

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

#### 1.1. Product identifier

Product form : Mixture  
 Trade name : TOILET BOWL RIM HANGER - ASSORTED  
 Product code : XTBRHC  
 UFI Number : 75DS-31UE-E00J-USHW  
 Product group : Trade product

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

##### 1.2.1. Relevant identified uses

Main use category : Professional use  
 Industrial/Professional use spec : For professional use only  
 Use of the substance/mixture : Hanging rim block for cleaning and refreshment of toilet  
 In Citrus, Floral, Pine (forest) and Marine fragrances.

##### 1.2.2. Uses advised against

No additional information available

#### 1.3. Details of the supplier of the safety data sheet

Bio-Productions  
 72 Victoria Road  
 Burgess Hill - United Kingdom  
 T 0044 (0) 1444 244000 - F 0044 (0) 1444 244999  
[technical@bio-productions.com](mailto:technical@bio-productions.com) - [www.bio-productions.com](http://www.bio-productions.com)

#### 1.4. Emergency telephone number

Emergency number : 0044 (0) 1444 244000 (office hours only)

| Country        | Organisation/Company  | Address                           | Emergency number | Comment |
|----------------|---|-----------------------------------|------------------|---------|
| United Kingdom | National Poisons Information Service (Birmingham Centre)<br>City Hospital | Dudley Road<br>B18 7QH Birmingham | 0344 892 0111    |         |

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Skin corrosion/irritation, Category 2 H315  
 Serious eye damage/eye irritation, Category 1 H318  
 Sensitisation — Skin, Category 1 H317  
 Hazardous to the aquatic environment — Chronic Hazard, Category 3 H412

Full text of hazard classes and H-statements : see section 16

##### Adverse physicochemical, human health and environmental effects

Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage. Harmful to aquatic life with long lasting effects.

#### 2.2. Label elements

##### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



Signal word (CLP) :

Danger

Hazardous ingredients :

BENZENESULPHONIC ACID MONO C10 - 13 ALKYL DERIVS SODIUM SALTS; citral; (R)-p-mentha-1,8-diene, d-limonene

Hazard statements (CLP) :

H315 - Causes skin irritation  
 H317 - May cause an allergic skin reaction  
 H318 - Causes serious eye damage  
 H412 - Harmful to aquatic life with long lasting effects

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Precautionary statements (CLP) : P102 – Keep out of reach of children.  
P264 - Wash hands, forearms and face thoroughly after handling  
P280 - Wear protective gloves, protective clothing, eye protection, face protection  
P302+P352 - IF ON SKIN: Wash with plenty of water  
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, a doctor  
P321 - Specific treatment (see supplemental first aid instruction on this label)  
P332+P313 - If skin irritation occurs: Get medical advice/attention  
P501 - Dispose of contents/container to an approved waste disposal plant

Detergent Regulation: Labelling of contents Contains: Non-ionic surfactants 15-<30%. Perfume ingredients, Citral, d-Limonene

### 2.3. Other hazards

No additional information available

## SECTION 3: Composition/information on ingredients

### 3.1. Substance

Not applicable

### 3.2. Mixture

| Name  | Product identifier   | %       | Classification according to Regulation (EC) No. 1272/2008 [CLP]   |
|---|--|---------|---|
| BENZENESULPHONIC ACID MONO C10 - 13 ALKYL DERIVS SODIUM SALTS | (CAS No) 68411-30-3<br>(EC no) 270-115-0<br>(REACH-no) 01-2119489428-22                              | 10 - 30 | Acute Tox. 4 (Oral), H302<br>Skin Irrit. 2, H315<br>Eye Dam. 1, H318<br>Aquatic Chronic 3, H412                     |
| sodium carbonate  | (CAS No) 497-19-8<br>(EC no) 207-838-8<br>(EC index no) 011-005-00-2<br>(REACH-no) 01-2119485498-19  | 3 - 5   | Eye Irrit. 2, H319  |
| (R)-p-mentha-1,8-diene, d-limonene                            | (CAS No) 5989-27-5<br>(EC no) 227-813-5<br>(EC index no) 601-029-00-7                                | 0.1 - 3 | Flam. Liq. 3, H226<br>Skin Irrit. 2, H315<br>Skin Sens. 1, H317<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410 |
| citral  | (CAS No) 5392-40-5<br>(EC no) 226-394-6<br>(EC index no) 605-019-00-3<br>(REACH-no) 01-2119462829-23 | 0.1 - 1 | Skin Irrit. 2, H315<br>Skin Sens. 1, H317   |

