



## SAFETY DATA SHEET

### Toilet Fluid - Dilute

According to Regulation (EC) No 1907/2006, Annex II, as amended. Commission Regulation (EU) No 2015/830 of 28 May 2015.

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

##### 1.1. Product identifier

**Product name** Toilet Fluid - Dilute

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

**Identified uses** Toilet Cleaner. For professional users only.

**Uses advised against** No specific uses advised against are identified.

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

**Supplier** Blue Diamond Products  
Unit 1 Brick Park,  
Bretfield Court,  
Bretton Street Industrial Estate,  
Dewsbury,  
WF12 9BY  
+44 (0)1924 455 313  
+44 (0)1924 450 551  
mick@blue-diamond-products.co.uk

##### 1.4. Emergency telephone number

**Emergency telephone** +44 (0)1924 455 313 (Mon-Fri, 9:00-5:00)

#### SECTION 2: Hazards identification

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

###### Classification (EC 1272/2008)

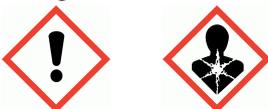
**Physical hazards** Not Classified

**Health hazards** Acute Tox. 4 - H302 Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317 Muta. 2 - H341 Carc. 1B - H350 STOT SE 2 - H371 STOT SE 3 - H335

**Environmental hazards** Not Classified

##### 2.2. Label elements

###### Pictogram



**Signal word** Danger

## Toilet Fluid - Dilute

|   |  |
|---|--|
| <b>Hazard statements</b>                      | <p>H302+H332 Harmful if swallowed or if inhaled.<br/> H315 Causes skin irritation.<br/> H317 May cause an allergic skin reaction.<br/> H319 Causes serious eye irritation.<br/> H335 May cause respiratory irritation.<br/> H341 Suspected of causing genetic defects.<br/> H350 May cause cancer.<br/> H371 May cause damage to organs .</p>  |
| <b>Precautionary statements</b>               | <p>P201 Obtain special instructions before use.<br/> P261 Avoid breathing vapour/ spray.<br/> P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.<br/> P301+P312 IF SWALLOWED: Call a POISON CENTRE/doctor if you feel unwell.<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.<br/> P333+P313 If skin irritation or rash occurs: Get medical advice/ attention.<br/> P405 Store locked up.<br/> P501 Dispose of contents/ container in accordance with national regulations.</p>   |
| <b>Supplemental label information</b>         | RCH002a Restricted to professional users.  |
| <b>Detergent labelling</b>                    | 5 - < 15% disinfectants, < 5% perfumes   |
| <b>Contains</b>                               | Formaldehyde, Methanol   |
| <b>Supplementary precautionary statements</b> | <p>P202 Do not handle until all safety precautions have been read and understood.<br/> P264 Wash contaminated skin thoroughly after handling.<br/> P270 Do not eat, drink or smoke when using this product.<br/> P271 Use only outdoors or in a well-ventilated area.<br/> P272 Contaminated work clothing should not be allowed out of the workplace.<br/> P302+P352 IF ON SKIN: Wash with plenty of water.<br/> P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.<br/> P308+P311 IF exposed or concerned: Call a POISON CENTER or doctor.<br/> P321 Specific treatment (see medical advice on this label).<br/> P330 Rinse mouth.<br/> P337+P313 If eye irritation persists: Get medical advice/ attention.<br/> P362+P364 Take off contaminated clothing and wash it before reuse.<br/> P403+P233 Store in a well-ventilated place. Keep container tightly closed.</p> |

