

Milk & Donuts

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830
Issue date: 9/27/2021



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

1.1. Product identifier

Product form : Mixture
Product name : Milk & Donuts
UFI : 8VJ5-S4AR-W00M-V23E
Product code :
Type of product : Perfumes, Fragrances
Product group : Trade product

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

1.2.1. Relevant identified uses

Industrial/Professional use spec : For professional use only
Industrial
Use of the substance/mixture : Perfumes, Fragrances
Function or use category : Odour agents

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Kandara Oils Ltd
Unit 11, Agecroft Enterprise Park, Shearer Way,
Manchester, M27 8WA +447786556114
kandaraoils@gmail.com - www.kandaraoils.co.uk

1.4. Emergency telephone number

Emergency number : 07786556114

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Serious eye damage/eye irritation, Category 2 H319
Skin sensitization, Category 1 H317
Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects

May cause an allergic skin reaction. Causes serious eye irritation.

2.2. Label elements

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

Hazard pictograms (CLP) :



GHS07

Signal word (CLP) :

Warning

Contains :

2-Hydroxybenzoic acid, benzyl ester; Linalool; Cinnamic aldehyde; Cyclamal; Coumarin crystals; Furaneol; Heliotropine crystals

Hazard statements (CLP) :

H317 - May cause an allergic skin reaction.
H319 - Causes serious eye irritation.

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Precautionary statements (CLP) : P264 - Wash hands, forearms and face thoroughly after handling.
P272 - Contaminated work clothing should not be allowed out of the workplace.
P280 - Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
P337+P313 - If eye irritation persists: Get medical advice/attention.

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] |
|-------------------------------------|----------------------------------------------------------------------------------------------------|--------------|---------------------------------------------------------------------------------------------------------------------------|
| Vanillin | CAS-No.: 121-33-5 EC-No.: 204-465-2 REACH-no: 01-2119516040-60 | 3 – 6 | Eye Irrit. 2, H319 |
| Phenylmethanol | CAS-No.: 100-51-6 EC-No.: 202-859-9 EC Index-No.: 603-057-00-5 REACH-no: 01-2119492630-38 | 2.5 – 5 | Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation), H332 Eye Irrit. 2, H319 |
| 2-Hydroxybenzoic acid, benzyl ester | CAS-No.: 118-58-1 EC-No.: 204-262-9 EC Index-No.: 607-754-00-5 REACH-no: 01-2119969442-31 | 2 – 4 | Eye Irrit. 2, H319 Skin Sens. 1B, H317 Aquatic Chronic 3, H412 |
| Linalool | CAS-No.: 78-70-6 EC-No.: 201-134-4 EC Index-No.: 603-235-00-2 REACH-no: 01-2119474016-42 | 1 – 2 | Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1B, H317 |
| Ethyl vanillin crystals | CAS-No.: 121-32-4 EC-No.: 204-464-7 REACH-no: 01-211958961-24 | 0.95 – 1.9 | Eye Irrit. 2, H319 |
| Benzyl benzoate | CAS-No.: 120-51-4 EC-No.: 204-402-9 EC Index-No.: 607-085-00-9 REACH-no: 01-2119976371-33 | 0.595 – 1.19 | Acute Tox. 4 (Oral), H302 Aquatic Acute 1, H400 Aquatic Chronic 2, H411 |
| Cinnamic aldehyde | CAS-No.: 104-55-2 EC-No.: 203-213-9 REACH-no: 01-2119935242-45 | 0.5 – 1 | Acute Tox. 4 (Dermal), H312 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Chronic 3, H412 |
| Cyclamal | CAS-No.: 103-95-7 EC-No.: 203-161-7 REACH-no: 01-2119970582-32 | 0.3 – 0.6 | Skin Irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Chronic 2, H411 |

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| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|-----------------------------------------------------------------------|----------------------------------------------------------------------|------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| Coumarin crystals | CAS-No.: 91-64-5 EC-No.: 202-086-7 REACH-no: 01-2119943756-26 | 0.25 – 0.5 | Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation), H331 Skin Sens. 1, H317 Aquatic Chronic 2, H411 |
| Furaneol | CAS-No.: 3658-77-3 EC-No.: 222-908-8 | 0.1 – 0.2 | Acute Tox. 4 (Oral), H302 Skin Corr. 1B, H314 Eye Irrit. 2, H319 Skin Sens. 1A, H317 |
| Heliotropine crystals | CAS-No.: 120-57-0 EC-No.: 204-409-7 REACH-no: 01-2119983608-21 | 0.1 – 0.2 | Skin Sens. 1B, H317 |
| Acetic acid substance with a Community workplace exposure limit | CAS-No.: 64-19-7 EC-No.: 200-580-7 EC Index-No.: 607-002-00-6 | 0 – 0.05 | Flam. Liq. 3, H226 Acute Tox. 4 (Dermal), H312 Skin Corr. 1A, H314 |
| Propionic acid substance with a Community workplace exposure limit | CAS-No.: 79-09-4 EC-No.: 201-176-3 EC Index-No.: 607-089-00-0 | 0 – 0.02 | Flam. Liq. 3, H226 Skin Corr. 1B, H314 STOT SE 3, H335 |

