

Blue Bio Toilet Fluid (WP 0901)

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830
SDS Ref.: Periodic review of SDS 07/18/2022
Date of issue: 5/19/2014 Revision date: 7/18/2019 Supersedes: 3/18/2019 Version: 1.4

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

1.1. Product identifier

Product form : Mixture
Product name : Blue Bio Toilet Fluid (WP 0901)
Product code : WP 0901
Type of product : Deodorizer
Product group : Blend

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

1.2.1. Relevant identified uses

Industrial/Professional use spec : Industrial
For professional use only
Use of the substance/mixture : Biological additive for chemical toilet

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Wessex Chemical Factors Ltd
9 Crane Way, Woolsbridge Industrial Park,
Three Legged Cross, Wimborne, Dorset
BH21 6FA - United Kingdom
T +44 (0) 1202 823 699 - F +44 (0) 1202 813 863
www.wessexchemicalfactors.co.uk
E-mail address of competent person responsible for the SDS : info@wessexchemicalfactors.co.uk

1.4. Emergency telephone number

Emergency number : +44 (0) 1202 823 699 (Office hours only 9am - 5pm Monday - Thursday, 9am - 4pm Friday.)
+44 (0) 7973629367 (Out of hours emergency number)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Not classified

Adverse physicochemical, human health and environmental effects

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

2.2. Label elements

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

EUH-statements : EUH210 - Safety data sheet available on request.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|--------------------|---|-------|--|
| citric acid | (CAS-No.) 5949-29-1 (EC-No.) 201-069-1 (REACH-no) 01-2119457026-42-XXXX | 3 - 5 | Eye Irrit. 2, H319 |
| TETRAHYDROLINALOOL | (CAS-No.) 78-69-3 (EC-No.) 201-133-9 | < 0.1 | Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1B, H317 |
| BENZYL ACETATE | (CAS-No.) 140-11-4 (EC-No.) 205-399-7 | < 0.1 | Aquatic Chronic 3, H412 |

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| | | | |
|--|--|-------|---|
| HEXYL CINNAMAL | (CAS-No.) 101-86-0 (EC-No.) 202-983-3 | < 0.1 | Skin Sens. 1B, H317 Aquatic Acute 1, H400 Aquatic Chronic 2, H411 |
| CITRONELLOL | (CAS-No.) 106-22-9 (EC-No.) 203-375-0 (REACH-no) 01-2119453995-23 | < 0.1 | Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1B, H317 |
| LINALOOL | (CAS-No.) 78-70-6 (EC-No.) 201-134-4 | < 0.1 | Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1B, H317 |
| 4-TERT-BUTYLCYCLOHEXYL ACETATE | (CAS-No.) 32210-23-4 (EC-No.) 250-954-9 | < 0.1 | Skin Sens. 1B, H317 |
| ALPHA-ISOMETHYL IONONE | (CAS-No.) 127-51-5 (EC-No.) 204-846-3 | < 0.1 | Aquatic Chronic 2, H411 |
| HEXAHYDRO-METHANOINDENYL PROPIONATE | (CAS-No.) 68912-13-0 (EC-No.) 272-805-7 | < 0.1 | Aquatic Chronic 2, H411 |
| COUMARIN | (CAS-No.) 91-64-5 (EC-No.) 202-086-7 | < 0.1 | Acute Tox. 4 (Oral), H302 Skin Sens. 1, H317 Aquatic Chronic 3, H412 |
| BUTYLPHENYL METHYLPROPIONAL | (CAS-No.) 80-54-6 (EC-No.) 201-289-8 | < 0.1 | Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Repr. 1B, H360 Repr. 2, H361 Aquatic Chronic 3, H412 |
| GERANIOL | (CAS-No.) 106-24-1 (EC-No.) 203-377-1 | < 0.1 | Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 |
| BENZYL SALICYLATE | (CAS-No.) 118-58-1 (EC-No.) 204-262-9 | < 0.1 | Eye Irrit. 2, H319 Skin Sens. 1B, H317 Aquatic Chronic 3, H412 |
| EUGENOL | (CAS-No.) 97-53-0 (EC-No.) 202-589-1 | < 0.1 | Eye Irrit. 2, H319 Skin Sens. 1B, H317 |
| LIMONENE (Note C) | (CAS-No.) 5989-27-5 (EC-No.) 227-813-5 (EC Index-No.) 601-029-00-7 | < 0.1 | Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1) |
| NEROL | (CAS-No.) 106-25-2 (EC-No.) 203-378-7 | < 0.1 | Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1B, H317 |
| ISOBUTENYL METHYLTETRAHYDROPYRAN | (CAS-No.) 16409-43-1 (EC-No.) 240-457-5 | < 0.1 | Skin Irrit. 2, H315 Eye Irrit. 2, H319 Repr. 2, H361 |
| HEXAMETHYLINDANOPYRAN | (CAS-No.) 1222-05-5 (EC-No.) 214-946-9 | < 0.1 | Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 |
| 3,6-DIMETHYL-3-CYCLOHEXENE-1-CARBALDEHYDE | (CAS-No.) 67801-65-4 (EC-No.) 267-186-5 | < 0.1 | Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Chronic 2, H411 |
| AMYL SALICYLATE | (CAS-No.) 2050-08-0 (EC-No.) 218-080-2 | < 0.1 | Acute Tox. 4 (Oral), H302 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 |
| TETRAMETHYL ACETYLOCTAHYDRONAPHTHALENES | (CAS-No.) 54464-57-2 (EC-No.) 259-174-3 | < 0.1 | Skin Irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Chronic 1, H410 |
| ETHYL TRIMETHYLCYCLOPENTENE BUTENOL | (CAS-No.) 28219-61-6 (EC-No.) 248-908-8 | < 0.1 | Eye Irrit. 2, H319 Aquatic Chronic 1, H410 |
| PHENETHYL ACETATE | (CAS-No.) 103-45-7 (EC-No.) 203-113-5 | < 0.1 | Eye Dam. 1, H318 |
| ACETYL HEXAMETHYL TETRALIN | (CAS-No.) 21145-77-7 (EC-No.) 244-240-6 | < 0.1 | Acute Tox. 4 (Oral), H302 Aquatic Chronic 1, H410 |