### 2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

## Toilet Fluid - Dilute

|   |                      |  |
|---|----------------------|--|
| <b>Formaldehyde</b>                               |                      | <b>5 - &lt;10%</b>                               |
| CAS number: 50-00-0                               | EC number: 200-001-8 | REACH registration number: 01-2119488953-20-XXXX |
| This substance has specific concentration limits. |                      |  |
| <b>Classification</b>                             |                      |  |
| Acute Tox. 3 - H301                               |                      |  |
| Acute Tox. 3 - H311                               |                      |  |
| Acute Tox. 2 - H330                               |                      |  |
| Skin Corr. 1B - H314                              |                      |  |
| Eye Dam. 1 - H318                                 |                      |  |
| Skin Sens. 1 - H317                               |                      |  |
| Muta. 2 - H341                                    |                      |  |
| Carc. 1B - H350                                   |                      |  |
| STOT SE 3 - H335                                  |                      |  |
| <b>Methanol</b>                                   |                      | <b>1 - &lt;2.5%</b>                              |
| CAS number: 67-56-1                               | EC number: 200-659-6 | REACH registration number: 01-2119433307-44-XXXX |
| This substance has specific concentration limits. |                      |  |
| <b>Classification</b>                             |                      |  |
| Flam. Liq. 2 - H225                               |                      |  |
| Acute Tox. 3 - H301                               |                      |  |
| Acute Tox. 3 - H311                               |                      |  |
| Acute Tox. 3 - H331                               |                      |  |
| STOT SE 1 - H370                                  |                      |  |
| <b>Boman-2-one</b>                                |                      | <b>&lt;0.025%</b>                                |
| CAS number: 76-22-2                               | EC number: 200-945-0 |  |
| <b>Classification</b>                             |                      |  |
| Flam. Sol. 2 - H228                               |                      |  |
| Acute Tox. 4 - H302                               |                      |  |
| Acute Tox. 4 - H332                               |                      |  |
| STOT SE 2 - H371                                  |                      |  |
| Aquatic Chronic 2 - H411                          |                      |  |

The full text for all hazard statements is displayed in Section 16.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### General information

If in doubt, get medical attention promptly. Show this Safety Data Sheet to the medical personnel.

##### Inhalation

Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Maintain an open airway. Loosen tight clothing such as collar, tie or belt. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Get medical attention. Place unconscious person on their side in the recovery position and ensure breathing can take place.

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|                                   |   |
|-----------------------------------|---|
| <b>Ingestion</b>                  | Rinse mouth thoroughly with water. Give a few small glasses of water or milk to drink. Stop if the affected person feels sick as vomiting may be dangerous. Never give anything by mouth to an unconscious person. Keep affected person under observation. Get medical attention.                                 |
| <b>Skin contact</b>               | It is important to remove the substance from the skin immediately. In the event of any sensitisation symptoms developing, ensure further exposure is avoided. Remove contamination with soap and water or recognised skin cleansing agent. Get medical attention if symptoms are severe or persist after washing. |
| <b>Eye contact</b>                | Do not rub eye. Remove any contact lenses and open eyelids wide apart. Rinse with water. Get medical attention if any discomfort continues.   |
| <b>Protection of first aiders</b> | First aid personnel should wear appropriate protective equipment during any rescue.   |

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

|                            |  |
|----------------------------|--|
| <b>General information</b> | The severity of the symptoms described will vary dependent on the concentration and the length of exposure. May cause cancer. Suspected of causing genetic defects. May cause damage to organs . |
| <b>Inhalation</b>          | A single exposure may cause the following adverse effects: May cause coughing and difficulties in breathing. Headache. Exhaustion and weakness. May cause respiratory irritation.                |
| <b>Ingestion</b>           | May cause discomfort if swallowed. Stomach pain. Nausea, vomiting.   |
| <b>Skin contact</b>        | May cause skin sensitisation or allergic reactions in sensitive individuals. Irritating to skin.   |
| <b>Eye contact</b>         | Irritating to eyes. Redness.   |

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

|                             |  |
|-----------------------------|--|
| <b>Notes for the doctor</b> | Treat symptomatically. May cause sensitisation or allergic reactions in sensitive individuals. |
|-----------------------------|--|

## **SECTION 5: Firefighting measures**

### 5.1. Extinguishing media

|                                       |  |
|---------------------------------------|--|
| <b>Suitable extinguishing media</b>   | Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire. |
| <b>Unsuitable extinguishing media</b> | Do not use water jet as an extinguisher, as this will spread the fire.   |

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

|                                      |  |
|--------------------------------------|--|
| <b>Specific hazards</b>              | Containers can burst violently or explode when heated, due to excessive pressure build-up.   |
| <b>Hazardous combustion products</b> | Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours. Oxides of carbon. Oxides of nitrogen. |

### 5.3. Advice for firefighters

|  |  |
|--|--|
| <b>Protective actions during firefighting</b>        | Evacuate area. Keep upwind to avoid inhalation of gases, vapours, fumes and smoke. Ventilate closed spaces before entering them. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. If a leak or spill has not ignited, use water spray to disperse vapours and protect men stopping the leak. Control run-off water by containing and keeping it out of sewers and watercourses. If risk of water pollution occurs, notify appropriate authorities. |
| <b>Special protective equipment for firefighters</b> | Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Firefighter's clothing conforming to European standard EN469 (including helmets, protective boots and gloves) will provide a basic level of protection for chemical incidents.   |

