

# SAFETY DATA SHEET

according to Regulation (EU) 2015/830

## Elsan Blue toilet fluid

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

#### 1.1. Product identifier

|                                      |   |
|--------------------------------------|---|
| <b>Product name</b>                  | Elsan Blue toilet fluid                     |
| <b>Other means of identification</b> | +BLU02, +BLU04<br>+STA25, +STA200, +STA1000 |
| <b>Product code</b>                  | TF-01, TF-04                                |

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

|                    |  |
|--------------------|--|
| <b>Product Use</b> | [SU21] Consumer uses: Private households (= general public = consumers); [PC8] Biocidal products (e.g. Disinfectants, pest control); |
|--------------------|--|

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

|  |  |
|--|--|
| <b>Company</b>                               | Elsan Limited  |
| <b>Address</b>                               | Bellbrook Park,<br>Uckfield,<br>East Sussex TN22 1QF,<br>England |
| <b>Web</b>                                   | www.elsan.co.uk  |
| <b>Telephone</b>                             | +44 (0) 1825 748200  |
| <b>Fax</b>                                   | +44 (0) 1825 761212  |
| <b>Email</b>                                 | sales@elsan.co.uk  |
| <b>Email address of the competent person</b> | sales@elsan.co.uk  |

#### 1.4. Emergency telephone number

|                                   |  |
|-----------------------------------|--|
| <b>Emergency telephone number</b> | +44 (0) 1825 748200<br>9.00 am - 5.00 pm Mon - Fri |
|-----------------------------------|--|

### SECTION 2: Hazards identification

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

|   |   |
|---|---|
| <b>2.1.1. Classification - 67/548/EEC</b>   | Carc. Cat. 3; R40 T; R23/24/25 C; R34 R43<br>Symbols: T: Toxic.   |
| <b>Main hazards</b>                         | Toxic by inhalation, in contact with skin and if swallowed. Causes burns. Limited evidence of a carcinogenic effect. May cause sensitisation by skin contact. |
| <b>2.1.2. Classification - EC 1272/2008</b> | Acute Tox. 4: H302; Skin Irrit. 2: H315; Skin Sens. 1: H317; Eye Irrit. 2: H319; STOT SE 3: H335; Muta. 2: H341; Carc. 1B: H350;                              |

#### 2.2. Label elements

|                          |   |
|--------------------------|---|
| <b>Hazard pictograms</b> |  |
| <b>Signal Word</b>       | Danger  |

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## 2.2. Label elements

|  |   |
|--|---|
| <b>Hazard Statement</b>                    | Acute Tox. 4: H302 - Harmful if swallowed.<br>Skin Irrit. 2: H315 - Causes skin irritation.<br>Skin Sens. 1: H317 - May cause an allergic skin reaction.<br>Eye Irrit. 2: H319 - Causes serious eye irritation.<br>STOT SE 3: H335 - May cause respiratory irritation.<br>Muta. 2: H341 - Suspected of causing genetic defects .<br>Carc. 1B: H350 - May cause cancer . |
| <b>Precautionary Statement: Prevention</b> | P101 - If medical advice is needed, have product container or label at hand.<br>P102 - Keep out of reach of children.<br>P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.<br>P264 - Wash hands thoroughly after handling.<br>P280 - Wear protective gloves/protective clothing/eye protection/face protection.  |
| <b>Precautionary Statement: Response</b>   | P301+P312 - IF SWALLOWED: Call a POISON CENTER/doctor/ physician /if you feel unwell.<br>P302+P352 - IF ON SKIN: Wash with plenty of water/ soap and water.<br>P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  |
| <b>Precautionary Statement: Storage</b>    | P403+P233 - Store in a well-ventilated place. Keep container tightly closed.  |
| <b>Precautionary Statement: Disposal</b>   | P501 - Dispose of contents/container to accordance with local requirements on waste disposal  |