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| | | | |
|----------------------------|--|-------|---|
| DELTA-DAMASCONENE | (CAS-No.) 57378-68-4 (EC-No.) 260-709-8 | < 0.1 | Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 |
| HELIOTROPINE | (CAS-No.) 120-57-0 (EC-No.) 204-409-7 | < 0.1 | Skin Sens. 1B, H317 |
| EUCALYPTOL | (CAS-No.) 470-82-6 (EC-No.) 207-431-5 | < 0.1 | Flam. Liq. 3, H226 Skin Sens. 1B, H317 |
| UNDECYLENOL | (CAS-No.) 112-45-8 (EC-No.) 203-973-1 | < 0.1 | Skin Irrit. 2, H315 Aquatic Chronic 2, H411 |
| DIETHYL PHTHALATE | (CAS-No.) 84-66-2 (EC-No.) 201-550-6 | < 0.1 | Not classified |
| DIPHENYL ETHER | (CAS-No.) 101-84-8 (EC-No.) 202-981-2 | < 0.1 | Eye Irrit. 2, H319 |
| ALPHA GUAIENE | (CAS-No.) 3691-12-1 | < 0.1 | Skin Irrit. 2, H315 Eye Irrit. 2, H319 Asp. Tox. 1, H304 |
| ALLYL CYCLOHEXYLPROPIONATE | (CAS-No.) 2705-87-5 (EC-No.) 220-292-5 | < 0.1 | Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation:dust,mist), H332 Skin Sens. 1B, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 |
| TERPINOLENE | (CAS-No.) 586-62-9 (EC-No.) 209-578-0 | < 0.1 | Skin Sens. 1, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 |
| ALPHA-PINENES | (CAS-No.) 80-56-8 (EC-No.) 201-291-9 | < 0.1 | Flam. Liq. 3, H226 Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Skin Sens. 1, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 |
| GAMMA-TERPINENE | (CAS-No.) 99-85-4 (EC-No.) 202-794-6 | < 0.1 | Flam. Liq. 3, H226 Repr. 2, H361 Aquatic Chronic 2, H411 |
| P-CYMENE | (CAS-No.) 99-87-6 (EC-No.) 202-796-7 | < 0.1 | Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Asp. Tox. 1, H304 |
| MYRCENE | (CAS-No.) 123-35-3 (EC-No.) 204-622-5 | < 0.1 | Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 |
| BETA-PINENES | (CAS-No.) 127-91-3 (EC-No.) 204-872-5 | < 0.1 | Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Asp. Tox. 1, H304 |
| BETA-CARYOPHYLLENE | (CAS-No.) 87-44-5 (EC-No.) 201-746-1 | < 0.1 | Skin Sens. 1B, H317 Asp. Tox. 1, H304 Aquatic Chronic 4, H413 |
| LIMONENE | (CAS-No.) 5989-54-8 (EC-No.) 227-815-6 | < 0.1 | Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 3, H412 |
| METHYL 2-OCTYNOATE | (CAS-No.) 111-12-6 (EC-No.) 203-836-6 | < 0.1 | Skin Sens. 1A, H317 Aquatic Acute 1, H400 Aquatic Chronic 3, H412 |

