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| **1** | **IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING** | |
| **1.1** | **Product identifier** |  |
|  | Product Name | Bio Blocks |
|  | Trade name | BB |
|  | CAS No. | n/a |
|  | EINECS No. | n/a |
| **1.2** | **Relevant identified uses of the substance or mixture and uses advised against** | |
|  | Identified use(s) | Biological urinal and channel block. |
| **1.3** | **Details of the supplier of the safety data sheet** | |
|  | Company Identification | Maclin Sourcing Solutions Ltd |
|  | Company Address | Unit A3 Risby Business Park, Newmarket Road, Risby, Suffolk, IP28 6RD |
|  | Telephone | 0044 (0) 1284 810887 |
|  | Fax | 0044 (0) 1284 810908 |
|  | E-Mail (competent person) | info@maclingroup.co.uk |
| **1.4** | **Emergency telephone number** |  |
|  | Emergency Phone No. | 0044 (0) 1284 810887 (office hours only) |
| **2** | **HAZARDS IDENTIFICATION** |  |
| **2.1** | **Classification of the substance or mixture** | Eye Dam.1 - H318 Causes serious eye damage |
|  |  | Skin irritation Cat.2 - H315 Causes skin irritation |
|  |  | Aqua Chronic 3; H412 |
| **2.1** | Regulation (EC) No. 1272/2008 | Classification according to Regulation (EC) No 1272/2008 (CLP) |
| **2.2** | **Label elements** |  |
| **2.2.1** | Label elements | According to Regulation (EC) No 1272/2008 (CLP) |
|  | GHS Product Identifier |  |
|  | Hazard pictogram(s) Reach |  |
|  | Signal word(s) Reach | Danger |
|  | Hazard statement(s) | H318 Causes serious eye damage |
|  |  | H315 Causes skin irritation |
|  |  | H412 Harmful to aquatic life with long lasting effects |
|  | Precautionary stattement(s) | P102 Keep out of reach of children |
|  |  | P280 Wear protective gloves/protective clothing/eye protection/face protection |
|  |  | P301+P312 IF SWALLOWED: call a POISON CENTRE or doctor/physician |
|  |  | if you feel unwell. |
|  |  | P305+P351+P338 IF IN EYES: Rinse cautiously with water for several |
|  |  | minutes. Remove contact lenses, if present and easy to do. Continue |
|  |  | rinsing. |
|  |  | P501 Dispose of contents/container to an appropriate loca waste system. |
|  | Contains/Detergent | See section 16.2 |
|  | labelling |  |

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| **3** | **COMPOSITION/INFORMATION ON INGREDIENTS** |

**3.2 Mixtures**

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| **Hazardous Ingredient(s):** | **EC Number** | **CAS NUMBER** | **%W/W** | **REACH Reg.**  **Number** | **CLP according to Regulation EC/1272/2008** |
| \*Benzenesulphonic acid mono C10-C13 Alkyl Derivs Sodium salts | 270-115-0 | 68411-30-3 | 15-25 | 01-2119489428-22- XXXX | Acute tox. 4; H302 Skin Irrit. 2; H315 Eye Dam. 1; H318 Aqua chron. 3; H412 |
| Perfume (Reportable ingredients as below) | N/A | Mixture | 1-5 |  | H332/H312/H302 |
| Limonene | 227-813-5 | 5989-27-5 | <0.1 | 01-2119529223-47-  xxxx | H226; H315; H317; H410 |
| 2,6-Octadien-1-ol, 3,7 dimethyl | 203-377-1 | 106-24-1 | <0.1 |  | Eye dam 1: H318 Sens. Skin cat 1; H317 |
| 2,6-Octadien-1-al, 3,7 dimethyl | 226-394-6 | 5392-40-5 | <0.1 |  | Eye dam 1; H318 Sens. Skin cat 1; H317 |
| \* See section 16.2 below. |  |  |  |  |  |
| **Non Hazardous Ingredient(s):** | **EC Number** | **CAS NUMBER** | **%W/W** |  |  |
| Sodium chloride | 231-598-3 | 7647-14-5 | >30 | 01-2119485491-33-  xxxx |  |
| Bacteria species (non pathogen) |  |  | <5 |  | count of 1.0 x 10^8 cfu/g |

1. **FIRST AID MEASURES**



## Description of first aid measures (Symptoms)

Inhalation Skin Contact Eye Contact Ingestion

Additional Information

## Description of first aid measures (Actions)

Inhalation

Skin Contact Eye Contact

# Ingestion:

Additional Information

With normal use should not present a hazard May cause irritation and an allergic reaction May cause serious eye irritation

May cause irritation to the mouth, throat and digestive tract Symptomatic treatment

If affected, remove to fresh air, keep warm and at rest. Obtain medical attention in severe cases.