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### SECTION 6: Accidental release measures

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

**Personal precautions** Keep unnecessary and unprotected personnel away from the spillage. Provide adequate ventilation. Wear protective clothing as described in Section 8 of this safety data sheet. Avoid inhalation of vapours and spray/mists. Avoid contact with skin, eyes and clothing. Use suitable respiratory protection if ventilation is inadequate. Do not touch or walk into spilled material. Take care as floors and other surfaces may become slippery. Do not handle broken packages without protective equipment. Wash thoroughly after dealing with a spillage.

#### 6.2. Environmental precautions

**Environmental precautions** Avoid discharge into drains or watercourses or onto the ground.

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

**Methods for cleaning up** Provide adequate ventilation. Wear protective clothing as described in Section 8 of this safety data sheet. Absorb spillage with non-combustible, absorbent material. The contaminated absorbent may pose the same hazard as the spilled material. Collect and place in suitable waste disposal containers and seal securely. Label the containers containing waste and contaminated materials and remove from the area as soon as possible. Flush contaminated area with plenty of water. For waste disposal, see Section 13. Wash thoroughly after dealing with a spillage.

#### 6.4. Reference to other sections

**Reference to other sections** For personal protection, see Section 8. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see Section 13.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

**Usage precautions** Obtain special instructions before use. Read and follow manufacturer's recommendations. Wear protective clothing as described in Section 8 of this safety data sheet. Keep out of the reach of children. Keep away from food, drink and animal feeding stuffs. Provide adequate ventilation. Avoid contact with skin, eyes and clothing. Avoid breathing vapour/spray. The product contains a sensitising substance. Persons susceptible to allergic reactions should not handle this product. Handle all packages and containers carefully to minimise spills. Keep container tightly sealed when not in use. Do not reuse empty containers.

**Advice on general occupational hygiene** Wash promptly if skin becomes contaminated. Take off contaminated clothing. Wash contaminated clothing before reuse.

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

**Storage precautions** Store locked up. Store in tightly-closed, original container in a dry, cool and well-ventilated place. Keep containers upright.

**Storage class** Toxic storage.

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

**Specific end use(s)** The identified uses for this product are detailed in Section 1.2.

### SECTION 8: Exposure Controls/personal protection

#### 8.1. Control parameters

##### Occupational exposure limits

Formaldehyde

## Toilet Fluid - Dilute

Long-term exposure limit (8-hour TWA): WEL 2 ppm 2.5 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 2 ppm 2.5 mg/m<sup>3</sup>

### Methanol

Long-term exposure limit (8-hour TWA): WEL 200 ppm 266 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 250 ppm 333 mg/m<sup>3</sup>

Sk

### Bornan-2-one

Long-term exposure limit (8-hour TWA): WEL 2 ppm 13 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 3 ppm 19 mg/m<sup>3</sup>

WEL = Workplace Exposure Limit

Sk = Can be absorbed through the skin.

### Formaldehyde (CAS: 50-00-0)

#### DNEL

Workers - Inhalation; Long term systemic effects: 9 mg/m<sup>3</sup>

Workers - Inhalation; Long term local effects: 0.375 mg/m<sup>3</sup>

Workers - Inhalation; Short term local effects: 0.75 mg/m<sup>3</sup>

Workers - Dermal; Long term systemic effects: 240 mg/kg/day

Workers - Dermal; Long term local effects: 37 µg/cm<sup>2</sup>

General population - Inhalation; Long term systemic effects: 3.2 mg/m<sup>3</sup>

General population - Inhalation; Long term local effects: 0.1 mg/m<sup>3</sup>

General population - Dermal; Long term systemic effects: 102 mg/kg/day

General population - Dermal; Long term local effects: 12 µg/cm<sup>2</sup>

General population - Oral; Long term systemic effects: 4.1 mg/kg/day

#### PNEC

Fresh water; 0.44 mg/l

Fresh water, Intermittent release; 4.44 mg/l

Marine water; 0.44 mg/l

STP; 0.19 mg/l

Sediment (Freshwater); 2.3 mg/kg

Sediment (Marinewater); 2.3 mg/kg

Soil; 0.2 mg/kg

### Methanol (CAS: 67-56-1)

#### DNEL

Workers - Inhalation; Long term systemic effects, local effects: 260 mg/m<sup>3</sup>