| Specific concentration limits | | |
|-------------------------------|---------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| Name | Product identifier | Specific concentration limits |
| Acetic acid | CAS-No.: 64-19-7 EC-No.: 200-580-7 EC Index-No.: 607-002-00-6 | (10 ≤C < 25) Eye Irrit. 2, H319 (10 ≤C < 25) Skin Irrit. 2, H315 (25 ≤C < 90) Skin Corr. 1B, H314 (90 ≤C < 100) Skin Corr. 1A, H314 |
| Propionic acid | CAS-No.: 79-09-4 EC-No.: 201-176-3 EC Index-No.: 607-089-00-0 | (10 ≤C < 100) STOT SE 3, H335 (10 ≤C < 25) Eye Irrit. 2, H319 (10 ≤C < 25) Skin Irrit. 2, H315 (25 ≤C < 100) Skin Corr. 1B, H314 |

Full text of H- and EUH-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

| | |
|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| First-aid measures after inhalation | : Remove person to fresh air and keep comfortable for breathing. |
| First-aid measures after skin contact | : Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention. |
| First-aid measures after eye contact | : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. |
| First-aid measures after ingestion | : Call a poison center/doctor/physician if you feel unwell. |

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

| | |
|-------------------------------------|----------------------------------------|
| Symptoms/effects after skin contact | : May cause an allergic skin reaction. |
| Symptoms/effects after eye contact | : Eye irritation. |

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

Treat symptomatically.

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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

5.2. Special hazards arising from the substance or mixture

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

5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapors/spray.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material.
Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapors/spray. Wear personal protective equipment.
Hygiene measures : Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Keep cool.

7.3. Specific end use(s)

No additional information available

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. National occupational exposure and biological limit values

| Phenylmethanol (100-51-6) | |
|-----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| Bulgaria - Occupational Exposure Limits | |
| OEL TWA | 5 mg/m ³ |
| Czech Republic - Occupational Exposure Limits | |
| PEL (OEL TWA) | 40 mg/m ³ |
| Finland - Occupational Exposure Limits | |
| HTP (OEL TWA) [1] | 45 mg/m ³ |
| HTP (OEL TWA) [2] | 10 ppm |
| Germany - Occupational Exposure Limits (TRGS 900) | |
| AGW (OEL TWA) [1] | 22 mg/m ³ (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed) |
| AGW (OEL TWA) [2] | 5 ppm (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed) |
| Chemical category | skin notation |
| Latvia - Occupational Exposure Limits | |
| OEL TWA | 5 mg/m ³ |
| Lithuania - Occupational Exposure Limits | |
| IPRV (OEL TWA) | 5 mg/m ³ |
| Chemical category | skin notation |
| Poland - Occupational Exposure Limits | |
| NDS (OEL TWA) | 240 mg/m ³ |
| Slovenia - Occupational Exposure Limits | |
| OEL TWA | 22 mg/m ³ |
| OEL TWA [ppm] | 5 ppm |
| OEL STEL | 44 mg/m ³ |
| OEL STEL [ppm] | 10 ppm |
| Chemical category | Potential for cutaneous absorption |
| Switzerland - Occupational Exposure Limits | |
| MAK (OEL TWA) [1] | 22 mg/m ³ (aerosol, vapour) |
| MAK (OEL TWA) [2] | 5 ppm (aerosol, vapour) |
| Chemical category | skin notation |
| Acetic acid (64-19-7) | |
| EU - Indicative Occupational Exposure Limit (IOEL) | |
| IOEL TWA | 25 mg/m ³ |
| IOEL TWA [ppm] | 10 ppm |
| IOEL STEL | 50 mg/m ³ |
| IOEL STEL [ppm] | 20 ppm |