Wash skin with soap and water. In severe cases obtain medical help. In case of contact, rinse immediately with plenty of water for at least 10-15 minutes. Obtain medical attention if irritation persists

Do not give anything by mouth to an unconscious person.

Wash out mouth with water and give copious amounts of water to drink. Do not induce vomiting. Obtain medical advice if patient unwell.

Always launder contaminated clothing before re-use

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| **5** | **FIRE-FIGHTING MEASURES** |

## Extinguishing media

Suitable Extinguishing Media

## Special hazards arising from the

Substance or mixture Exposure hazards

* 1. **Advice for fire-fighters** Special protective equipment for fire fighters

Product not flammable. Water spray, foam, dry powder or CO2 for surrounding fires.

In combustion emits toxic fumes

Full protective equipment including self-contained respiratory protection

**6**

**ACCIDENTAL RELEASE MEASURES**

## Personal precautions, protective equipment and emergency procedures

* 1. **Environmental precautions**
  2. **Methods and material for containment and cleaning up**
  3. **Reference to other sections**
  4. **Additional Information**

Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not attempt to take action without suitable protective clothing – see section 8 of SDS

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

Wearing gloves pick up blocks and return to tub.

Spillages will prove slippery if product gets wet

**7**

**HANDLING AND STORAGE**

## Precautions for safe handling

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

**7.2.1 Suitable packaging**

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

Avoid eye contact and prolonged skin contact Keep in original containers

Keep tightly closed when not in use Do not store below 5ºC or above 30ºC

**8**

**EXPOSURE CONTROLS / PERSONAL PROTECTION**

## 8.1 Control Parameters

Hazardous Ingredients NO OCCUPATIONAL LIMIT ASSIGNED

Workplace exposure limits Respirable dust

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| **State** | **8 hour TWA** | **15 min STEL** | **8 hour TWA** | **15 min Stel** |
|  |  |  |  |  |

## 8.2 Exposure Controls

Engineering measures

Respiratory Protection

Hand Protection

Eye Protection

Skin Protection

Not applicable

Not necessary under normal usage

Wear protective gloves (Butyl rubber or Polyvinyl chloride)

Wear safety goggles

Wear suitable protective overalls

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| **9** | **PHYSICAL AND CHEMICAL PROPERTIES** | |
| **9.1** | **Information on the basic physical and chemical properties** | |
|  | Form: | Solid (Blocks) |
|  | Odour: | Citrus |
|  | Colour: | Blue |
|  | Viscosity: | Not Applicable |
|  | pH (Value): | 8 Typical (1% Solution) |
|  | Density (g/ml): | Not Applicable |
|  | Boiling Point: | Not Applicable |
|  | Flash Point: | Not Applicable |
|  | Melting Point: | Not Applicable |
|  | Pour Point (Deg C): | Not Applicable |
|  | Auto Ignition Temp. | Not Applicable |
|  | Vapour Pressures: | Not Applicable |
|  | Solubility (water): | Dissolves |
|  | Solubility (other): | Not Applicable |
|  | Partition Coefficient: | Not Applicable |
|  | Flammable Limits: | Not Applicable |
|  | Oxidising Props. | Not Applicable |
| **9.2** | **Other information** |  |
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| **10** | **STABILITY AND REACTIVITY** |  |
| **10.1** | **Reactivity** | Not expected to be reactive. |
| **10.2** | **Chemical Stability** | Stable under normal conditions |
| **10.3** | **Possibility of hazardous reactions** | No polymerisation reaction expected |
| **10.4** | **Conditions to avoid** | Extremes of temperature and moisture |
| **10.5** | **Incompatible materials** | Disinfectants |
| **10.6** | **Hazardous decompostion products** | Burning produces Oxides of Carbon |

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| **11** | **TOXICOLOGICAL INFORMATION** |

## Information on toxicological effects Toxicity values

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| --- | --- | --- | --- | --- |
| **Route** | **Species** | **Test** | **Value** | **Units** |
| **ORAL** | **RAT** | **LD50** | 1020\* | mg/kg |
|  |  |  |  |  |
|  | **\*N.B. Values are for** | **100% Linear alkyl** | benzene Sulphonate |  |
|  |  |  |  |  |

**Relevant effects for mixture**

|  |  |  |
| --- | --- | --- |
| **Effect** | **Route** | **Basis** |
| **No data available** |  |  |
|  |  |  |
|  |  |  |

* 1. **Symptoms / Routes of exposure**

Skin contact Eye Contact Ingestion Inhalation

May cause slight/mild irritation to sensitive skin with prolonged contact. May produce an allergic reaction.

