



**Safety Data Sheet**  
according to Regulation (EC) No. 1907/2006 (REACH)  
with its amendment Regulation (EU) 2015/830  
Product: Buzzy Soap Pads

Version: 1.00  
Date: 02/10/18

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

### 1.1 Product identifier

Product Name Buzzy Soap Pads

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

**Use of the substance/mixture** Scouring cleaner for washing and cleaning purposes.

**Relevant identified uses** SU21 Private households (+general public = consumers)  
PC35 Washing and Cleaning Products

**Uses advised against** Uses other than those identified are not recommended.

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

|                   |   |
|-------------------|---|
| Producer/Supplier | Buzzy UK LTD  |
| Address           | 40 Bloomsbury Way, WC1A 2SE United Kingdom, London, England |
| Telephone No.     | +44 738 826 5777  |
| email             | email: info@buzzy-uk.com                                    |

### 1.4 Emergency telephone number

|                         |                  |
|-------------------------|------------------|
| Emergency Telephone No. | +44 738 826 5777 |
|-------------------------|------------------|

## Section 2: Hazards identification

### 2.1 Classification of the substance or mixture

#### Classification according to Regulation (EC) No 1272/2008

Not classified as dangerous according to Classification Labelling Packaging Regulation No 1272/2008

### 2.2 Label elements

#### Labelling according to Regulation (EC) No 1272/2008

|                         |   |
|-------------------------|---|
| Hazard pictograms       | Not applicable  |
| Signal word             | Not applicable  |
| Hazard statement        | EUH208. Contains 2-methyl-2H-isothiazol-3-one; 1,2-benzisothiazol-3(2H)-one.<br>May produce an allergic reaction. |
| Precautionary statement | Not applicable  |

### 2.3 Other hazards

PBT: not relevant – no registration required

vPvB: not relevant – no registration required



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### Section 3: Composition/information on ingredients

#### 3.2 Mixtures

**Chemical nature** Aqueous mixture of fatty acid sodium salt.

#### Hazardous components

| Substance                                      | CAS No.<br>EU INDEX No.<br>EC No.<br>REACH Registration No.     | Concentration<br>(% w/w) | Classification according<br>Regulation (EC) No. 1272<br>[CLP]   | SCL and/or<br>M-factor  |
|--|---|--------------------------|---|---|
| Sodium Xylene Sulphonate                       | 1300-72-7<br>-----<br>215-090-9<br>01-2119513350-56-XXX         | 3,0 – 5,0                | Eye Irrit. 2, H319  |   |
| Sodium Nitrite                                 | 7632-00-0<br>007-010-00-4<br>231-555-9<br>01-2119471836-27-XXXX | 0,5 – 2,0                | Ox. Sol. 3, H272<br>Acute Tox. 3 (oral), H301<br>Eye Irrit. 2, H319<br>Aquatic Acute 1, H400  | M=1   |
| Sodium Hydroxide                               | 1310-73-2<br>011-002-00-6<br>215-185-5<br>01-2119457892-27-XXXX | 0,0 - 0,3                | Met. Corr. 1, H290<br>Skin Corr. 1A, H314<br><br>Eye Dam. 1, H318   | C ≥ 5 %<br>Skin Corr. 1A; H314:<br>2 % ≤ C < 5 %<br>Skin Corr. 1B; H314:<br>0,5 % ≤ C < 2 %<br>Skin Irrit. 2; H315:<br>0,5 % ≤ C < 2 %<br>Eye Irrit. 2; H319: |
| N-(3-Aminopropyl)-N-dodecylpropane-1,3-diamine | 2372-82-9<br>-----<br>219-145-8<br>01-2119980592-29-XXXX        | < 0,02                   | Acute Tox. 3; H301<br>Skin Corr. 1B; H314<br>STOT SE 2; H373<br>Aquatic Acute 1; H400<br>Aquatic Chronic 1; H410  |   |
| 1,2-Benzisothiazol-3(2H)-one                   | 2634-33-5<br>613-088-00-6<br>220-120-9<br>-----                 | < 0,02                   | Acute Tox. 4; H302<br>Skin Irrit. 2; H315<br>Eye Dam. 1; H318<br>Skin Sens. 1; H317<br><br>Aquatic Acute 1; H400<br>Aquatic Chronic 2; H411   | C ≥ 0,05 %<br>Skin Sens. 1; H317:   |
| 2-Methyl-2H-isothiazol-3-one                   | 2682-20-4<br>-----<br>220-239-6<br>-----                        | < 0,02                   | Acute Tox. 3; H301<br>Acute Tox. 3; H311<br>Acute Tox. 2; H330<br>Skin Sens. 1A; H317<br>Skin Corr. 1B; H314<br>STOT SE 3; H335<br>Aquatic Acute 1; H400<br>Aquatic Chronic 2; H411 |   |
| 1-amino-4-hydroxy-2-phenoxyanthraquinone       | 17418-58-5<br>-----<br>241-442-6<br>-----                       | 0,0042 - 0,0060          | Eye Irrit. 2, H319  |   |



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## Section 4: First aid measures

### 4.1 Description of first aid measures

|                         |  |
|-------------------------|--|
| General advice          | No special measures required.  |
| If inhaled              | No special requirements.   |
| In case of skin contact | Wash affected area with plenty of water.   |
| In case of eye contact  | Immediately irrigate with clean water for several minutes. Seek medical attention, if irritation persists.                       |
| If swallowed            | Do not induce vomiting. Wash out mouth with water, do not swallow. When in doubt or if symptoms persist, seek medical attention. |