Workers - Inhalation; Short term systemic effects, local effects: 260 mg/m<sup>3</sup>

Workers - Dermal; Long term systemic effects: 40 mg/kg/day

Workers - Dermal; Short term systemic effects: 40 mg/kg/day

General population - Inhalation; Long term systemic effects, local effects: 50 mg/m<sup>3</sup>

General population - Inhalation; Short term systemic effects, local effects: 50 mg/m<sup>3</sup>

General population - Dermal; Long term systemic effects: 8 mg/kg/day

General population - Dermal; Short term systemic effects: 8 mg/kg/day

General population - Oral; Long term systemic effects: 8 mg/kg/day

General population - Oral; Short term systemic effects: 8 mg/kg/day

#### PNEC

Fresh water; 20.8 mg/l

Fresh water, Intermittent release; 1540 mg/l

Marine water; 2.08 mg/l

STP; 100 mg/l

Sediment (Freshwater); 77 mg/kg

Sediment (Marinewater); 7.7 mg/kg

Soil; 100 mg/kg

## 8.2. Exposure controls

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### Protective equipment



**Appropriate engineering controls**

Provide adequate ventilation.

**Eye/face protection**

Avoid contact with eyes. Large Spillages: Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible.

**Hand protection**

Wear protective gloves. To protect hands from chemicals, gloves should comply with European Standard EN374. The most suitable glove should be chosen in consultation with the glove supplier/manufacture, who can provide information about the breakthrough time of the glove material. Considering the data specified by the glove manufacturer, check during use that the gloves are retaining their protective properties and change them as soon as any deterioration is detected.

**Other skin and body protection**

Wear appropriate clothing to prevent any possibility of skin contact.

**Hygiene measures**

Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Wash contaminated clothing before reuse.

**Respiratory protection**

Provide adequate ventilation. Large Spillages: If ventilation is inadequate, suitable respiratory protection must be worn.

**Environmental exposure controls**

Keep container tightly sealed when not in use. Avoid release to the environment.

## 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>  | Pungent.                        |
| <b>Odour threshold</b>                              | No information available.       |
| <b>pH</b>   | pH (concentrated solution): 7-8 |
| <b>Melting point</b>                                | Not determined.                 |
| <b>Initial boiling point and range</b>              | Not determined.                 |
| <b>Flash point</b>                                  | Not determined.                 |
| <b>Evaporation rate</b>                             | Not determined.                 |
| <b>Flammability (solid, gas)</b>                    | Not relevant.                   |
| <b>Upper/lower flammability or explosive limits</b> | Not determined.                 |
| <b>Vapour pressure</b>                              | Not determined.                 |
| <b>Vapour density</b>                               | Not determined.                 |
| <b>Relative density</b>                             | Not determined.                 |
| <b>Solubility(ies)</b>                              | Soluble in water.               |

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|                                  |   |
|----------------------------------|---|
| <b>Partition coefficient</b>     | No information available.                                   |
| <b>Auto-ignition temperature</b> | Not determined.   |
| <b>Decomposition Temperature</b> | Not determined.   |
| <b>Viscosity</b>                 | Not determined.   |
| <b>Explosive properties</b>      | Not considered to be explosive.                             |
| <b>Oxidising properties</b>      | Does not meet the criteria for classification as oxidising. |

### 9.2. Other information

|                          |                          |
|--------------------------|--------------------------|
| <b>Other information</b> | No information required. |
|--------------------------|--------------------------|

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

|                   |  |
|-------------------|--|
| <b>Reactivity</b> | See the other subsections of this section for further details. |
|-------------------|--|

### 10.2. Chemical stability

|                  |   |
|------------------|---|
| <b>Stability</b> | Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed storage conditions. |
|------------------|---|

### 10.3. Possibility of hazardous reactions

|   |                 |
|---|-----------------|
| <b>Possibility of hazardous reactions</b> | May polymerise. |
|---|-----------------|

### 10.4. Conditions to avoid

|                            |   |
|----------------------------|---|
| <b>Conditions to avoid</b> | Avoid excessive heat for prolonged periods of time. |
|----------------------------|---|

### 10.5. Incompatible materials

|                           |   |
|---------------------------|---|
| <b>Materials to avoid</b> | Strong oxidising agents. Strong reducing agents. Acids. |
|---------------------------|---|