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| | | | |
|---------|--|-------|--|
| ALCOHOL | (CAS-No.) 64-17-5 (EC-No.) 200-578-6 | < 0.1 | Flam. Liq. 2, H225 Eye Irrit. 2, H319 |
| BHT | (CAS-No.) 128-37-0 (EC-No.) 204-881-4 | < 0.1 | Aquatic Chronic 1, H410 |

Note C : Some organic substances may be marketed either in a specific isomeric form or as a mixture of several isomers. In this case the supplier must state on the label whether the substance is a specific isomer or a mixture of isomers.

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

| | |
|---------------------------------------|---|
| First-aid measures general | : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible). |
| First-aid measures after inhalation | : Remove person to fresh air and keep comfortable for breathing. Allow affected person to breathe fresh air. Allow the victim to rest. |
| First-aid measures after skin contact | : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Wash skin with plenty of water. |
| First-aid measures after eye contact | : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists. Rinse eyes with water as a precaution. |
| First-aid measures after ingestion | : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention. Call a poison center or a doctor if you feel unwell. |

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

| | |
|-------------------------------------|--|
| Symptoms/effects | : Not expected to present a significant hazard under anticipated conditions of normal use. |
| Symptoms/effects after skin contact | : Avoid prolonged or repeated contact with skin. May cause slight irritation. |
| Symptoms/effects after eye contact | : May cause slight temporary irritation. |

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

| | |
|--------------------------------|--|
| Suitable extinguishing media | : Use extinguishing media appropriate for surrounding fire. Water spray. Dry powder. Foam. Carbon dioxide. |
| Unsuitable extinguishing media | : Do not use a heavy water stream. |

5.2. Special hazards arising from the substance or mixture

| | |
|--|--------------------------------|
| Hazardous decomposition products in case of fire | : Toxic fumes may be released. |
|--|--------------------------------|

5.3. Advice for firefighters

| | |
|--------------------------------|--|
| Firefighting instructions | : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment. |
| Protection during firefighting | : Do not enter fire area without proper protective equipment, including respiratory protection. Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing. |

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

| | |
|----------------------|--|
| Emergency procedures | : Ventilate spillage area. Evacuate unnecessary personnel. |
|----------------------|--|

6.1.2. For emergency responders

| | |
|----------------------|--|
| Protective equipment | : Do not attempt to take action without suitable protective equipment. Equip cleanup crew with proper protection. For further information refer to section 8: "Exposure controls/personal protection". |
| Emergency procedures | : Ventilate area. |

6.2. Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

| | |
|-------------------------|--|
| For containment | : Stop leak without risks if possible. |
| Methods for cleaning up | : Take up liquid spill into absorbent material. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials. |
| Other information | : Dispose of materials or solid residues at an authorized site. |

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection. For further information refer to section 13.

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

| | |
|-------------------------------|---|
| Precautions for safe handling | : Ensure good ventilation of the work station. Wear personal protective equipment. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. |
| Hygiene measures | : Do not eat, drink or smoke when using this product. Always wash hands after handling the product. |

7.2. Conditions for safe storage, including any incompatibilities

| | |
|------------------------|--|
| Storage conditions | : Keep only in the original container in a cool, well ventilated place away from : Direct sunlight. Keep container closed when not in use. |
| Incompatible products | : Strong bases. Strong acids. |
| Incompatible materials | : Sources of ignition. Direct sunlight. |
| Maximum storage period | : 2 year (Once opened) |
| Storage temperature | : 5 - 40 °C |
| Storage area | : Protect from freezing. |

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

DIETHYL PHTHALATE (84-66-2)

United Kingdom - Occupational Exposure Limits

| | |
|-------------------------------|--------------------------------------|
| Local name | Diethyl phthalate |
| WEL TWA (mg/m ³) | 5 mg/m ³ |
| WEL STEL (mg/m ³) | 10 mg/m ³ |
| Regulatory reference | EH40/2005 (Third edition, 2018). HSE |