### 4.2 most important symptoms and side effects, both acute and delayed

|          |  |
|----------|--|
| Symptoms | No significant symptoms are expected due to the non-classification of the product. |
|----------|--|

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

No supplementary information available

## Section 5: Fire-fighting measures

### 5.1 Extinguishing media

|                                 |                               |
|---------------------------------|-------------------------------|
| Suitable extinguishing media    | Powder, foam, carbon dioxide. |
| Extinguishing media inadvisable | Do not use water jet          |

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

|   |  |
|---|--|
| Hazardous thermal decomposition products              | May produce fumes of carbon monoxide and carbon dioxide on burning.                                    |
| Special hazards arising from the substance or mixture | Exposure to decomposition products may be a hazard to health.<br>In case of fire do not breathe fumes. |

### 5.3 Advice for fire fighters

|                              |   |
|------------------------------|---|
| Protection for fire fighters | Wear a self-contained breathing apparatus.<br>Wear suitable protective clothing and gloves. |
|------------------------------|---|

## 6 Section: Accidental release measures

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

|                             |                                  |
|-----------------------------|----------------------------------|
| For non-emergency personnel | No special precautions required. |
| For emergency responders    | No special precautions required. |

### 6.2 Environmental precautions

|                           |  |
|---------------------------|--|
| Environmental precautions | Minimize contamination of drains, surface and ground waters. |
|---------------------------|--|

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

|                         |   |
|-------------------------|---|
| Methods for cleaning up | Sweep or shovel up spillage and remove to a safe place. |
|-------------------------|---|

### 6.4 Reference to other sections

|                               |                 |
|-------------------------------|-----------------|
| Emergency telephone number    | See section 1.  |
| Personal protective equipment | See section 8.  |
| Waste disposal method         | See section 13. |



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## Section 7: Handling and storage

### 7.1 Precautions for safe handling

Protective measures Do not ingest. Avoid contact with eyes.  
Advice on general occupational hygiene No special precautions

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

Storage Store in original containers at room temperature and under dry conditions. Keep out of reach of children.

### 7.3 Specific end uses

Recommendations Not available

## Section 8: Exposure controls/Personal protection

### 8.1 Control parameters

#### 8.1.1. Components with workplace control parameters

| SUBSTANCE: SODIUM HYDROXIDE |                           |                   |                          |                   |  |
|-----------------------------|---------------------------|-------------------|--------------------------|-------------------|--|
| CAS No: 1310-73-2           |                           |                   |                          |                   |  |
| EC No.: 215-185-5           |                           |                   |                          |                   |  |
| Country                     | Limit value - Eight hours |                   | Limit value - Short term |                   | Source   |
|                             | ppm                       | mg/m <sup>3</sup> | ppm                      | mg/m <sup>3</sup> |  |
| Portugal                    |                           |                   |                          | 2 (1)             | Diário da República, 1.ª série - N.º 26 - 6 de fevereiro de 2012       |
| Spain                       |                           | 2                 |                          |                   | Límites de Exposición Profesional para Agentes Químicos en España 2017 |
| Remarks                     |                           |                   |                          |                   |  |
| Portugal                    | (1) Ceiling limit value   |                   |                          |                   |  |

### DNEL values

#### DNEL oral exposure – Consumer (mg/kg bw/day)

| Ingredient                                     | Short term - Local effects | Short term - Systemic effects | Long term - Local effects | Long term - Systemic effects |
|--|----------------------------|-------------------------------|---------------------------|------------------------------|
| Sodium Xylene Sulphonate                       | -                          | -                             | -                         | 3,8                          |
| Sodium Nitrite                                 | -                          | -                             | -                         | -                            |
| Sodium Sulphate                                | -                          | -                             | -                         | -                            |
| Sodium Hydroxide                               | -                          | -                             | -                         | -                            |
| N-(3-Aminopropyl)-N-dodecylpropane-1,3-diamine | -                          | -                             | -                         | 0,2                          |
| 1,2-Benzisothiazol-3(2H)-one                   | -                          | -                             | -                         | -                            |
| 2-Methyl-2H-isothiazol-3-one                   | -                          | -                             | -                         | -                            |



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**DNEL oral exposure – Worker (mg/kg bw)**

| Ingredient                                     | Short term - Local effects | Short term - Systemic effects | Long term - Local effects | Long term - Systemic effects |
|--|----------------------------|-------------------------------|---------------------------|------------------------------|
| Sodium Xylene Sulphonate                       | -                          | -                             | -                         | -                            |
| Sodium Nitrite                                 | -                          | -                             | -                         | -                            |
| Sodium Sulphate                                | -                          | -                             | -                         | -                            |
| Sodium Hydroxide                               | -                          | -                             | -                         | -                            |
| N-(3-Aminopropyl)-N-dodecylpropane-1,3-diamine | -                          | -                             | -                         | -                            |
| 1,2-Benzisothiazol-3(2H)-one                   | -                          | -                             | -                         | -                            |
| 2-Methyl-2H-isothiazol-3-one                   | -                          | -                             | -                         | -                            |

**DNEL inhalation exposure – Consumer (mg/m<sup>3</sup>)**

| Ingredient                                     | Short term - Local effects | Short term - Systemic effects | Long term - Local effects | Long term - Systemic effects |
|--|----------------------------|-------------------------------|---------------------------|------------------------------|
| Sodium Xylene Sulphonate                       | -                          | -                             | -                         | 13,2                         |
| Sodium Nitrite                                 | -                          | -                             | -                         | -                            |
| Sodium Sulphate                                | -                          | -                             | 12                        | 12                           |
| Sodium Hydroxide                               | -                          | -                             | -                         | -                            |
| N-(3-Aminopropyl)-N-dodecylpropane-1,3-diamine | -                          | -                             | -                         | 0,7                          |
| 1,2-Benzisothiazol-3(2H)-one                   | -                          | -                             | 1                         | -                            |
| 2-Methyl-2H-isothiazol-3-one                   | -                          | -                             | -                         | -                            |