May cause serious eye irritation

May cause irritation to the mouth, throat and digestive tract. May also cause nausea.

Under normal use should not present a hazard (product is a block)

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| **12** | **ECOLOGICAL INFORMATION** |

## Toxicity

**Eco Toxicity values (Data for 100% LAS cited)**

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| --- | --- | --- | --- |
| **Species** | **Test** | **Value** | **Units** |
| **BLUE GILL SUNFISH** | **LC50, 96 H** | **1.67** | mg/l |
| **ALGAE (Pseudokircheneriella sub)** | **EC50, 96 H** | **29** | mg/l |

* 1. **Persistence and degradability**
  2. **Bioaccumulative potential**
  3. **Mobility in soil**
  4. **Results of PBT and vPvB assessment**
  5. **Other Adverse Effects**

The surfactant(s) used in this preparation comply(ies) with the biodegradability criteria as laid down in Regulation (EC) No 648/2004 on detergents.

Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

No bioaccumulation potential. Readily absorbed into soil

Does not contain PBT or vPvB substances. Negligible ecotoxicity.

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| **13** | **DISPOSAL CONSIDERATIONS** | | |  |
| **13.1** | **Waste treatment methods** | | |  |
|  | Disposal operations | |  | Dispose of in accordance with Local Authority Guidelines and Regulations |
|  | Disposal of packaging | |  | Dispose of in accordance with Local Authority Guidelines and Regulations |
| **NB: The users attention is drawn to the possible existance of regional or national regulations regarding disposal** | | | | |
| **14** | **TRANSPORT INFORMATION** | | |  |
| **14.1** | **UN Number** |  |  | Not regulated for transport |
| **14.2** | **UN Proper shipping name** | | |  |
| **14.3** | **Transport hazard class(es)** | | |  |
|  | **ARD/RID** | **:** | **Class** |  |
|  | **IMDG** | **:** | **Proper shipping name** |  |
|  | **IATA** | **:** | **Proper shipping name** |  |
| **14.4** | **Packing Group** |  |  |  |
| **14.5** | **Environmental hazards** | |  |  |
|  | Environmental hazardous | |  | No |
|  | Marine pollutant |  |  | No |
| **14.6** | **Special precautions for user** | | |  |
| **15** | **REGULATORY INFORMATION** | | |  |
|  | **This preparation was classified in compliance** | | | Regulation (EC) No 1907/2006 (REACH) and amendments thereof up to |
|  | **with the following directions and regulations** | | | and including Regulation (EU) No 453/2010. Regulation (EC) No 1272 of |
|  |  |  |  | the European Parliament and of the Council of 16 December 2008 on |
|  |  |  |  | classification, labelling and packaging of substances and mixtures. |
|  |  |  |  | None of the constituent ingredients are listed on the candidatate list of |
|  |  |  |  | Substances of Very High Concern for Authorization in accordance with |
|  |  |  |  | Article 59(10) of the REACH Regulation. |
|  | **other provisions** | | The regulatory information given above only indicates the principal regulations specifically applicable to | |
|  |  | | the product described in this 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 | |

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| regulations or provisions. | | |
| **15** | **REGULATORY INFORMATION (continued)** | |
| **15.2** | **chemical safety assesment** | A chemical safety assessment has not been carried out for the substance |
|  |  | or the mixture by the supplier. |
| **16** | **OTHER INFORMATION** |  |
| **16.1** | **Phrases used in Sections 2 and 3** | H226 Flammable liquid and vapour |
|  | Hazard Statements | H332/312/302 Harmful if inhaled, in contact with skin & if swallowed |
|  |  | H315 Causes skin irritation |
|  |  | H317 May cause an allergic skin reaction |
|  |  | H318 Causes serious eye damage |
|  |  | H332 Harmful if inhaled |
|  |  | H410 Very toxix to aquatic life with long lasting effects |
|  |  | H412 Harmful to aquatic life with long lasting effects |
| **16.2** | **Other information** | The Supplier of the LAS has declared "In preparations containing less |
|  |  | than 65% Sodium alkylbenzene sulphonate, the classification is "Xi - |
|  |  | Irritant" in respect to this substance. Preparations containing less than |
|  |  | 65% of the substance is toxicologically proved to be "not classified"" |
|  |  | Contains: Perfume ingredients - Citral, Geraniol, Limonene |
|  |  | May cause an allergic reaction. |
|  |  | Anionic surfactants 15-<30% |
|  | **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. | |
|  | It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements & local regulations | |
|  | This company shall not be held liable for any damage resulting from handling or from contact with the above product. | |