

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 - FLORAL
 Product code : XTBRHF
 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

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 - 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) City Hospital | Dudley Road 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
 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. 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) : 

GHS05

Signal word (CLP) : Danger
 Hazardous ingredients : BENZENESULPHONIC ACID MONO C10 - 13 ALKYL DERIVS SODIUM SALTS
 Hazard statements (CLP) : H315 - Causes skin irritation
 H318 - Causes serious eye damage
 H412 - Harmful to aquatic life with long lasting effects
 Precautionary statements (CLP) : P264 - Wash hands, forearms and face thoroughly after handling
 P273 - Avoid release to the environment
 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

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| | |
|---|---|
| | 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 P362+P364 - Take off contaminated clothing and wash it before reuse P501 - Dispose of contents/container to an approved waste disposal plant |
| EUH-statements | : EUH208 - Contains Amyl cinnamal(122-40-7), Benzyl salicylate(118-58-1), Butylphenyl Methylpropional(80-54-6), Hexyl Cinnamic Aldehyde(101-86-0). May produce an allergic reaction |
| Detergent Regulation: Labelling of contents | Contains: Non-ionic surfactants 15-<30% |

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 (EC no) 270-115-0 (REACH-no) 01-2119489428-22 | 10 - 30 | Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 3, H412 |
| sodium carbonate | (CAS No) 497-19-8 (EC no) 207-838-8 (EC index no) 011-005-00-2 (REACH-no) 01-2119485498-19 | 3 - 5 | Eye Irrit. 2, H319 |
| Benzyl salicylate | (CAS No) 118-58-1 (EC no) 204-262-9 | 0.1 - 1 | Skin Sens. 1, H317 Aquatic Chronic 3, H412 |
| Hexyl Cinnamic Aldehyde | (CAS No) 101-86-0 (EC no) 202-983-3 (REACH-no) 01-2119533092-50 | 0.1 - 1 | Skin Sens. 1, H317 |
| Amyl cinnamal | (CAS No) 122-40-7 (EC no) 204-541-5 | 0.1 - 1 | Skin Sens. 1, H317 Aquatic Chronic 2, H411 |
| Butylphenyl Methylpropional | (CAS No) 80-54-6 (EC no) 201-289-8 (REACH-no) 01-2119485965-18 | 0.1 - 1 | Aquatic Chronic 2, H411 Skin Irrit. 2, H315 Skin Sens. 1, H317 Acute Tox. 4 (Oral), H302 Repr. 2, H361f |

Specific concentration limits:

| Name | Product identifier | Specific concentration limits |
|---|---|-------------------------------------|
| BENZENESULPHONIC ACID MONO C10 - 13 ALKYL DERIVS SODIUM SALTS | (CAS No) 68411-30-3 (EC no) 270-115-0 (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. |
| 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. Carbon dioxide.

5.2. Special hazards arising from the substance or mixture

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.

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 : Take up liquid spill into absorbent material.

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.

Hygiene measures : Wash contaminated clothing before reuse. 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 | : Liquid |
| Colour | : pink. |
| Odour | : Floral. |
| Odour threshold | : No data available |
| pH | : No data available |
| pH solution | : $\approx 8 (\geq 1) \%$ |
| Relative evaporation rate (butyl acetate=1) | : No data available |
| Melting point | : Not applicable |
| Freezing point | : No data available |
| Boiling point | : No data available |
| Flash point | : No data available |
| Auto-ignition temperature | : No data available |
| Decomposition temperature | : No data available |
| Flammability (solid, gas) | : Not applicable |
| Vapour pressure | : No data available |
| Relative vapour density at 20 °C | : No data available |
| Relative density | : No data available |
| Solubility | : Soluble in water. |
| Log Pow | : No data available |
| Viscosity, kinematic | : No data available |
| Viscosity, dynamic | : No data available |
| Explosive properties | : No data available |
| Oxidising properties | : No data available |
| Explosive limits | : No data available |

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 of use.