**DNEL inhalation exposure – Worker (mg/m<sup>3</sup>)**

| Ingredient                                     | Short term - Local effects | Short term - Systemic effects | Long term - Local effects | Long term - Systemic effects |
|--|----------------------------|-------------------------------|---------------------------|------------------------------|
| Sodium Xylene Sulphonate                       | -                          | -                             | -                         | 53,6                         |
| Sodium Nitrite                                 | -                          | 2                             | -                         | 2                            |
| Sodium Sulphate                                | -                          | -                             | 20                        | 20                           |
| Sodium Hydroxide                               | -                          | -                             | 1                         | -                            |
| N-(3-Aminopropyl)-N-dodecylpropane-1,3-diamine | -                          | -                             | -                         | 2,35                         |
| 1,2-Benzisothiazol-3(2H)-one                   | -                          | -                             | -                         | -                            |
| 2-Methyl-2H-isothiazol-3-one                   | -                          | -                             | -                         | -                            |

**DNEL dermal exposure – Consumer (mg/kg bw/day)**

| Ingredient                                     | Short term - Local effects | Short term - Systemic effects | Long term - Local effects | Long term - Systemic effects |
|--|----------------------------|-------------------------------|---------------------------|------------------------------|
| Sodium Xylene Sulphonate                       | -                          | -                             | -                         | 3,8                          |
| Sodium Nitrite                                 | -                          | -                             | -                         | -                            |
| Sodium Sulphate                                | -                          | -                             | -                         | -                            |
| Sodium Hydroxide                               | -                          | -                             | -                         | -                            |
| N-(3-Aminopropyl)-N-dodecylpropane-1,3-diamine | -                          | -                             | -                         | 0,54                         |
| 1,2-Benzisothiazol-3(2H)-one                   | -                          | -                             | -                         | -                            |
| 2-Methyl-2H-isothiazol-3-one                   | -                          | -                             | -                         | -                            |



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**DNEL dermal exposure – Worker (mg/kg bw/day)**

| Ingredient                                     | Short term - Local effects | Short term - Systemic effects | Long term - Local effects | Long term - Systemic effects |
|--|----------------------------|-------------------------------|---------------------------|------------------------------|
| Sodium Xylene Sulphonate                       | -                          | -                             | -                         | 7,6                          |
| Sodium Nitrite                                 | -                          | -                             | -                         | -                            |
| Sodium Sulphate                                | -                          | -                             | -                         | -                            |
| Sodium Hydroxide                               | -                          | -                             | -                         | -                            |
| N-(3-Aminopropyl)-N-dodecylpropane-1,3-diamine | -                          | -                             | -                         | 0,91                         |
| 1,2-Benzisothiazol-3(2H)-one                   | -                          | -                             | -                         | -                            |
| 2-Methyl-2H-isothiazol-3-one                   | -                          | -                             | -                         | -                            |

**PNEC**

| Component                                      | PNEC type                          | Value          |
|--|------------------------------------|----------------|
| Sodium Xylene Sulphonate                       | PNEC aquatic, freshwater           | 0,23 mg/l      |
| Sodium Xylene Sulphonate                       | PNEC aquatic, intermittent release | 2,3 mg/l       |
| Sodium Xylene Sulphonate                       | PNEC sewage treatment plant        | 100 mg/l       |
| Sodium Nitrite                                 | PNEC aquatic, freshwater           | 0,0054 mg/l    |
| Sodium Nitrite                                 | PNEC aquatic, marine water         | 0,00616 mg/l   |
| Sodium Nitrite                                 | PNEC aquatic, intermittent release | 0,0054 mg/l    |
| Sodium Nitrite                                 | PNEC sediment, freshwater          | 0,0195 mg/kg   |
| Sodium Nitrite                                 | PNEC sediment, marine water        | 0,0223 mg/kg   |
| Sodium Nitrite                                 | PNEC soil                          | 0,000733 mg/kg |
| Sodium Nitrite                                 | PNEC sewage treatment plant        | 21 mg/l        |
| Sodium Sulphate                                | PNEC aquatic, freshwater           | 11,09 mg/l     |
| Sodium Sulphate                                | PNEC aquatic, marine water         | 1,109 mg/l     |
| Sodium Sulphate                                | PNEC sediment, freshwater          | 40,2 mg/kg     |
| Sodium Sulphate                                | PNEC sediment, marine water        | 4,02 mg/kg     |
| Sodium Sulphate                                | PNEC soil                          | 1,54 mg/kg     |
| Sodium Sulphate                                | PNEC sewage treatment plant        | 800 mg/l       |
| N-(3-Aminopropyl)-N-dodecylpropane-1,3-diamine | PNEC aquatic, freshwater           | 0,001 mg/l     |
| N-(3-Aminopropyl)-N-dodecylpropane-1,3-diamine | PNEC aquatic, marine water         | 0,0001 mg/l    |
| N-(3-Aminopropyl)-N-dodecylpropane-1,3-diamine | PNEC sediment, freshwater          | 8,5 mg/kg      |
| N-(3-Aminopropyl)-N-dodecylpropane-1,3-diamine | PNEC sediment, marine water        | 0,85 mg/kg     |
| N-(3-Aminopropyl)-N-dodecylpropane-1,3-diamine | PNEC soil                          | 45,34 mg/kg    |
| N-(3-Aminopropyl)-N-dodecylpropane-1,3-diamine | PNEC sewage treatment plant        | 1,33 mg/l      |