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| Acetic acid (64-19-7) | |
|------------------------------------------------------|----------------------|
| Austria - Occupational Exposure Limits | |
| MAK (OEL TWA) | 25 mg/m ³ |
| MAK (OEL TWA) [ppm] | 10 ppm |
| MAK (OEL STEL) | 50 mg/m ³ |
| MAK (OEL STEL) [ppm] | 20 ppm |
| Belgium - Occupational Exposure Limits | |
| OEL TWA | 25 mg/m ³ |
| OEL TWA [ppm] | 10 ppm |
| OEL STEL | 38 mg/m ³ |
| OEL STEL [ppm] | 15 ppm |
| Bulgaria - Occupational Exposure Limits | |
| OEL TWA | 25 mg/m ³ |
| OEL TWA [ppm] | 10 ppm |
| OEL STEL | 50 mg/m ³ |
| OEL STEL [ppm] | 20 ppm |
| Croatia - Occupational Exposure Limits | |
| GVI (OEL TWA) [1] | 25 mg/m ³ |
| GVI (OEL TWA) [2] | 10 ppm |
| KGVI (OEL STEL) | 50 mg/m ³ |
| KGVI (OEL STEL) [ppm] | 20 ppm |
| Cyprus - Occupational Exposure Limits | |
| OEL TWA | 25 mg/m ³ |
| OEL TWA [ppm] | 10 ppm |
| OEL STEL | 50 mg/m ³ |
| OEL STEL [ppm] | 20 ppm |
| Czech Republic - Occupational Exposure Limits | |
| PEL (OEL TWA) | 25 mg/m ³ |
| Denmark - Occupational Exposure Limits | |
| OEL TWA [1] | 25 mg/m ³ |
| OEL TWA [2] | 10 ppm |
| Estonia - Occupational Exposure Limits | |
| OEL TWA | 25 mg/m ³ |
| OEL TWA [ppm] | 10 ppm |
| OEL STEL | 25 mg/m ³ |
| OEL STEL [ppm] | 10 ppm |
| Finland - Occupational Exposure Limits | |
| HTP (OEL TWA) [1] | 13 mg/m ³ |
| HTP (OEL TWA) [2] | 5 ppm |
| HTP (OEL STEL) | 25 mg/m ³ |

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| Acetic acid (64-19-7) | |
|----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| HTP (OEL STEL) [ppm] | 10 ppm |
| France - Occupational Exposure Limits | |
| VLE (OEL C/STEL) | 25 mg/m ³ |
| VLE (OEL C/STEL) [ppm] | 10 ppm |
| Germany - Occupational Exposure Limits (TRGS 900) | |
| AGW (OEL TWA) [1] | 25 mg/m ³ (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed) |
| AGW (OEL TWA) [2] | 10 ppm (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed) |
| Gibraltar - Occupational Exposure Limits | |
| OEL TWA | 25 mg/m ³ |
| OEL TWA [ppm] | 10 ppm |
| OEL STEL | 50 mg/m ³ |
| OEL STEL [ppm] | 20 ppm |
| Greece - Occupational Exposure Limits | |
| OEL TWA | 25 mg/m ³ |
| OEL TWA [ppm] | 10 ppm |
| OEL STEL | 37 mg/m ³ |
| OEL STEL [ppm] | 15 ppm |
| Hungary - Occupational Exposure Limits | |
| AK (OEL TWA) | 25 mg/m ³ |
| CK (OEL STEL) | 50 mg/m ³ |
| Ireland - Occupational Exposure Limits | |
| OEL TWA [1] | 50 mg/m ³ |
| OEL TWA [2] | 20 ppm |
| OEL STEL | 50 mg/m ³ |
| OEL STEL [ppm] | 20 ppm |
| Italy - Occupational Exposure Limits | |
| OEL TWA | 10 mg/m ³ |
| OEL TWA [ppm] | 25 ppm |
| OEL STEL | 50 mg/m ³ |
| OEL STEL [ppm] | 20 ppm |
| Latvia - Occupational Exposure Limits | |
| OEL TWA | 25 mg/m ³ |
| OEL TWA [ppm] | 10 ppm |
| Lithuania - Occupational Exposure Limits | |
| IPRV (OEL TWA) | 25 mg/m ³ |
| IPRV (OEL TWA) [ppm] | 10 ppm |
| TPRV (OEL STEL) | 50 mg/m ³ |
| TPRV (OEL STEL) [ppm] | 20 ppm |