## SECTION 3: Composition/information on ingredients

## 3.1. Substances

## 67/548/EEC / 1999/45/EC

| Chemical Name                   | Index No.    | CAS No.    | EC No.    | REACH Registration Number | Conc. (%w/w) | Classification                            | M-factor. |
|---------------------------------|--------------|------------|-----------|---------------------------|--------------|---|-----------|
| C12-15 Pareth-11                |              | 68131-39-5 | 500-195-7 |                           | 1 - 10%      | Xn; R22 Xi; R41                           |           |
| Formaldehyde...% (Formaldehyde) | 605-001-00-5 | 50-00-0    | 200-001-8 |                           | 10 - 20%     | Carc. Cat. 3; R40 T; R23/24/25 C; R34 R43 |           |
| Methanol                        | 603-001-00-X | 67-56-1    | 200-659-6 |                           | 1 - 10%      | F; R11 T; R23/24/25-39/23/24/25           |           |
| Amyl Cinnamal                   |              | 122-40-7   | 204-541-5 |                           | 0 - 0.1%     | Xi; R43 N; R51/53                         |           |

## EC 1272/2008

| Chemical Name                   | Index No.    | CAS No.    | EC No.    | REACH Registration Number | Conc. (%w/w) | Classification  | M-factor. |
|---------------------------------|--------------|------------|-----------|---------------------------|--------------|---|-----------|
| C12-15 Pareth-11                |              | 68131-39-5 | 500-195-7 |                           | 1 - 10%      | Acute Tox. 4: H302; Eye Dam. 1: H318; Aquatic Chronic 3: H412;  |           |
| Formaldehyde...% (Formaldehyde) | 605-001-00-5 | 50-00-0    | 200-001-8 |                           | 10 - 20%     | Carc. 1B: H350; Muta. 2: H341; Acute Tox. 3: H331; Acute Tox. 3: H311; Acute Tox. 3: H301; Skin Corr. 1B: H314; Skin Sens. 1: H317; |           |
| Methanol                        | 603-001-00-X | 67-56-1    | 200-659-6 |                           | 1 - 10%      | Flam. Liq. 2: H225; Acute Tox. 3: H331; Acute Tox. 3: H311; Acute Tox. 3: H301; STOT SE 1: H370;                                    |           |
| Amyl Cinnamal                   |              | 122-40-7   | 204-541-5 |                           | 0 - 0.1%     | Skin Sens. 1: H317; Aquatic Chronic 2: H411;  |           |

## SECTION 4: First aid measures

## 4.1. Description of first aid measures

|                    |  |
|--------------------|--|
| <b>Inhalation</b>  | Harmful by inhalation. Irritating to respiratory system. Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system. Move the exposed person to fresh air. Seek medical attention. |
| <b>Eye contact</b> | Irritating to eyes. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.  |

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## 4.1. Description of first aid measures

|              |   |
|--------------|---|
| Skin contact | Irritating to skin. Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.   |
| Ingestion    | Harmful if swallowed. Ingestion is irritating to the respiratory tract and may cause damage to the central nervous system. Ingestion may cause nausea and vomiting. If swallowed, seek medical advice immediately and show this container or label. DO NOT INDUCE VOMITING. |

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

|              |   |
|--------------|---|
| Inhalation   | Coughing, difficulty in breathing and in severe cases, loss of consciousness. |
| Eye contact  | Irritating to eyes.   |
| Skin contact | Irritating to skin.   |
| Ingestion    | Ingestion may cause nausea and vomiting.                                      |

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

|              |                         |
|--------------|-------------------------|
| Inhalation   | Seek medical attention. |
| Eye contact  | Seek medical attention. |
| Skin contact | Seek medical attention. |
| Ingestion    | Seek medical attention. |

## General information

|  |   |
|--|---|
|  | Consult a physician. Show this safety data sheet to the doctor in attendance. |
|--|---|

## Further information

|  |                                      |
|--|--------------------------------------|
|  | No additional information available. |
|--|--------------------------------------|

## SECTION 5: Firefighting measures

## 5.1. Extinguishing media

|  |   |
|--|---|
|  | Carbon dioxide (CO <sub>2</sub> ). Dry chemical. Foam. Use extinguishing media appropriate to the surrounding fire conditions. Water spray. |
|--|---|

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

|  |   |
|--|---|
|  | Burning produces irritating, toxic and obnoxious fumes. |
|--|---|