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## 8.2 Exposure controls

### Personal protective equipment

|                          |  |
|--------------------------|--|
| Eye/face protection      | No special requirements.   |
| Hand protection          | Rubber gloves are recommended.   |
| Respiratory protection   | No special requirements.   |
| Skin and body protection | Wash contaminated clothing before re-use.                              |
| Hygiene measures         | Handle in accordance with good industrial hygiene and safety practice. |

## Section 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### Appearance

|   |   |
|---|---|
| Physical state                                  | Mild steel soap pad impregnated with soap (solid at room temperature) |
| Colour  | Pink  |
| Odour   | Tallow odour.   |
| Odour threshold                                 | No data available.  |
| pH of soap<br>(4% aqueous solution)             | 10 – 10.5   |
| Melting point/boiling point                     | No data available.  |
| Initial melting point/ initial boiling<br>point | No data available.  |
| Flash point                                     | No data available.  |
| Evaporation rate                                | No data available.  |
| Flammability (solid, gas)                       | No data available.  |
| Upper/lower flammability or<br>explosive limits | No data available.  |
| Vapour pressure                                 | No data available.  |
| Vapour density                                  | No data available.  |
| Relative density                                | No data available.  |
| Solubilit(ies)                                  |   |
| Water soluble                                   | Soluble.  |
| Partition coefficient: n-<br>octanol/water      | No data available.  |
| Auto-ignition temperature                       | No data available.  |
| Decomposition temperature                       | No data available.  |
| Viscosity:                                      | Not applicable.   |
| Explosive properties                            | Not explosive.  |
| Oxidising properties                            | No data available.  |

### 9.2 Other information

## Section 10: Stability and reactivity

### 10.1 Reactivity

No hazardous reactions if stored at normal ambient temperatures.

### 10.2 Chemical stability

Under storage at normal ambient temperatures the product is stable.

### 10.3 Possibility of hazardous reactions



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No hazardous reactions if stored at normal ambient temperatures.



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#### 10.4 Conditions to avoid

Avoid humidity, see section 7.2.

#### 10.5 Incompatible materials to avoid

Strong oxidising agents.

#### 10.6 Hazardous decomposition products

Does not decompose when used for intended uses.

## Section 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute oral toxicity

| Component                                      | End Point | Value (mg/kg)     | Species            | Method                  | Exposure hours |
|--|-----------|-------------------|--------------------|-------------------------|----------------|
| Sodium Xylene Sulphonate                       | LD50      | >7200             | Rat - Male, Female | Method not given        |                |
| Sodium Nitrite                                 | LD50      | 180               | Rat                | Method not given        |                |
| Sodium Sulphate                                | LD50      | >2000             | Rat                | OECD 423                |                |
| Sodium Hydroxide                               |           | No data available |                    |                         |                |
| N-(3-Aminopropyl)-N-dodecylpropane-1,3-diamine | LD50      | 261               | Rat                | OECD Test Guideline 401 |                |
| 1,2-Benzisothiazol-3(2H)-one                   | LD50      | 1193              | Rat                | Method not given        |                |
| 2-Methyl-2H-isothiazol-3-one                   | LD50      | 120               | Rat                | Method not given        |                |

#### Acute dermal toxicity

| Component                                      | End Point | Value (mg/kg)     | Species        | Method           | Exposure hours |
|--|-----------|-------------------|----------------|------------------|----------------|
| Sodium Xylene Sulphonate                       | LD50      | >2000             | Rabbit         | Method not given |                |
| Sodium Nitrite                                 |           | No data available |                |                  |                |
| Sodium Sulphate                                |           | No data available |                |                  |                |
| Sodium Hydroxide                               |           | No data available |                |                  |                |
| N-(3-Aminopropyl)-N-dodecylpropane-1,3-diamine |           | No data available |                |                  |                |
| 1,2-Benzisothiazol-3(2H)-one                   | LD50      | 4115              | Rat            | Method not given |                |
| 2-Methyl-2H-isothiazol-3-one                   | LD50      | 242               | Rabbit, female | Method not given |                |

#### Acute inhalation toxicity

| Component                                      | End Point | Value (mg/l)      | Species | Method           | Exposure hours |
|--|-----------|-------------------|---------|------------------|----------------|
| Sodium Xylene Sulphonate                       | LD50      | >6.41             | Rabbit  | Method not given | 4              |
| Sodium Nitrite                                 |           | No data available |         |                  |                |
| Sodium Sulphate                                |           | No data available |         |                  |                |
| Sodium Hydroxide                               |           | No data available |         |                  |                |
| N-(3-Aminopropyl)-N-dodecylpropane-1,3-diamine |           | No data available |         |                  |                |
| 1,2-Benzisothiazol-3(2H)-one                   |           | No data available |         |                  |                |



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|                              |      |      |     |          |   |
|------------------------------|------|------|-----|----------|---|
| 2-Methyl-2H-isothiazol-3-one | LD50 | 0,11 | Rat | OECD 403 | 4 |
|------------------------------|------|------|-----|----------|---|