#### Specific concentration limits:

| Name  | Product identifier  | Specific concentration limits       |
|---|---|-------------------------------------|
| BENZENESULPHONIC ACID MONO C10 - 13 ALKYL DERIVS SODIUM SALTS | (CAS No) 68411-30-3<br>(EC no) 270-115-0<br>(REACH-no) 01-2119489428-22 | (C >= 65) Acute Tox. 4 (Oral), H302 |

Full text of H-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general : If you feel unwell, seek medical advice (show the label where possible).  
First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.  
First-aid measures after skin contact : Wash skin with plenty of water.  
First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.  
First aid advice Ingestion : Do not give anything by mouth to an unconscious person. Wash mouth out with water, then drink plenty of water. Do NOT induce vomiting.

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

Symptoms/injuries after skin contact : Irritation. May cause an allergic skin reaction.  
Symptoms/injuries after eye contact : Serious damage to eyes.

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

Treat symptomatically.

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### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media : The product is not flammable. Use extinguishing agent suitable for surrounding fire. Water spray. Dry powder. Foam.

#### 5.2. Special hazards arising from the substance or mixture

Fire hazard : Not flammable.  
Hazardous decomposition products in case of fire : Toxic fumes may be released.

#### 5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

### SECTION 6: Accidental release measures

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

##### 6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes. Avoid breathing mist, spray, vapours.

##### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

#### 6.2. Environmental precautions

Avoid release to the environment.

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

Methods for cleaning up : Recover mechanically the product.  
Other information : Dispose of materials or solid residues at an authorized site.

#### 6.4. Reference to other sections

For further information refer to section 13.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment. Avoid breathing dust/fume/gas/mist/vapours/spray.  
Hygiene measures : Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

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

Storage conditions : Store in a well-ventilated place. Keep cool.

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

No additional information available

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

No additional information available

#### 8.2. Exposure controls

##### Appropriate engineering controls:

Ensure good ventilation of the work station.

##### Hand protection:

Protective gloves

##### Eye protection:

Safety glasses

##### Skin and body protection:

Wear suitable protective clothing

##### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

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### Environmental exposure controls:

Avoid release to the environment.

## SECTION 9: Physical and chemical properties

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

|   |  |
|---|--|
| Physical state                              | : Solid  |
| Appearance                                  | : Solid (Blocks).                                      |
| Colour                                      | : Assorted, Blue, Green, Pink and Yellow.              |
| Odour                                       | : Assorted, Citrus, Floral, Marine and Pine (forrest). |
| Odour threshold                             | : No data available                                    |
| pH  | : No data available                                    |
| pH solution                                 | : $\approx 8 (\geq 1)$ % solution                      |
| Relative evaporation rate (butyl acetate=1) | : No data available                                    |
| Melting point                               | : No data available                                    |
| Freezing point                              | : Not applicable                                       |
| Boiling point                               | : No data available                                    |
| Flash point                                 | : Not applicable                                       |
| Auto-ignition temperature                   | : Not applicable                                       |
| Decomposition temperature                   | : No data available                                    |
| Flammability (solid, gas)                   | : Non flammable.                                       |
| Vapour pressure                             | : No data available                                    |
| Relative vapour density at 20 °C            | : No data available                                    |
| Relative density                            | : Not applicable                                       |
| Solubility                                  | : Soluble in water.                                    |
| Log Pow                                     | : No data available                                    |
| Viscosity, kinematic                        | : Not applicable                                       |
| Viscosity, dynamic                          | : No data available                                    |
| Explosive properties                        | : No data available                                    |
| Oxidising properties                        | : No data available                                    |
| Explosive limits                            | : Not applicable                                       |

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

### 10.5. Incompatible materials

Strong acids. Strong bases.