## 5.3. Advice for firefighters

|  |   |
|--|---|
|  | Wear suitable respiratory equipment when necessary. |
|--|---|

## Further information

|  |                                      |
|--|--------------------------------------|
|  | No additional information available. |
|--|--------------------------------------|

## SECTION 6: Accidental release measures

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

|  |  |
|--|--|
|  | Ensure adequate ventilation of the working area. Wear suitable protective equipment. |
|--|--|

## 6.2. Environmental precautions

|  |   |
|--|---|
|  | Do not allow product to enter drains. Prevent further spillage if safe. |
|--|---|

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

|  |   |
|--|---|
|  | Absorb with inert, absorbent material. Sweep up. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water. |
|--|---|

## 6.4. Reference to other sections

|  |                              |
|--|------------------------------|
|  | For disposal see section 13. |
|--|------------------------------|

## Further information

|  |                                      |
|--|--------------------------------------|
|  | No additional information available. |
|--|--------------------------------------|

## SECTION 7: Handling and storage

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## 7.1. Precautions for safe handling

|  |  |
|--|--|
|  | Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. |
|--|--|

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

|                    |   |
|--------------------|---|
|                    | Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Keep away from food, drink and animal feedingstuffs. |
| Suitable packaging | Keep only in the original container in a cool, well-ventilated place.   |

## 7.3. Specific end use(s)

|  |   |
|--|---|
|  | Apart from the uses mentioned in section 1.2 no other specific uses are stipulated. |
|--|---|

## Further information

|  |                                      |
|--|--------------------------------------|
|  | No additional information available. |
|--|--------------------------------------|

## SECTION 8: Exposure controls/personal protection


## 8.1. Control parameters

|  |  |
|--|--|
|  | See section 8.2 for further information. |
|--|--|

## 8.1.1. Exposure Limit Values

|                                    |  |  |
|------------------------------------|--|--|
| Formaldehyde...%<br>(Formaldehyde) | WEL 8-hr limit ppm: 2                            | WEL 8-hr limit mg/m3: 2.5                          |
|                                    | WEL 15 min limit ppm: 2                          | WEL 15 min limit mg/m3: 2.5                        |
|                                    | WEL 8-hr limit mg/m3 total -<br>inhalable dust:  | WEL 15 min limit mg/m3 total -<br>inhalable dust:  |
|                                    | WEL 8-hr limit mg/m3 total -<br>respirable dust: | WEL 15 min limit mg/m3 total -<br>respirable dust: |
| Methanol                           | WEL 8-hr limit ppm: 200                          | WEL 8-hr limit mg/m3: 266                          |
|                                    | WEL 15 min limit ppm: 250                        | WEL 15 min limit mg/m3: 333                        |
|                                    | WEL 8-hr limit mg/m3 total -<br>inhalable dust:  | WEL 15 min limit mg/m3 total -<br>inhalable dust:  |
|                                    | WEL 8-hr limit mg/m3 total -<br>respirable dust: | WEL 15 min limit mg/m3 total -<br>respirable dust: |

## 8.2. Exposure controls

|   |   |
|---|---|
|   |  |
| 8.2.1. Appropriate engineering controls | Ensure adequate ventilation of the working area.                                    |
| 8.2.2. Individual protection measures   | Wear chemical protective clothing.  |
| Eye / face protection                   | Approved safety goggles.  |
| Skin protection -<br>Handprotection     | Chemical resistant gloves.  |
| Respiratory protection                  | Wear:.. Suitable respiratory equipment.   |
| Thermal hazards                         | No data available.  |
| 8.2.3. Environmental exposure controls  | No data available.  |
| Occupational exposure controls          | No data available.  |

## Further information

|  |                                      |
|--|--------------------------------------|
|  | No additional information available. |
|--|--------------------------------------|