ALCOHOL (64-17-5)

United Kingdom - Occupational Exposure Limits

| | |
|------------------------------|--------------------------------------|
| Local name | Ethanol |
| WEL TWA (mg/m ³) | 1920 mg/m ³ |
| WEL TWA (ppm) | 1000 ppm |
| Regulatory reference | EH40/2005 (Third edition, 2018). HSE |

BHT (128-37-0)

United Kingdom - Occupational Exposure Limits

| | |
|------------------------------|--------------------------------------|
| Local name | 2,6-Di-tert-butyl-p-cresol |
| WEL TWA (mg/m ³) | 10 mg/m ³ |
| Regulatory reference | EH40/2005 (Third edition, 2018). HSE |

DIPHENYL ETHER (101-84-8)

EU - Occupational Exposure Limits

| | |
|---------------------------------|------------------------------------|
| Local name | Diphenyl ether |
| IOELV TWA (mg/m ³) | 7 mg/m ³ |
| IOELV TWA (ppm) | 1 ppm |
| IOELV STEL (mg/m ³) | 14 mg/m ³ |
| IOELV STEL (ppm) | 2 ppm |
| Regulatory reference | COMMISSION DIRECTIVE (EU) 2017/164 |

United Kingdom - Occupational Exposure Limits

| | |
|-------------------------------|----------------------|
| Local name | Diphenyl ether |
| WEL TWA (mg/m ³) | 7 mg/m ³ |
| WEL TWA (ppm) | 1 ppm |
| WEL STEL (mg/m ³) | 14 mg/m ³ |

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| | |
|----------------------|--------------------------------------|
| WEL STEL (ppm) | 2 ppm |
| Regulatory reference | EH40/2005 (Third edition, 2018). HSE |

8.2. Exposure controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

Personal protective equipment:

Avoid all unnecessary exposure. Gloves.

Hand protection:

Wear protective gloves.

Eye protection:

Safety glasses. To protect against splashes from pouring

Respiratory protection:

No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation

Personal protective equipment symbol(s):



Environmental exposure controls:

Avoid release to the environment.

Other information:

Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|--|--------------------------|
| Physical state | : Liquid |
| Appearance | : Blue. Liquid. |
| Colour | : Blue. |
| Odour | : Pleasant (perfume). |
| Odour threshold | : No data available |
| pH | : 1.8 |
| Relative evaporation rate (butylacetate=1) | : No data available |
| Melting point | : Not applicable |
| Freezing point | : No data available |
| Boiling point | : No data available |
| Flash point | : No data available |
| Auto-ignition temperature | : No data available |
| Decomposition temperature | : No data available |
| Flammability (solid, gas) | : Non flammable. |
| Vapour pressure | : No data available |
| Relative vapour density at 20 °C | : No data available |
| Relative density | : No data available |
| Density | : 1.02 g/cm ³ |
| Solubility | : soluble in water. |
| Log Pow | : No data available |
| Viscosity, kinematic | : No data available |
| Viscosity, dynamic | : No data available |
| Explosive properties | : No data available |
| Oxidising properties | : No data available |
| Explosive limits | : No data available |

9.2. Other information

No additional information available

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SECTION 10: Stability and reactivity

10.1. Reactivity

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

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified

Acute toxicity (dermal) : Not classified

Acute toxicity (inhalation) : Not classified

| citric acid (5949-29-1) | |
|-------------------------|-------------------------|
| LD50 oral rat | 11700 mg/kg |
| LD50 oral | 5400 mg/kg (mouse) |
| LD50 dermal rat | > 2000 mg/kg bodyweight |

| ALPHA-PINENES (80-56-8) | |
|-------------------------|----------------------|
| LD50 oral rat | 500 mg/kg bodyweight |

| DIETHYL PHTHALATE (84-66-2) | |
|-----------------------------|----------------------|
| LD50 oral rat | 8600 mg/kg |
| LD50 dermal | 22.4 g/kg Guinea Pig |

| AMYL SALICYLATE (2050-08-0) | |
|-----------------------------|------------|
| LD50 oral rat | 2000 mg/kg |

Skin corrosion/irritation : Not classified.

pH: 1.8

Additional information : Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified

pH: 1.8

Additional information : Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified

Additional information : Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified

Additional information : Based on available data, the classification criteria are not met

Carcinogenicity : Not classified

Additional information : Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified

Additional information : Based on available data, the classification criteria are not met

STOT-single exposure : Not classified

Additional information : Based on available data, the classification criteria are not met

STOT-repeated exposure : Not classified

Additional information : Based on available data, the classification criteria are not met

Aspiration hazard : Not classified

Additional information : Based on available data, the classification criteria are not met

Potential adverse human health effects and symptoms : Repeated or prolonged skin contact may cause irritation. Slightly irritating to eyes.