### 10.6. Hazardous decomposition products

No additional information available

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Not classified

### BENZENESULPHONIC ACID MONO C10 - 13 ALKYL DERIVS SODIUM SALTS (68411-30-3)

|             |                         |
|-------------|-------------------------|
| LD50 oral   | 1080 mg/kg bodyweight   |
| LD50 dermal | > 2000 mg/kg bodyweight |

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| <b>sodium carbonate (497-19-8)</b>        |                         |
|---|-------------------------|
| LD50 oral                                 | 4090 mg/kg bodyweight   |
| LD50 dermal                               | > 2000 mg/kg bodyweight |
| LC50 inhalation rat (Dust/Mist - mg/l/4h) | 2300 mg/m <sup>3</sup>  |

| <b>citral (5392-40-5)</b> |                       |
|---------------------------|-----------------------|
| LD50 oral                 | 4960 mg/kg bodyweight |
| LD50 dermal               | 2250 mg/kg bodyweight |

|  |  |
|--|--|
| Skin corrosion/irritation                          | : Causes skin irritation.              |
| Serious eye damage/irritation                      | : Causes serious eye damage.           |
| Respiratory or skin sensitisation                  | : May cause an allergic skin reaction. |
| Germ cell mutagenicity                             | : Not classified                       |
| Carcinogenicity                                    | : Not classified                       |
| Reproductive toxicity                              | : Not classified                       |
| Specific target organ toxicity (single exposure)   | : Not classified                       |
| Specific target organ toxicity (repeated exposure) | : Not classified                       |
| Aspiration hazard                                  | : Not classified                       |

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : Harmful to aquatic life with long lasting effects.

| <b>BENZENESULPHONIC ACID MONO C10 - 13 ALKYL DERIVS SODIUM SALTS (68411-30-3)</b> |                                   |
|---|-----------------------------------|
| LC50 fish 1   | 1.67 mg/l                         |
| EC50 other aquatic organisms 1  | 2.9 mg/l EC50 waterflea (48 h)    |
| EC50 other aquatic organisms 2  | 127.9 mg/l IC50 algae (72 h) mg/l |
| EC50 72h algae (1)  | 29 mg/l                           |

| <b>sodium carbonate (497-19-8)</b> |                        |
|------------------------------------|------------------------|
| LC50 fish 1                        | 300 mg/l               |
| EC50 other aquatic organisms 1     | 265 mg/l               |
| EC50 other aquatic organisms 2     | IC50 algae (72 h) mg/l |

| <b>citral (5392-40-5)</b>      |                               |
|--------------------------------|-------------------------------|
| LC50 fish 1                    | 4.1 mg/l                      |
| EC50 other aquatic organisms 1 | 7 mg/l EC50 waterflea (48 h)  |
| EC50 other aquatic organisms 2 | 5 mg/l IC50 algae (72 h) mg/l |

### 12.2. Persistence and degradability

| <b>TOILET BOWL RIM HANGER - CITRUS</b> |  |
|--|--|
| Persistence and degradability          | The surfactant(s) contained in this preparation complies(comply) 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. |

### 12.3. Bioaccumulative potential

| <b>sodium carbonate (497-19-8)</b> |       |
|------------------------------------|-------|
| Log Pow                            | -6.19 |

| <b>citral (5392-40-5)</b> |      |
|---------------------------|------|
| Log Pow                   | 3.45 |

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

| <b>TOILET BOWL RIM HANGER - CITRUS</b> |  |
|--|--|
| Results of PBT assessment              | The product does not meet the PBT and vPvB classification criteria |

### 12.6. Other adverse effects

No additional information available

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### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

No additional information available

### SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

#### 14.1. UN number

|               |                  |
|---------------|------------------|
| UN-No. (ADR)  | : Not applicable |
| UN-No. (IMDG) | : Not applicable |
| UN-No. (IATA) | : Not applicable |
| UN-No. (ADN)  | : Not applicable |
| UN-No. (RID)  | : Not applicable |

#### 14.2. UN proper shipping name

|                             |                  |
|-----------------------------|------------------|
| Proper Shipping Name (ADR)  | : Not applicable |
| Proper Shipping Name (IMDG) | : Not applicable |
| Proper Shipping Name (IATA) | : Not applicable |
| Proper Shipping Name (ADN)  | : Not applicable |
| Proper Shipping Name (RID)  | : Not applicable |

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

##### ADR

|                                  |                  |
|----------------------------------|------------------|
| Transport hazard class(es) (ADR) | : Not applicable |
|----------------------------------|------------------|

##### IMDG

|                                   |                  |
|-----------------------------------|------------------|
| Transport hazard class(es) (IMDG) | : Not applicable |
|-----------------------------------|------------------|