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**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

|                                  |  |
|----------------------------------|--|
| <b>Appearance</b>                | Liquid                                       |
| <b>Colour</b>                    | Blue   |
| <b>Odour</b>                     | Characteristic                               |
| <b>Odour threshold</b>           | No data available                            |
| <b>pH</b>                        | 7 - 8  |
| <b>Melting point</b>             | Not applicable.                              |
| <b>Freezing Point</b>            | No data available                            |
| <b>Initial boiling point</b>     | No data available                            |
| <b>Flash point</b>               | Not applicable.                              |
| <b>Evaporation rate</b>          | No data available                            |
| <b>Flammability (solid, gas)</b> | Not applicable.                              |
| <b>Vapour pressure</b>           | No data available                            |
| <b>Vapour density</b>            | Not applicable.                              |
| <b>Relative density</b>          | 1.036 - 1.042 (H <sub>2</sub> O = 1 @ 20 °C) |
| <b>Fat Solubility</b>            | No data available                            |
| <b>Partition coefficient</b>     | No data available                            |
| <b>Autoignition temperature</b>  | Not applicable.                              |
| <b>Viscosity</b>                 | 20 sec. 4 mm (ISO 2431)                      |
| <b>Explosive properties</b>      | Not applicable.                              |
| <b>Oxidising properties</b>      | Not applicable.                              |
| <b>Solubility</b>                | Miscible in water                            |

**9.2. Other information**

|   |                   |
|---|-------------------|
| <b>Conductivity</b>                     | No data available |
| <b>Surface tension</b>                  | No data available |
| <b>Gas group</b>                        | Not applicable.   |
| <b>Benzene Content</b>                  | Not applicable.   |
| <b>Lead content</b>                     | Not applicable.   |
| <b>VOC (Volatile organic compounds)</b> | Not applicable.   |

**SECTION 10: Stability and reactivity****10.1. Reactivity**

No data is available on this product.

**10.2. Chemical stability**

Stable under recommended storage conditions.

**10.3. Possibility of hazardous reactions**

No data is available on this product.

**10.4. Conditions to avoid**

No data is available on this product.

**10.5. Incompatible materials**

No data is available on this product.

**10.6. Hazardous decomposition products**

No data is available on this product.

**Further information**

No additional information available.

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**SECTION 11: Toxicological information****11.1. Information on toxicological effects**

|                |  |
|----------------|--|
| Acute toxicity | No data is available on this product.    |
|                | May cause sensitisation by skin contact. |

**11.1.2. Mixtures**

|  |                    |
|--|--------------------|
|  | No data available. |
|--|--------------------|

**11.1.3. Hazard Information**

|  |                    |
|--|--------------------|
|  | No data available. |
|--|--------------------|

**11.1.4. Toxicological Information**

|                  |  |                           |
|------------------|--|---------------------------|
| C12-15 Pareth-11 | Oral Rat LD50: 556                                       | Dermal Rabbit LD50: >2000 |
| Formaldehyde...% | Dermal Rat LD50: 674.2<br>Inhalation Rat LC50/4 h: 128.2 | Oral Rat LD50: 460        |
| Methanol         | Oral Rat LD50: 1187                                      | Dermal Rabbit LD50: 17100 |

**11.1.5. Hazard Class**

|  |                    |
|--|--------------------|
|  | No data available. |
|--|--------------------|

**11.1.6. Classification Criteria**

|  |                    |
|--|--------------------|
|  | No data available. |
|--|--------------------|

**11.1.7. Information on likely routes of exposure**

|  |                    |
|--|--------------------|
|  | No data available. |
|--|--------------------|

**11.1.8. Symptoms related to the physical, chemical and toxicological characteristics**

|  |                    |
|--|--------------------|
|  | No data available. |
|--|--------------------|

**11.1.9. Delayed and immediate effects as well as chronic effects from short and long-term exposure**

|  |                    |
|--|--------------------|
|  | No data available. |
|--|--------------------|

**11.1.10. Interactive effects**

|  |                    |
|--|--------------------|
|  | No data available. |
|--|--------------------|

**11.1.11. Absence of specific data**

|  |                    |
|--|--------------------|
|  | No data available. |
|--|--------------------|

**11.1.12. Mixture versus substance information**

|  |                    |
|--|--------------------|
|  | No data available. |
|--|--------------------|

**11.1.13. Other information**

|  |                    |
|--|--------------------|
|  | No data available. |
|--|--------------------|

**Further information**

|  |                                      |
|--|--------------------------------------|
|  | No additional information available. |
|--|--------------------------------------|