### 10.6. Hazardous decomposition products

|   |  |
|---|--|
| <b>Hazardous decomposition products</b> | Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours. Oxides of carbon. Oxides of nitrogen. |
|---|--|

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity - oral

|                                     |   |
|-------------------------------------|---|
| <b>Notes (oral LD<sub>50</sub>)</b> | Acute Tox. 4 - H302 Harmful if swallowed. |
|-------------------------------------|---|

|                         |          |
|-------------------------|----------|
| <b>ATE oral (mg/kg)</b> | 1,699.81 |
|-------------------------|----------|

#### Acute toxicity - dermal

|                                       |  |
|---------------------------------------|--|
| <b>Notes (dermal LD<sub>50</sub>)</b> | Based on available data the classification criteria are not met. |
|---------------------------------------|--|

|                           |         |
|---------------------------|---------|
| <b>ATE dermal (mg/kg)</b> | 4,290.0 |
|---------------------------|---------|

#### Acute toxicity - inhalation

|   |   |
|---|---|
| <b>Notes (inhalation LC<sub>50</sub>)</b> | Acute Tox. 4 - H332 Harmful if inhaled. |
|---|---|

|                                   |          |
|-----------------------------------|----------|
| <b>ATE inhalation (gases ppm)</b> | 8,689.94 |
|-----------------------------------|----------|

|                                      |        |
|--------------------------------------|--------|
| <b>ATE inhalation (vapours mg/l)</b> | 180.18 |
|--------------------------------------|--------|

#### Skin corrosion/irritation

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|  |  |
|--|--|
| <b>Skin corrosion/irritation</b>                                 | Skin Irrit. 2 - H315 Causes skin irritation.   |
| <b><u>Serious eye damage/irritation</u></b>                      |  |
| <b>Serious eye damage/irritation</b>                             | Eye Irrit. 2 - H319 Causes serious eye irritation.   |
| <b><u>Respiratory sensitisation</u></b>                          |  |
| <b>Respiratory sensitisation</b>                                 | Based on available data the classification criteria are not met.   |
| <b><u>Skin sensitisation</u></b>                                 |  |
| <b>Skin sensitisation</b>  | Skin Sens. 1 - H317 May cause an allergic skin reaction.   |
| <b><u>Germ cell mutagenicity</u></b>                             |  |
| <b>Genotoxicity - in vitro</b>                                   | Muta. 2 - H341 Suspected of causing genetic defects.   |
| <b><u>Carcinogenicity</u></b>                                    |  |
| <b>Carcinogenicity</b>   | Carc. 1B - H350 May cause cancer.  |
| <b>IARC carcinogenicity</b>                                      | Contains a listed substance: IARC Group 1 Carcinogenic to humans.  |
| <b><u>Reproductive toxicity</u></b>                              |  |
| <b>Reproductive toxicity - fertility</b>                         | Based on available data the classification criteria are not met.   |
| <b>Reproductive toxicity - development</b>                       | Based on available data the classification criteria are not met.   |
| <b><u>Specific target organ toxicity - single exposure</u></b>   |  |
| <b>STOT - single exposure</b>                                    | STOT SE 2 - H371 May cause damage to organs .<br>STOT SE 3 - H335 May cause respiratory irritation.  |
| <b>Target organs</b>   | Respiratory system, lungs  |
| <b><u>Specific target organ toxicity - repeated exposure</u></b> |  |
| <b>STOT - repeated exposure</b>                                  | Not classified as a specific target organ toxicant after repeated exposure.  |
| <b><u>Aspiration hazard</u></b>                                  |  |
| <b>Aspiration hazard</b>   | Based on available data the classification criteria are not met.   |
| <b><u>General information</u></b>                                |  |
| <b>General information</b>                                       | The severity of the symptoms described will vary dependent on the concentration and the length of exposure.  |
| <b>Inhalation</b>  | A single exposure may cause the following adverse effects: May cause coughing and difficulties in breathing. Headache. Exhaustion and weakness. May cause respiratory irritation.                        |
| <b>Ingestion</b>   | May cause discomfort if swallowed. Stomach pain. Nausea, vomiting.   |
| <b>Skin contact</b>  | May cause skin sensitisation or allergic reactions in sensitive individuals. Irritating to skin.   |
| <b>Eye contact</b>   | Irritating to eyes. Redness.   |
| <b>Acute and chronic health hazards</b>                          | May cause cancer. Suspected of causing genetic defects. May cause damage to organs . Harmful if swallowed or if inhaled. May cause an allergic skin reaction. The liquid is irritating to eyes and skin. |
| <b>Route of exposure</b>   | Ingestion Inhalation Skin and/or eye contact   |
| <b>Target organs</b>   | No specific target organs known.   |
| <b>Medical considerations</b>                                    | Skin disorders and allergies.  |
| <b><u>Toxicological information on ingredients.</u></b>          |  |