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SECTION 12: Ecological information

12.1. Toxicity

| | |
|--------------------------|---|
| Ecology - general | : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment. |
| Acute aquatic toxicity | : Not classified |
| Chronic aquatic toxicity | : Not classified |

citric acid (5949-29-1)

| | |
|--------------------------------|---|
| LC50 fish 1 | > 100 mg/l Fathead minnow, (<i>P. promelas</i>) |
| EC50 other aquatic organisms 1 | > 50 mg/l (Zebra mussel <i>D. polymorpha</i>) |
| NOEC chronic algae | 425 mg/l (Algae <i>S. quadricauda</i>) |

CITRONELLOL (106-22-9)

| | |
|--------------------|--|
| LC50 fish 1 | 14.66 mg/l Golden orfe (<i>Leuciscus idus</i>) |
| EC50 Daphnia 1 | 17.48 mg/l |
| EC50 72h algae (1) | 2.4 mg/l |

HEXAMETHYLINDANOPYRAN (1222-05-5)

| | |
|----------------|-----------|
| LC50 fish 1 | 0.95 mg/l |
| EC50 Daphnia 1 | 0.3 mg/l |

TERPINOLENE (586-62-9)

| | |
|--------------------|------------|
| LC50 fish 1 | 0.805 mg/l |
| EC50 Daphnia 1 | 0.634 mg/l |
| EC50 72h algae (1) | 0.692 mg/l |

ALPHA-PINENES (80-56-8)

| | |
|-------------|-----------|
| LC50 fish 1 | 0.27 mg/l |
|-------------|-----------|

LIMONENE (5989-27-5)

| | |
|--------------------|-----------|
| LC50 fish 1 | 0.7 mg/l |
| EC50 Daphnia 1 | 0.36 mg/l |
| EC50 72h algae (1) | 0.32 mg/l |
| NOEC chronic fish | 0.37 mg/l |

MYRCENE (123-35-3)

| | |
|--------------------|----------------------|
| LC50 fish 1 | 1.3 mg/l Danio rerio |
| EC50 Daphnia 1 | 1.47 mg/l |
| EC50 72h algae (1) | 0.342 mg/l |

DIETHYL PHTHALATE (84-66-2)

| | |
|------------------------|--------------------------|
| LC50 fish 1 | 12 mg/l Rainbow trout |
| LC50 fish 2 | 29 mg/l Sheephead minnow |
| EC50 Daphnia 1 | 90 mg/l |
| EC50 72h algae (1) | 45 mg/l |
| NOEC chronic fish | 1.9 mg/l |
| NOEC chronic crustacea | 43 mg/l |
| NOEC chronic algae | 9 mg/l |

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| AMYL SALICYLATE (2050-08-0) | |
|-----------------------------|-----------|
| LC50 fish 1 | 1.34 mg/l |
| EC50 Daphnia 1 | 0.88 mg/l |

| LIMONENE (5989-54-8) | |
|------------------------|------------|
| LC50 fish 1 | 0.71 mg/l |
| EC50 Daphnia 1 | 0.36 mg/l |
| EC50 96h algae (1) | 0.904 mg/l |
| NOEC chronic crustacea | 0.27 mg/l |
| NOEC chronic algae | 0.514 mg/l |

12.2. Persistence and degradability

| Blue Bio Toilet Fluid (WP 0901) | |
|---------------------------------|------------------|
| Persistence and degradability | Not established. |

| citric acid (5949-29-1) | |
|-------------------------------|------------------------|
| Persistence and degradability | Readily biodegradable. |

12.3. Bioaccumulative potential

| Blue Bio Toilet Fluid (WP 0901) | |
|---------------------------------|------------------|
| Bioaccumulative potential | Not established. |

| citric acid (5949-29-1) | |
|---------------------------|---|
| Log Kow | -1.8 - -0.2 |
| Bioaccumulative potential | Not expected to bioaccumulate due to the low log Kow (log Kow < 4). |