##### IATA

|                                   |                  |
|-----------------------------------|------------------|
| Transport hazard class(es) (IATA) | : Not applicable |
|-----------------------------------|------------------|

##### ADN

|                                  |                  |
|----------------------------------|------------------|
| Transport hazard class(es) (ADN) | : Not applicable |
|----------------------------------|------------------|

##### RID

|                                  |                  |
|----------------------------------|------------------|
| Transport hazard class(es) (RID) | : Not applicable |
|----------------------------------|------------------|

#### 14.4. Packing group

|                      |                  |
|----------------------|------------------|
| Packing group (ADR)  | : Not applicable |
| Packing group (IMDG) | : Not applicable |
| Packing group (IATA) | : Not applicable |
| Packing group (ADN)  | : Not applicable |
| Packing group (RID)  | : Not applicable |

#### 14.5. Environmental hazards

|                               |  |
|-------------------------------|--|
| Dangerous for the environment | : No                                     |
| Marine pollutant              | : No                                     |
| Other information             | : No supplementary information available |

#### 14.6. Special precautions for user

##### - Overland transport

Not applicable

##### - Transport by sea

Not applicable

##### - Air transport

Not applicable

##### - Inland waterway transport

Not applicable

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### - Rail transport

Not applicable

### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Not applicable

## SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

#### 15.1.2. National regulations

No additional information available

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

Changes from Previous version:

- UFI number added in section 1.1
- P-Statements added in Section 2.2

Abbreviations and acronyms:

|       |   |
|-------|---|
| ADN   | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways   |
| ADR   | European Agreement concerning the International Carriage of Dangerous Goods by Road               |
| ATE   | Acute Toxicity Estimate   |
| BCF   | Bioconcentration factor   |
| CLP   | Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008                       |
| DMEL  | Derived Minimal Effect level  |
| DNEL  | Derived-No Effect Level   |
| DPD   | Dangerous Preparations Directive 1999/45/EC   |
| DSD   | Dangerous Substances Directive 67/548/EEC   |
| EC50  | Median effective concentration  |
| IARC  | International Agency for Research on Cancer   |
| IATA  | International Air Transport Association   |
| IMDG  | International Maritime Dangerous Goods  |
| LC50  | Median lethal concentration   |
| LD50  | Median lethal dose  |
| LOAEL | Lowest Observed Adverse Effect Level  |
| NOAEC | No-Observed Adverse Effect Concentration  |
| NOAEL | No-Observed Adverse Effect Level  |
| NOEC  | No-Observed Effect Concentration  |
| OECD  | Organisation for Economic Co-operation and Development  |
| PBT   | Persistent Bioaccumulative Toxic  |
| PNEC  | Predicted No-Effect Concentration   |
| REACH | Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006 |
| RID   | Regulations concerning the International Carriage of Dangerous Goods by Rai                       |
| SDS   | Safety Data Sheet   |
| STP   | Sewage treatment plant  |
| TLM   | Median Tolerance Limit  |
| vPvB  | Very Persistent and Very Bioaccumulative  |

Full text of H- and EUH-statements:

|                     |   |
|---------------------|---|
| Acute Tox. 4 (Oral) | Acute toxicity (oral), Category 4                                 |
| Aquatic Acute 1     | Hazardous to the aquatic environment — Acute Hazard, Category 1   |
| Aquatic Chronic 1   | Hazardous to the aquatic environment — Chronic Hazard, Category 1 |
| Aquatic Chronic 3   | Hazardous to the aquatic environment — Chronic Hazard, Category 3 |
| Eye Dam. 1          | Serious eye damage/eye irritation, Category 1                     |

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|               |  |
|---------------|--|
| Eye Irrit. 2  | Serious eye damage/eye irritation, Category 2        |
| Flam. Liq. 3  | Flammable liquids, Category 3                        |
| Skin Irrit. 2 | Skin corrosion/irritation, Category 2                |
| Skin Sens. 1  | Sensitisation — Skin, Category 1                     |
| H226          | Flammable liquid and vapour                          |
| H302          | Harmful if swallowed                                 |
| H315          | Causes skin irritation                               |
| H317          | May cause an allergic skin reaction                  |
| H318          | Causes serious eye damage                            |
| H319          | Causes serious eye irritation                        |
| 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    |

SDS EU (Reach Annex II) GREEN

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product*