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### Formaldehyde

#### Acute toxicity - oral

**Notes (oral LD<sub>50</sub>)** Toxic if swallowed. Estimated value.

**ATE oral (mg/kg)** 100.0

#### Acute toxicity - dermal

**Notes (dermal LD<sub>50</sub>)** Toxic in contact with skin. Estimated value.

**ATE dermal (mg/kg)** 300.0

#### Acute toxicity - inhalation

**Acute toxicity inhalation (LC<sub>50</sub> gases ppmV)** 463.0

**Species** Rat

**Notes (inhalation LC<sub>50</sub>)** Fatal if inhaled. REACH dossier information.

**ATE inhalation (gases ppm)** 463.0

#### Skin corrosion/irritation

**Animal data** Dose: 1 mL, 20 hours, Rabbit Erythema/eschar score: Moderate to severe erythema (3). Oedema score: Moderate oedema - raised approximately 1 mm (3). REACH dossier information. Corrosive to skin.

#### Serious eye damage/irritation

**Serious eye damage/irritation** Causes serious eye damage.

#### Respiratory sensitisation

**Respiratory sensitisation** Mouse: Not sensitising. REACH dossier information.

#### Skin sensitisation

**Skin sensitisation** Local Lymph Node Assay (LLNA) - Mouse: Sensitising. REACH dossier information.

#### Germ cell mutagenicity

**Genotoxicity - in vitro** DNA damage and/or repair: Positive. REACH dossier information. Suspected of causing genetic defects.

**Genotoxicity - in vivo** DNA-protein cross-links (DPC): Positive. REACH dossier information. Suspected of causing genetic defects.

#### Carcinogenicity

**Carcinogenicity** May cause cancer.

**IARC carcinogenicity** IARC Group 1 Carcinogenic to humans.

**NTP carcinogenicity** Known human carcinogen.

#### Reproductive toxicity

**Reproductive toxicity - development** Developmental toxicity: - NOAEC: 10 ppm, Inhalation, Rat REACH dossier information.

#### Specific target organ toxicity - single exposure

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**STOT - single exposure** STOT SE 3 - H335 May cause respiratory irritation.

**Target organs** Respiratory system, lungs

### Specific target organ toxicity - repeated exposure

**STOT - repeated exposure** LOAEL 82 mg/kg/day, Oral, Rat REACH dossier information.

### Aspiration hazard

**Aspiration hazard** Not anticipated to present an aspiration hazard, based on chemical structure.

### Methanol

#### Acute toxicity - oral

**Notes (oral LD<sub>50</sub>)** International Programme on Chemical Safety (IPCS) (1997) Environmental Health Criteria 196: Methanol. Geneva, World Health Organization. Toxic if swallowed.

**ATE oral (mg/kg)** 300.0

#### Acute toxicity - dermal

**Notes (dermal LD<sub>50</sub>)** Converted acute toxicity point estimate (cATpE) Toxic in contact with skin.

**ATE dermal (mg/kg)** 300.0

#### Acute toxicity - inhalation

**Notes (inhalation LC<sub>50</sub>)** Converted acute toxicity point estimate (cATpE) Toxic if inhaled.

**ATE inhalation (vapours mg/l)** 3.0

#### Skin corrosion/irritation

**Animal data** Dose: 2.5cm x 2.5cm, 20 hours, Rabbit Erythema/eschar score: No erythema (0). Oedema score: No oedema (0). REACH dossier information. Not irritating.

#### Serious eye damage/irritation

**Serious eye damage/irritation** Dose: 0.05 ml, 24 hours, Rabbit REACH dossier information. Not irritating.

#### Skin sensitisation

**Skin sensitisation** Guinea pig maximization test (GPMT) - Guinea pig: Not sensitising. REACH dossier information.

### Specific target organ toxicity - single exposure

**STOT - single exposure** STOT SE 1 - H370

**Target organs** Eyes Central nervous system

## SECTION 12: Ecological Information

**Ecotoxicity** Not regarded as dangerous for the environment. However, large or frequent spills may have hazardous effects on the environment.