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

| Component | |
|-------------------------|---|
| citric acid (5949-29-1) | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |

12.6. Other adverse effects

Additional information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.
Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Empty containers should be taken for recycling, recovery or waste in accordance with local regulation.
Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

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

| ADR | IMDG | IATA | ADN | RID |
|---|----------------|----------------|----------------|----------------|
| 14.1. UN number | | | | |
| Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |
| 14.2. UN proper shipping name | | | | |
| Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |
| 14.3. Transport hazard class(es) | | | | |
| Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |
| 14.4. Packing group | | | | |
| Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |

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according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

14.5. Environmental hazards

| | | | | |
|------------------------------------|---|------------------------------------|------------------------------------|------------------------------------|
| Dangerous for the environment : No | Dangerous for the environment : No Marine pollutant : No | Dangerous for the environment : No | Dangerous for the environment : No | Dangerous for the environment : No |
|------------------------------------|---|------------------------------------|------------------------------------|------------------------------------|

No supplementary information available

14.6. Special precautions for user

Overland transport

No data available

Transport by sea

No data available

Air transport

No data available

Inland waterway transport

No data available

Rail transport

No data available

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

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to REGULATION (EU) No 649/2012 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 4 July 2012 concerning the export and import of hazardous chemicals.

Substance(s) are not subject to Regulation (EC) No 850/2004 of the European Parliament and of the Council of 29 April 2004 on persistent organic pollutants and amending Directive 79/117/EEC.

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Abbreviations and acronyms:

| | |
|-------|---|
| CLP | Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008 |
| EC50 | Median effective concentration |
| LC50 | Median lethal concentration |
| LD50 | Median lethal dose |
| NOEC | No-Observed Effect Concentration |
| PBT | Persistent Bioaccumulative Toxic |
| REACH | Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006 |
| SDS | Safety Data Sheet |
| vPvB | Very Persistent and Very Bioaccumulative |

Data sources : 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, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Other information : None.

Full text of H- and EUH-statements:

| | |
|-------------------------------------|--|
| Acute Tox. 4 (Dermal) | Acute toxicity (dermal), Category 4 |
| Acute Tox. 4 (Inhalation:dust,mist) | Acute toxicity (inhalation:dust,mist) Category 4 |

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| | |
|---------------------|---|
| Acute Tox. 4 (Oral) | Acute toxicity (oral), Category 4 |
| Aquatic Acute 1 | Hazardous to the aquatic environment — Acute Hazard, Category 1 |
| Aquatic Chronic 1 | Hazardous to the aquatic environment — Chronic Hazard, Category 1 |
| Aquatic Chronic 2 | Hazardous to the aquatic environment — Chronic Hazard, Category 2 |
| Aquatic Chronic 3 | Hazardous to the aquatic environment — Chronic Hazard, Category 3 |
| Aquatic Chronic 4 | Hazardous to the aquatic environment — Chronic Hazard, Category 4 |
| Asp. Tox. 1 | Aspiration hazard, Category 1 |
| Eye Dam. 1 | Serious eye damage/eye irritation, Category 1 |
| Eye Irrit. 2 | Serious eye damage/eye irritation, Category 2 |
| Flam. Liq. 2 | Flammable liquids, Category 2 |
| Flam. Liq. 3 | Flammable liquids, Category 3 |
| Repr. 1B | Reproductive toxicity, Category 1B |
| Repr. 2 | Reproductive toxicity, Category 2 |
| Skin Irrit. 2 | Skin corrosion/irritation, Category 2 |
| Skin Sens. 1 | Skin sensitisation, Category 1 |
| Skin Sens. 1A | Skin sensitisation, category 1A |
| Skin Sens. 1B | Skin sensitisation, category 1B |
| H225 | Highly flammable liquid and vapour. |
| H226 | Flammable liquid and vapour. |
| H302 | Harmful if swallowed. |
| H304 | May be fatal if swallowed and enters airways. |
| H312 | Harmful in contact with skin. |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H318 | Causes serious eye damage. |
| H319 | Causes serious eye irritation. |
| H332 | Harmful if inhaled. |
| H360 | May damage fertility or the unborn child. |
| H361 | Suspected of damaging fertility or the unborn child. |
| 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. |
| H412 | Harmful to aquatic life with long lasting effects. |
| H413 | May cause long lasting harmful effects to aquatic life. |
| EUH210 | Safety data sheet available on request. |

SDS EU (REACH Annex II)

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