**Skin corrosion/irritation**

| Component                                      | Result              | Species | Method   | Exposure hours |
|--|---------------------|---------|----------|----------------|
| Sodium Xylene Sulphonate                       | Mild irritant       | Rabbit  | OECD 404 |                |
| Sodium Nitrite                                 | Not irritating      | Rabbit  | OECD 404 |                |
| Sodium Sulphate                                | Not irritating      |         | OECD 404 |                |
| Sodium Hydroxide                               | Causes severe burns |         |          |                |
| N-(3-Aminopropyl)-N-dodecylpropane-1,3-diamine | Causes severe burns | Rabbit  | OECD 404 |                |
| 1,2-Benzisothiazol-3(2H)-one                   | Irritating to skin  |         |          |                |
| 2-Methyl-2H-isothiazol-3-one                   | Corrosive           | Rabbit  |          |                |

**Serious eye damage/irritation**

| Component                                      | Result                         | Species | Method   | Exposure hours |
|--|--------------------------------|---------|----------|----------------|
| Sodium Xylene Sulphonate                       | Moderate irritating            | Rabbit  | OECD 405 |                |
| Sodium Nitrite                                 | Irritating to eyes             | Rabbit  | OECD 405 |                |
| Sodium Sulphate                                | No data available              |         |          |                |
| Sodium Hydroxide                               | Risk of serious damage to eyes |         |          |                |
| N-(3-Aminopropyl)-N-dodecylpropane-1,3-diamine | Causes serious eye damage      |         |          |                |
| 1,2-Benzisothiazol-3(2H)-one                   | Risk of serious damage to eyes |         |          |                |
| 2-Methyl-2H-isothiazol-3-one                   | Corrosive                      | Rabbit  |          |                |

**Respiratory or skin sensitisation**

| Component                                      | Result                                   | Species    | Method   | Exposure hours |
|--|--|------------|----------|----------------|
| Sodium Xylene Sulphonate                       | Not sensitising                          | Guinea pig | OECD 406 |                |
| Sodium Nitrite                                 | Not sensitising                          |            |          |                |
| Sodium Sulphate                                | Not sensitising                          |            |          |                |
| Sodium Hydroxide                               | Does not cause skin sensitisation        |            |          |                |
| N-(3-Aminopropyl)-N-dodecylpropane-1,3-diamine | Not sensitising                          | Guinea pig | OECD 406 |                |
| 1,2-Benzisothiazol-3(2H)-one                   | May cause sensitisation by skin contact. |            |          |                |
| 2-Methyl-2H-isothiazol-3-one                   | Causes sensitisation                     | Guinea pig |          |                |

**Germ cell mutagenicity**

| Component                | Result  | Method (in-vitro)  | Result   | Method (in-vivo)  |
|--------------------------|---|--|----------|---|
| Sodium Xylene Sulphonate | Negative  | EPA OPPTS OPPTS 870.5375 - In vitro mammalian chromosome aberration test | Negative | EPA OPPTS EPA OPPTS 870.5265 OECD 474 Mammalian Erythrocyte Micronucleus test |
| Sodium Nitrite           | The data available on mutagenic action are not consistent |  |          |   |
| Sodium Sulphate          | Not mutagenic in Ames Test                                | OECD 471   |          |   |



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|  |   |          |   |  |
|--|---|----------|---|--|
| Sodium Hydroxide                               | In vitro tests did not show mutagenic effects |          | In vivo tests did not show mutagenic effects. |  |
| N-(3-Aminopropyl)-N-dodecylpropane-1,3-diamine | Not mutagenic in Ames Test                    | OECD 471 |   |  |
| 1,2-Benzisothiazol-3(2H)-one                   | No data available                             |          |   |  |
| 2-Methyl-2H-isothiazol-3-one                   | Not mutagenic in Ames Test                    | OECD 471 |   |  |

**Carcinogenicity**

| Component                                      | Effects   |
|--|---|
| Sodium Xylene Sulphonate                       | Negative result in OECD 453 Combined Chronic Toxicity/Carcinogenicity Studies test.   |
| Sodium Nitrite                                 | In long-term studies in rats and mice in which the substance was given by drinking water, a carcinogenic effect was not observed. Under certain conditions nitrites can enhance the formation of nitrosamines in vivo. Nitrosamines are carcinogenic in animal studies. |
| Sodium Sulphate                                | No data available.  |
| Sodium Hydroxide                               | No data available. Study scientifically not necessary   |
| N-(3-Aminopropyl)-N-dodecylpropane-1,3-diamine | Animal testing did show any carcinogenic effects.   |
| 1,2-Benzisothiazol-3(2H)-one                   | No data available.  |
| 2-Methyl-2H-isothiazol-3-one                   | Did not show carcinogenic, teratogenic or mutagenic effects in animal experiments.  |

**Reproductive toxicity**

| Component                                      | Effects  |
|--|--|
| Sodium Xylene Sulphonate                       | In accordance with column 2 of Annex VII-X of Regulation (EC) No 1907/2006, the test for this property of the substance does not need to be conducted. |
| Sodium Nitrite                                 | The results of animal studies gave no indication of a fertility impairing effect.  |
| Sodium Sulphate                                | No impairment of fertility has been observed.  |
| Sodium Hydroxide                               | No data available.   |
| N-(3-Aminopropyl)-N-dodecylpropane-1,3-diamine | No toxicity to reproduction  |
| 1,2-Benzisothiazol-3(2H)-one                   | No data available.   |
| 2-Methyl-2H-isothiazol-3-one                   | No data available.   |

**STOT-Single Exposure**

| Component                                      | Affected organ(s)  |
|--|--------------------|
| Sodium Xylene Sulphonate                       | No data available. |
| Sodium Nitrite                                 | No data available. |
| Sodium Sulphate                                | No data available. |
| Sodium Hydroxide                               | No data available. |
| N-(3-Aminopropyl)-N-dodecylpropane-1,3-diamine | No data available. |
| 1,2-Benzisothiazol-3(2H)-one                   | No data available. |
| 2-Methyl-2H-isothiazol-3-one                   | No data available. |