### 12.1. Toxicity

**Toxicity** Based on available data the classification criteria are not met.

### Ecological information on ingredients.

### Formaldehyde

#### Acute aquatic toxicity

## Toilet Fluid - Dilute

|   |   |
|---|---|
| <b>Acute toxicity - fish</b>                  | LC <sub>50</sub> , 96 hours: 6.7 mg/l, Striped bass ( <i>Morone saxatilis</i> ) |
| <b>Acute toxicity - aquatic invertebrates</b> | EC <sub>50</sub> , 48 hours: 5.8 mg/l, <i>Daphnia pulex</i>                     |
| <b>Acute toxicity - aquatic plants</b>        | EC <sub>50</sub> , 72 hours: 3.48 mg/l, <i>Scenedesmus subspicatus</i>          |

### Methanol

#### Acute aquatic toxicity

|   |  |
|---|--|
| <b>Acute toxicity - fish</b>                  | LC <sub>50</sub> , 96 hours: 15400 mg/l, <i>Lepomis macrochirus</i> (Bluegill)<br>EC <sub>50</sub> , 96 hours: 12700 mg/l, <i>Lepomis macrochirus</i> (Bluegill)<br>REACH dossier information. |
| <b>Acute toxicity - aquatic invertebrates</b> | EC <sub>50</sub> , 96 hours: 18260 mg/l, <i>Daphnia magna</i><br>REACH dossier information.  |
| <b>Acute toxicity - aquatic plants</b>        | EC <sub>50</sub> , 96 hours: ~ 22000 mg/l, <i>Pseudokirchneriella subcapitata</i><br>REACH dossier information.  |
| <b>Acute toxicity - microorganisms</b>        | IC <sub>50</sub> , 3 hours: >1000 mg/l, Activated sludge<br>REACH dossier information.   |

#### Chronic aquatic toxicity

|   |   |
|---|---|
| <b>Chronic toxicity - fish early life stage</b> | NOEC, 200 hours: 7900 mg/l, <i>Oryzias latipes</i> (Red killifish)<br>Weight of evidence.<br>REACH dossier information. |
|---|---|

## 12.2. Persistence and degradability

**Persistence and degradability** The degradability of the product is not known.

### Ecological information on ingredients.

#### Formaldehyde

|                                      |   |
|--------------------------------------|---|
| <b>Persistence and degradability</b> | The product is biodegradable.   |
| <b>Phototransformation</b>           | Air - DT <sub>50</sub> : 1.7 days<br>Calculation method.                    |
| <b>Biodegradation</b>                | Water - Degradation 99%: 28 days<br>The substance is readily biodegradable. |

#### Methanol

|                            |  |
|----------------------------|--|
| <b>Phototransformation</b> | Air - DT <sub>50</sub> : 17.2 days<br>REACH dossier information.   |
| <b>Biodegradation</b>      | Water - Degradation (95%): 20 days<br>Water - Degradation (91%): 15 days<br>Water - Degradation (88%): 10 days<br>Water - Degradation (76%): 5 days<br>REACH dossier information.<br>The substance is readily biodegradable. |

## 12.3. Bioaccumulative potential

**Bioaccumulative potential** No data available on bioaccumulation.

## Toilet Fluid - Dilute

**Partition coefficient** No information available.

### Ecological information on ingredients.

#### Formaldehyde

**Bioaccumulative potential** BCF: <1, *Litopenaeus stylirostris* (blue shrimp)

**Partition coefficient** log Pow: 0.35

#### Methanol

**Bioaccumulative potential** BCF: 4.5, *Cyprinus carpio* (Common carp)

**Partition coefficient** log Pow: -0.77 REACH dossier information.

### 12.4. Mobility in soil

**Mobility** The product is water-soluble and may spread in water systems.

### Ecological information on ingredients.

#### Formaldehyde

**Mobility** The product is soluble in water.

**Adsorption/desorption coefficient** Log Koc: 1.202 Calculation method.

**Henry's law constant** 0.034 Pa m<sup>3</sup>/mol @ 25°C

**Surface tension** 69.9 mN/m @ 25°C

#### Methanol

**Mobility** Mobile.

**Adsorption/desorption coefficient** Soil - Koc: 0.13-0.61 @ 6°C

**Henry's law constant** 0.461 Pa m<sup>3</sup>/mol @ 25°C

### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment** This product does not contain any substances classified as PBT or vPvB.