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

Amyl cinnamal (122-40-7)

| | |
|-------------|-------------------------|
| LD50 oral | 3730 mg/kg bodyweight |
| LD50 dermal | > 2000 mg/kg bodyweight |

Hexyl Cinnamic Aldehyde (101-86-0)

| | |
|-------------|-------------------------|
| LD50 oral | > 2450 mg/kg bodyweight |
| LD50 dermal | > 3000 mg/kg bodyweight |

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| Hexyl Cinnamic Aldehyde (101-86-0) | |
|---|-------------------------|
| LC50 inhalation rat (Dust/Mist - mg/l/4h) | > 5000 mg/l/4h |
| Butylphenyl Methylpropional (80-54-6) | |
| LD50 oral | 1390 mg/kg bodyweight |
| LD50 dermal | > 5000 mg/kg bodyweight |
| BENZENESULPHONIC ACID MONO C10 - 13 ALKYL DERIVS SODIUM SALTS (68411-30-3) | |
| LD50 oral | 1080 mg/kg bodyweight |
| LD50 dermal | > 2000 mg/kg bodyweight |
| sodium carbonate (497-19-8) | |
| LD50 oral | 4090 mg/kg bodyweight |
| LD50 dermal | > 2000 mg/kg bodyweight |
| LC50 inhalation rat (Dust/Mist - mg/l/4h) | 2300 mg/m ³ |

| | |
|--|------------------------------|
| Skin corrosion/irritation | : Causes skin irritation. |
| Serious eye damage/irritation | : Causes serious eye damage. |
| Respiratory or skin sensitisation | : Not classified |
| 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.

| Amyl cinnamal (122-40-7) | |
|---|------------------------------------|
| LC50 fish 1 | 3 mg/l |
| EC50 other aquatic organisms 1 | 1.1 mg/l EC50 waterflea (48 h) |
| EC50 other aquatic organisms 2 | 1.89 mg/l IC50 algae (72 h) mg/l |
| Hexyl Cinnamic Aldehyde (101-86-0) | |
| LC50 fish 1 | 1.7 mg/l |
| EC50 other aquatic organisms 2 | > 0.32 mg/l IC50 algae (72 h) mg/l |
| Butylphenyl Methylpropional (80-54-6) | |
| LC50 fish 1 | 2.2 mg/l |
| EC50 other aquatic organisms 1 | 10.7 mg/l EC50 waterflea (48 h) |
| BENZENESULPHONIC ACID MONO C10 - 13 ALKYL DERIVS SODIUM SALTS (68411-30-3) | |
| 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 |
| sodium carbonate (497-19-8) | |
| 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 |

12.2. Persistence and degradability

| TOILET BOWL RIM HANGER - FLORAL | |
|--|--|
| 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

| sodium carbonate (497-19-8) | |
|------------------------------------|-------|
| Log Pow | -6.19 |

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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

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

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- Transport by sea

Not applicable

- Air transport

Not applicable

- Inland waterway transport

Not applicable

- 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

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 |
| CLP | Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008 |
| EC50 | Median effective concentration |
| IATA | International Air Transport Association |
| IMDG | International Maritime Dangerous Goods |
| LC50 | Median lethal concentration |
| LD50 | Median lethal dose |
| PBT | Persistent Bioaccumulative Toxic |
| 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 |
| vPvB | Very Persistent and Very Bioaccumulative |

Full text of H- and EUH-statements:

| | |
|---------------------|---|
| Acute Tox. 4 (Oral) | Acute toxicity (oral), Category 4 |
| Aquatic Chronic 2 | Hazardous to the aquatic environment — Chronic Hazard, Category 2 |
| Aquatic Chronic 3 | Hazardous to the aquatic environment — Chronic Hazard, Category 3 |
| Eye Dam. 1 | Serious eye damage/eye irritation, Category 1 |
| Eye Irrit. 2 | Serious eye damage/eye irritation, Category 2 |
| Repr. 2 | Reproductive toxicity, Category 2 |
| Skin Irrit. 2 | Skin corrosion/irritation, Category 2 |
| Skin Sens. 1 | Sensitisation — Skin, Category 1 |
| 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 |
| H361f | Suspected of damaging fertility |

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| | |
|--------|---|
| H411 | Toxic to aquatic life with long lasting effects |
| H412 | Harmful to aquatic life with long lasting effects |
| EUH208 | Contains . May produce an allergic reaction |

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