**SECTION 12: Ecological information****12.1. Toxicity**

|                  |   |                                |
|------------------|---|--------------------------------|
| C12-15 Pareth-11 | Daphnia EC50/48h: 5.0000 mg/l                               | Fish LC50/96h: 5.0000 mg/l     |
| Formaldehyde...% | Daphnia EC50/48h: 5.8000 mg/l<br>Fish LC50/96h: 6.7000 mg/l | Algae IC50/72h: 4.8900 mg/l    |
| Methanol         | Daphnia EC50/48h: 10000.0000 mg/l                           | Fish LC50/96h: 15400.0000 mg/l |

**12.2. Persistence and degradability**

|  |                                       |
|--|---------------------------------------|
|  | No data is available on this product. |
|--|---------------------------------------|

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## 12.3. Bioaccumulative potential

No data is available on this product.

## Partition coefficient

Elsan Blue toilet fluid No data available

## 12.4. Mobility in soil

No data is available on this product.

## 12.5. Results of PBT and vPvB assessment

No data is available on this product.

## 12.6. Other adverse effects

No data is available on this product.

## Further information

No additional information available.

## SECTION 13: Disposal considerations

## General information

Dispose of in compliance with all local and national regulations.

## Disposal methods

This material and its container must be disposed of in a safe way.

## Disposal of packaging

Containers must be recycled in compliance with national legislation and environmental regulations.

## Further information

No additional information available.

## SECTION 14: Transport information

## 14.1. UN number

The product is not classified as dangerous for carriage.

## 14.2. UN proper shipping name

The product is not classified as dangerous for carriage.

## 14.3. Transport hazard class(es)

The product is not classified as dangerous for carriage.

## 14.4. Packing group

The product is not classified as dangerous for carriage.

## 14.5. Environmental hazards

The product is not classified as dangerous for carriage.

## 14.6. Special precautions for user

The product is not classified as dangerous for carriage.

## 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

The product is not classified as dangerous for carriage.

## Further information

The product is not classified as dangerous for carriage.

## SECTION 15: Regulatory information

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

|                    |   |
|--------------------|---|
| <b>Regulations</b> | COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC. REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC. The surfactant(s) contained in this preparation complies (comply) with the biodegradability criteria as laid down in regulation (EC) No. 648/2004 on detergents. |
|--------------------|---|

## 15.2. Chemical safety assessment

|  |  |
|--|--|
|  | For this product a chemical safety assessment was not carried out. |
|--|--|

## Further information

|  |                                      |
|--|--------------------------------------|
|  | No additional information available. |
|--|--------------------------------------|

**SECTION 16: Other information**

## Other information

|   |   |
|---|---|
| <b>Revision</b>                               | This document differs from the previous version in the following areas:<br>2 - 2.1.2. Classification - EC 1272/2008.<br>2 - Precautionary Statement: Prevention.<br>2 - Precautionary Statement: Response.<br>2 - Precautionary Statement: Storage.   |
| <b>Text of risk phrases in Section 3</b>      | R11 - Highly flammable.<br>R22 - Harmful if swallowed.<br>R23/24/25 - Toxic by inhalation, in contact with skin and if swallowed.<br>R34 - Causes burns.<br>R39/23/24/25 - Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.<br>R40 - Limited evidence of a carcinogenic effect.<br>R41 - Risk of serious damage to eyes.<br>R43 - May cause sensitisation by skin contact.<br>R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.   |
| <b>Text of Hazard Statements in Section 3</b> | Acute Tox. 4: H302 - Harmful if swallowed.<br>Eye Dam. 1: H318 - Causes serious eye damage.<br>Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.<br>Flam. Liq. 2: H225 - Highly flammable liquid and vapour.<br>Acute Tox. 3: H301 - Toxic if swallowed.<br>Acute Tox. 3: H311 - Toxic in contact with skin.<br>Acute Tox. 3: H331 - Toxic if inhaled.<br>STOT SE 1: H370 - Causes damage to organs .<br>STOT SE 2: H371 - May cause damage to organs .<br>Skin Sens. 1: H317 - May cause an allergic skin reaction.<br>Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects. |

## Further information

|  |  |
|--|--|
|  | The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. |
|--|--|