**STOT- Repeated Exposure**

| Component                | Affected organ(s)   |
|--------------------------|---|
| Sodium Xylene Sulphonate | No data available.  |
| Sodium Nitrite           | After repeated administration the prominent effect is damage of the blood (methemoglobin formation) |
| Sodium Sulphate          | No data available.  |



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|  |  |
|--|--|
| Sodium Hydroxide                               | No data available.   |
| N-(3-Aminopropyl)-N-dodecylpropane-1,3-diamine | Kidney. May cause damage through prolonged or repeated exposure. |
| 1,2-Benzisothiazol-3(2H)-one                   | No data available.   |
| 2-Methyl-2H-isothiazol-3-one                   | No data available.   |



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## Section 12: Ecological information

### 12.1 Toxicity

#### Toxicity to Fish

| Component                                      | Test                       | Endpoint                                   | Exposure        | Result      | M factor                    |
|--|----------------------------|--|-----------------|-------------|-----------------------------|
| Sodium Xylene Sulphonate                       | EPA OPPTS EPA OTS 797.1400 | Acute LC50                                 | 96 hours static | >1000 mg/l  |                             |
| Sodium Nitrite                                 |                            | Acute LC50 (Rainbow Trout)                 | 96 hours        | 0,54 mg/l   |                             |
| Sodium Sulphate                                |                            | Acute LC50                                 | 96 hours        | 7,96 mg/l   |                             |
| Sodium Hydroxide                               |                            | Acute LC50                                 | 96 hours        | 33-189 mg/l |                             |
|  |                            | Acute LC50 (Rainbow Trout)                 | 96 hours        | 45.5 mg/l   |                             |
|  |                            | Acute LC50 Freshwater Fish (Mosquito Fish) | 96 hours        | 125 mg/l    |                             |
| N-(3-Aminopropyl)-N-dodecylpropane-1,3-diamine |                            | Acute LC50 (Bluegill sunfish)              | 96 hours        | 0,45 mg/l   | 10 (Acute aquatic toxicity) |
| 1,2-Benzisothiazol-3(2H)-one                   | OECD Test Guideline 201    | Acute LC50 (Rainbow Trout)                 | 96 hours        | 2,18 mg/l   | 1 (Acute aquatic toxicity)  |
| 2-Methyl-2H-isothiazol-3-one                   |                            | Acute LC50 (Rainbow Trout)                 | 96 hours        | 4,77 mg/l   | 1 (Acute aquatic toxicity)  |

#### Toxicity to daphnia and other aquatic invertebrates

| Component                                      | Test                       | Endpoint                         | Exposure        | Result          | M factor                     |
|--|----------------------------|----------------------------------|-----------------|-----------------|------------------------------|
| Sodium Xylene Sulphonate                       | EPA OPPTS EPA OTS 797.1300 | Acute EC50 (Freshwater Daphnids) | 48 hours static | >1000 mg/l      |                              |
| Sodium Nitrite                                 |                            | Acute EC50                       | 96 hours        | 4,93 mg/l       |                              |
|  |                            | Acute EC50 (Daphnia magna)       | 48 hours        | 15.4 mg/l       |                              |
|  |                            | Chronic NOEC (Daphnia magna)     |                 | 9.86 mg/l       |                              |
| Sodium Sulphate                                |                            | Chronic EC50                     | 7 days          | >8.080          |                              |
| Sodium Hydroxide                               |                            | Acute EC50 (Daphnia magna)       | 48 hours        | 40-240 mg/l     |                              |
| N-(3-Aminopropyl)-N-dodecylpropane-1,3-diamine |                            | Acute EC50 (Daphnia magna)       | 48 hours        | 0,073 mg/l      | 10 (Acute aquatic toxicity)  |
|  | OECD Test Guideline 211    | Chronic NOEC (Daphnia magna)     | 21 days         | 0,024 mg/l      | 1 (Chronic aquatic toxicity) |
| 1,2-Benzisothiazol-3(2H)-one                   | OECD Test Guideline 202    | Acute EC50 (Daphnia magna)       | 48 hours        | 2,94 mg/l       | 1 (Acute aquatic toxicity)   |
| 2-Methyl-2H-isothiazol-3-one                   |                            | Acute EC50 (Daphnia magna)       | 48 hours        | 0,93 - 1,9 mg/l | 1 (Acute aquatic toxicity)   |
|  | OECD Test Guideline 211    | Chronic NOEC (marine diatom)     | 21 days         | 0,04 mg/l       |                              |

#### Toxicity to algae

| Component                                      | Test                       | Endpoint                   | Exposure        | Result     | M factor                     |
|--|----------------------------|----------------------------|-----------------|------------|------------------------------|
| Sodium Xylene Sulphonate                       | EPA OPPTS EPA OTS 797.1050 | Acute EbC50 (biomass)      | 96 hours static | >230 mg/l  |                              |
|  | EPA OPPTS                  | Chronic NOEC               | 96 hours static | 31 mg/l    |                              |
| Sodium Nitrite                                 |                            | Acute EC50 (green algae)   | 72 hours        | >100 mg/l  |                              |
| Sodium Sulphate                                |                            | EC/LC50                    |                 | 1900 ml    |                              |
| Sodium Hydroxide                               | No data available          |                            |                 |            |                              |
| N-(3-Aminopropyl)-N-dodecylpropane-1,3-diamine | OECD Test Guideline 201    | Acute ErC10 (green algae)  | 72 hours        | 0,012 mg/l | 10 (Acute aquatic toxicity)  |
|  |                            | Chronic NOEC (green algae) | 72 hours        | 0,01 mg/l  | 1 (Chronic aquatic toxicity) |
| 1,2-Benzisothiazol-3(2H)-one                   | OECD Test Guideline 201    | Acute ErC50 (green algae)  | 72 hours        | 0,11 mg/l  | 1 (Acute aquatic toxicity)   |