### Ecological information on ingredients.

#### Formaldehyde

**Results of PBT and vPvB assessment** This substance is not classified as PBT or vPvB according to current EU criteria.

#### Methanol

**Results of PBT and vPvB assessment** This substance is not classified as PBT or vPvB according to current EU criteria.

### 12.6. Other adverse effects

**Other adverse effects** None known.

## Toilet Fluid - Dilute

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

##### **General information**

The generation of waste should be minimised or avoided wherever possible. Reuse or recycle products wherever possible. This material and its container must be disposed of in a safe way. When handling waste, the safety precautions applying to handling of the product should be considered. Care should be taken when handling emptied containers that have not been thoroughly cleaned or rinsed out. Empty containers or liners may retain some product residues and hence be potentially hazardous.

##### **Disposal methods**

Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

### SECTION 14: Transport information

##### **General**

The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

#### 14.1. UN number

Not applicable.

#### 14.2. UN proper shipping name

Not applicable.

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

No transport warning sign required.

#### 14.4. Packing group

Not applicable.

#### 14.5. Environmental hazards

##### **Environmentally hazardous substance/marine pollutant**

No.

#### 14.6. Special precautions for user

Not applicable.

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

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

Not applicable.

### SECTION 15: Regulatory information

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

##### **National regulations**

Health and Safety at Work etc. Act 1974 (as amended).  
The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (SI 2009 No. 1348) (as amended) ["CDG 2009"].  
EH40/2005 Workplace exposure limits.

## Toilet Fluid - Dilute

**EU legislation**

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) (as amended).  
 Commission Regulation (EU) No 2015/830 of 28 May 2015.  
 Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).  
 Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents (as amended).

**Restrictions (Title VIII Regulation 1907/2006)**

Entry number: 28 (CAS No. 50-00-0) Restricted to professional users.

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

### SECTION 16: Other information

**Abbreviations and acronyms used in the safety data sheet**

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.  
 ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.  
 RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail.  
 IATA: International Air Transport Association.  
 ICAO: Technical Instructions for the Safe Transport of Dangerous Goods by Air.  
 IMDG: International Maritime Dangerous Goods.  
 CAS: Chemical Abstracts Service.  
 ATE: Acute Toxicity Estimate.  
 LC<sub>50</sub>: Lethal Concentration to 50 % of a test population.  
 LD<sub>50</sub>: Lethal Dose to 50% of a test population (Median Lethal Dose).  
 EC<sub>50</sub>: 50% of maximal Effective Concentration.  
 PBT: Persistent, Bioaccumulative and Toxic substance.  
 vPvB: Very Persistent and Very Bioaccumulative.

**Classification abbreviations and acronyms**

Acute Tox. = Acute toxicity  
 Carc. = Carcinogenicity  
 Eye Irrit. = Eye irritation  
 Muta. = Germ cell mutagenicity  
 Skin Irrit. = Skin irritation  
 Skin Sens. = Skin sensitisation  
 STOT SE = Specific target organ toxicity-single exposure

**Classification procedures according to Regulation (EC) 1272/2008**

Acute Tox. 4 - H332: Acute Tox. 4 - H302: STOT SE 2 - H371: STOT SE 3 - H335: Skin Irrit. 2 - H315: Eye Irrit. 2 - H319: Skin Sens. 1 - H317: Muta. 2 - H341: Carc. 1B - H350: : Calculation method.

**Training advice**

Read and follow manufacturer's recommendations.

**Revision comments**

Revised classification. Document revised.

**Revision date**

27/06/2018

**Revision**

3

**Supersedes date**

27/04/2015

**SDS number**

3003

## Toilet Fluid - Dilute

### Hazard statements in full

H225 Highly flammable liquid and vapour.  
H228 Flammable solid.  
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.  
H331 Toxic if inhaled.  
H332 Harmful if inhaled.  
H335 May cause respiratory irritation.  
H341 Suspected of causing genetic defects.  
H350 May cause cancer.  
H370 Causes damage to organs (Eyes, Central nervous system).  
H371 May cause damage to organs .  
H411 Toxic to aquatic life with long lasting effects.

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 process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.