Volatile. Soluble in water. |
| PERSISTENCE AND DEGRADABILITY: | Biodegradable. The surfactant(s) contained in this preparation complies (comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. |
| BIOACCUMULATIVE POTENTIAL: | No bioaccumulation potential. |
| OTHER ADVERSE EFFECTS: | Negligible ecotoxicity. |

SECTION 13. DISPOSAL CONSIDERATIONS

13.1. WASTE TREATMENT METHODS

| | |
|-------------------------------|---|
| Disposal of packaging: | Dispose of as normal industrial waste. Clean with water. |
| NB: | The user's attention is drawn to the possible existence of regional or national regulations regarding disposal. |

SECTION 14. TRANSPORT INFORMATION

| | |
|-------------------------|---|
| TRANSPORT CLASS: | Not classed as hazardous for transport. |
|-------------------------|---|

SECTION 15. REGULATORY INFORMATION

| | |
|------------------------|------------------------|
| HAZARD SYMBOLS: | No significant hazard. |
|------------------------|------------------------|

**ECO STONE SHIELD
MOSS AND ALGAE REMOVER**

Compilation date: 10/07/2012
Revision No: 3

SECTION 15. REGULATORY INFORMATION

SAFETY PHRASES:

S2: Keep out of the reach of children.
S23: Do not breathe spray.
S24/25: Avoid contact with skin and eyes.
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S37/39: Wear suitable gloves and eye / face protection.
S46: If swallowed, seek medical advice immediately and show this container or label.

NOTE:

The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

SECTION 16. OTHER INFORMATION

OTHER INFORMATION:

This safety data sheet is prepared in accordance with Regulation (EC) No 1907/2006.
All substances in this preparation are registered within EU/ EFTA countries under the REACH (EC) 1907/2006 (amended) regulations.
Custom commodity code (TARIC) 3402 90 90
Detergent Regulations EC648/2004, the product contains amongst other ingredients:-
Amphoteric surfactants <5%
Cationic surfactants <5%
EDTA salts <5%
Perfumes

IMPORTANT NOTE:

Risk phrases in this section below relate to the INDIVIDUAL COMPONENTS in the formulation when used at their FULL CONCENTRATIONS, and not at the reduced levels in the mixed product. See sections 2 and 15 for the calculated hazard and risk phrases for the blended product.
Risk phrases used in s.3: R34: Causes burns.
R21/22: Harmful in contact with skin and if swallowed.
R50: Very toxic to aquatic organisms.
R22: Harmful if swallowed.
R41: Risk of serious damage to eyes.
R36/38: Irritating to eyes and skin.

LEGAL DISCLAIMER:

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product. For professional and industrial use only.