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|                              |                         |                              |          |            |                            |
|------------------------------|-------------------------|------------------------------|----------|------------|----------------------------|
|                              | OECD Test Guideline 201 | Chronic NOEC (marine diatom) | 72 hours | 0,027 mg/l |                            |
| 2-Methyl-2H-isothiazol-3-one |                         | Acute EC50 (green algae)     | 72 hours | 0,158 mg/l | 1 (Acute aquatic toxicity) |

**12.2 Persistence and degradability**

**Component**

|  |  |
|--|--|
| Sodium Xylene Sulphonate                       | Readily biodegradable, according to appropriate OECD test., OECD Test Guideline 301B       |
| Sodium Nitrite                                 | Contains mainly inorganic substances which are not biodegradable.                          |
| Sodium Sulphate                                | Contains only inorganic substances which are not biodegradable.                            |
| Sodium Hydroxide                               | Contains only inorganic substances which are not biodegradable.                            |
| N-(3-Aminopropyl)-N-dodecylpropane-1,3-diamine | rapidly biodegradable, Biodegradation: 79 %, Exposure time: 28 d, OECD Test Guideline 301D |
| 1,2-Benzisothiazol-3(2H)-one                   | Readily biodegradable, according to appropriate OECD test., OECD Test Guideline 301B       |
| 2-Methyl-2H-isothiazol-3-one                   | biodegradable 2-methyl-2H-isothiazol-3-one: t1/2 aerobic = 0.38 - 1.4d                     |

**12.3 Bioaccumulative degradability**

**Component**

|  |  |
|--|--|
| Sodium Xylene Sulphonate                       | Partition coefficient: n-octanol/water log Pow -3,12                                     |
| Sodium Nitrite                                 | Does not bioaccumulate   |
| Sodium Sulphate                                | Partition coefficient: n-octanol/water log Pow -4,38<br>BCF 0,5                          |
| Sodium Hydroxide                               | Bioaccumulation is unlikely  |
| N-(3-Aminopropyl)-N-dodecylpropane-1,3-diamine | Bioaccumulation no data available<br>Partition coefficient: n-octanol/water log Pow -0,7 |
| 1,2-Benzisothiazol-3(2H)-one                   | Partition coefficient: n-octanol/water log Pow 1,3                                       |
| 2-Methyl-2H-isothiazol-3-one                   | Partition coefficient: n-octanol/water log Pow -0,486                                    |

**12.4 Mobility in soil**

**Component**

|  |  |
|--|--|
| Sodium Xylene Sulphonate                       | No data available.                               |
| Sodium Nitrite                                 | Soluble in water.                                |
| Sodium Sulphate                                | No data available.                               |
| Sodium Hydroxide                               | Soluble in water and may spread in water systems |
| N-(3-Aminopropyl)-N-dodecylpropane-1,3-diamine | After release, absorbs onto soil                 |
| 1,2-Benzisothiazol-3(2H)-one                   | No data available.                               |
| 2-Methyl-2H-isothiazol-3-one                   | No data available.                               |

**12.5 Results of PBT and vPvB assessment**

**Product**

This mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB)

**12.6 Other adverse effects**

No other adverse effects known.





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## Section 13: Disposal considerations

### 13.1 Waste treatment methods

Waste should not be disposed of by release into sewers.

#### 13.1.1 Waste code according to LoW

The suitable codes for the product are 17 04 05 and 20 01 30.  
Disposal should be in accordance with local, state or national legislation.

The suitable code for the packaging is 15 01 02.  
Disposal should be in accordance with local, state or national legislation.

## Section 14: Transport information

Land transport (ADR/RID), Sea transport (IMDG), Air transport (ICAO-TI / IATA-DGR)

|  |         |   |
|--|---------|---|
| 14.1 UN number:  |         | Non-dangerous goods.                            |
| 14.2 UN proper shipping name:  |         | Non-dangerous goods.                            |
| 14.3 Transport hazard class(es):   | Class:- | Non-dangerous goods.                            |
| 14.4 Packaging group:  |         | Non-dangerous goods.                            |
| 14.5 Environmental hazards:  |         | Non-dangerous goods.                            |
| 14.6 Special precaution for user:  |         | Non-dangerous goods.                            |
| 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: |         | The product is not transported in bulk tankers. |

## Section 15: Regulatory Information

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

#### Regulation

Regulation (EC) No. 1272/2008 (CLP) Contains 2-Methyl-2H-isothiazol-3-one; 1,2-Benzisothiazol-3(2H)-one.  
May produce an allergic reaction.

Detergent Regulation 648/2004/EC Labelling requirements in accordance with Annex VII.  
More than 30% Soap  
Less than 5% Anionic surfactant  
Also contains Laurylamine Dipropylenediamine, Benzisothiazolinone and Methylisothiazolinone.

### 15.2 Chemical Safety Assessment

Chemical Safety Assessment not required.

## Section 16: Other information

Full text of H-Statements referred to under sections 2 and 3

H272 May intensify fire; oxidiser.  
H290 May be corrosive to metals.



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|        |  |
|--------|--|
| H301   | Toxic if swallowed.  |
| H302   | Harmful if swallowed.  |
| H311   | Toxic in contact with skin   |
| H314   | Causes severe skin burns and eye damage.   |
| H315   | Causes skin irritation.  |
| H317   | May cause an allergic skin reaction.   |
| H318   | Causes serious eye damage.   |
| H319   | Causes serious eye irritation.   |
| H330   | Fatal if inhaled.  |
| H335   | May cause respiratory irritation.  |
| H373   | May cause damage to organs through prolonged or repeated exposure if swallowed.                        |
| H400   | Very toxic to aquatic life.  |
| H410   | Very toxic to aquatic life with long lasting effects.  |
| H411   | Toxic to aquatic life with long lasting effects.   |
| EUH208 | Contains 2-Methyl-2H-isothiazol-3-one; 1,2-Benzisothiazol-3(2H)-one. May produce an allergic reaction. |

**CLP hazard classes**

|                 |  |
|-----------------|--|
| Acute Tox.      | Acute toxicity                                     |
| Aquatic Acute   | Acute aquatic toxicity                             |
| Aquatic Chronic | Chronic aquatic toxicity                           |
| Eye Dam.        | Serious eye damage                                 |
| Eye Irrit.      | Eye irritation                                     |
| Met. Corr.      | Metal corrosion                                    |
| Ox. Sol.        | Oxidising solid                                    |
| Skin Corr.      | Skin corrosion                                     |
| Skin Irrit.     | Skin irritation                                    |
| Skin Sens.      | Skin sensitisation                                 |
| STOT RE         | Specific target organ toxicity – repeated exposure |
| STOT SE         | Specific target organ toxicity – single exposure   |

**Abbreviations and acronyms:**

|                 |   |
|-----------------|---|
| ADR             | Accord Européen Relatif au Transport International des Marchandises Dangereuses par Route (European Agreement Concerning the International Carriage of Dangerous Goods by Road; EU) |
| BCF             | BioConcentration Factor   |
| bw              | Body weight   |
| C               | Concentration   |
| CAS             | Chemical Abstracts Service  |
| CLP             | Regulation (EC) No 1272/2008 on the classification, labelling and packaging of substances and mixtures.   |
| DNEL            | Derived No Effect Level   |
| EbC50           | The concentration of test substance which results in a 50 percent reduction in biomass growth relative to the control within 72hrs exposure.  |
| EC No.          | Number of a substance in either EINECS, ELINCS or the NLP List.   |
| EC              | European Commission   |
| EC50            | 50% of maximal Effective Concentration  |
| ErC10           | The concentration of test substance which results in a 10 percent reduction in growth rate relative to the control within 72hrs exposure.   |
| ErC50           | The concentration of test substance which results in a 50 percent reduction in growth rate relative to the control within 72hrs exposure.   |
| EINECS          | European list of those substances considered to exist in the common market between 1 January 1971 and 18 September 1981.  |
| ELINCS          | European list of notified new substances.   |
| EPA OPPTS       | United States Environmental Protection Agency Office of Prevention, Pesticides and Toxic Substances. Guidelines published before April 22, 2010.                                    |
| EU              | European Union  |
| EU Index Number | The identification code given to a substance in CLP Annex VI, Part 3.   |
| EUH             | European Union supplementary hazard statement to the GHS classification system  |
| GHS             | UN Globally Harmonized System of Classification and Labeling of Chemicals   |
| IATA-DGR        | International Air Transport Association - Dangerous Goods Regulation  |
| IBC             | International Bulk Chemical Code, which sets out the international standards for the safe carriage, in bulk by sea, of dangerous chemicals and noxious liquid substances.           |



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|                   |  |
|-------------------|--|
| ICAO-TI           | International Civil Aviation Organization – Technical Instructions   |
| IMDG              | International Maritime Dangerous Goods Code  |
| LC50              | Lethal Concentration to 50% of a test population (Median Lethal Dose)  |
| LD50              | Lethal Dose to 50% of a test population (Median Lethal Dose)   |
| LoW               | List of Waste in accordance with the European List of Waste (Commission Decision 2000/532/EC) and Commission Regulation (EU) No 1357/2014 of 18 December 2014  |
| M                 | M-factor   |
| M-factor          | Multiplying factor for substances that are highly toxic to aquatic environment   |
| MARPOL            | Marine Pollution, International Convention for The Prevention of Pollution from Ships.   |
| NLP               | No-longer Polymers List is a European list of substances that were on the common market between 18 September 1981 and 31 October 1993 and at the time were regarded as polymers, but are no longer regarded as such. |
| mg/l              | milligram per litre  |
| mg/m <sup>3</sup> | milligram per cubic metre  |
| NOEC              | No Observable Effect Level   |
| OECD              | Organisation for Economic Co-operation and Development   |
| ppm               | Parts per million  |
| PBT               | Persistent, Bioaccumulative and Toxic  |
| PNEC              | Predicted No Effect Concentration  |
| Pow               | Octanol-water partition coefficient  |
| SCL               | Specific concentration limit   |
| REACH             | Registration, Evaluation, Authorisation and Restriction of Chemicals. Regulation (EC) No 1907/2006 concerning chemicals manufactured in or imported into the European Union.   |
| REACH No.         | REACH registration number, without supplier specific part.   |
| RID               | Règlement concernant le transport international ferroviaire des marchandises dangereuses. Regulation concerning the International Carriage of Dangerous Goods by Rail  |
| UN                | United Nations   |
| vPvB              | Very Persistent and very Bioaccumulative   |

**End of safety data sheet**