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| Acetic acid (64-19-7) | |
|---------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| Luxembourg - Occupational Exposure Limits | |
| OEL TWA | 25 mg/m ³ |
| OEL TWA [ppm] | 10 ppm |
| OEL STEL | 50 mg/m ³ |
| OEL STEL [ppm] | 20 ppm |
| Malta - Occupational Exposure Limits | |
| OEL TWA | 25 mg/m ³ |
| OEL TWA [ppm] | 10 ppm |
| OEL STEL | 50 mg/m ³ |
| OEL STEL [ppm] | 20 ppm |
| Netherlands - Occupational Exposure Limits | |
| TGG-8u (OEL TWA) | 25 mg/m ³ |
| TGG-15min (OEL STEL) | 50 mg/m ³ |
| Poland - Occupational Exposure Limits | |
| NDS (OEL TWA) | 25 mg/m ³ |
| NDSCh (OEL STEL) | 50 mg/m ³ |
| Portugal - Occupational Exposure Limits | |
| OEL TWA | 25 mg/m ³ (indicative limit value) |
| OEL TWA [ppm] | 10 ppm (indicative limit value) |
| OEL STEL | 50 mg/m ³ (indicative limit value) |
| OEL STEL [ppm] | 20 ppm (indicative limit value) |
| Romania - Occupational Exposure Limits | |
| OEL TWA | 25 mg/m ³ (for gaseous or vapor phase chemicals, the limit value is expressed at 20°C and 101.3 kPa) |
| OEL TWA [ppm] | 10 ppm |
| OEL STEL | 50 mg/m ³ (for gaseous or vapor phase chemicals, the limit value is expressed at 20°C and 101.3 kPa) |
| OEL STEL [ppm] | 20 ppm |
| Slovakia - Occupational Exposure Limits | |
| NPHV (OEL TWA) [1] | 25 mg/m ³ |
| NPHV (OEL TWA) [2] | 10 ppm |
| NPHV (OEL C) | 50 mg/m ³ |
| Slovenia - Occupational Exposure Limits | |
| OEL TWA | 25 mg/m ³ |
| OEL TWA [ppm] | 10 ppm |
| OEL STEL | 50 mg/m ³ |
| OEL STEL [ppm] | 20 ppm |
| Spain - Occupational Exposure Limits | |
| VLA-ED (OEL TWA) [1] | 25 mg/m ³ |
| VLA-ED (OEL TWA) [2] | 10 ppm |

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| Acetic acid (64-19-7) | |
|-----------------------------------------------------------|--------------------------------------------------|
| VLA-EC (OEL STEL) | 50 mg/m ³ |
| VLA-EC (OEL STEL) [ppm] | 20 ppm |
| Sweden - Occupational Exposure Limits | |
| NGV (OEL TWA) | 13 mg/m ³ |
| NGV (OEL TWA) [ppm] | 5 ppm |
| KTV (OEL STEL) | 25 mg/m ³ |
| KTV (OEL STEL) [ppm] | 10 ppm |
| United Kingdom - Occupational Exposure Limits | |
| WEL TWA (OEL TWA) [1] | 25 mg/m ³ |
| WEL TWA (OEL TWA) [2] | 10 ppm |
| WEL STEL (OEL STEL) | 50 mg/m ³ |
| WEL STEL (OEL STEL) [ppm] | 20 ppm |
| Norway - Occupational Exposure Limits | |
| Grenseverdi (OEL TWA) [1] | 25 mg/m ³ |
| Grenseverdi (OEL TWA) [2] | 10 ppm |
| Korttidsverdi (OEL STEL) | 50 mg/m ³ (value from the regulation) |
| Korttidsverdi (OEL STEL) [ppm] | 20 ppm (value from the regulation) |
| Chemical category | Sensitizing substance |
| Switzerland - Occupational Exposure Limits | |
| MAK (OEL TWA) [1] | 25 mg/m ³ |
| MAK (OEL TWA) [2] | 10 ppm |
| KZGW (OEL STEL) | 50 mg/m ³ |
| KZGW (OEL STEL) [ppm] | 20 ppm |
| Turkey - Occupational Exposure Limits | |
| OEL TWA | 25 mg/m ³ |
| OEL TWA [ppm] | 10 ppm |
| USA - ACGIH - Occupational Exposure Limits | |
| ACGIH OEL TWA [ppm] | 10 ppm |
| ACGIH OEL STEL [ppm] | 15 ppm |
| Propionic acid (79-09-4) | |
| EU - Indicative Occupational Exposure Limit (IOEL) | |
| IOEL TWA | 31 mg/m ³ |
| IOEL TWA [ppm] | 10 ppm |
| IOEL STEL | 62 mg/m ³ |
| IOEL STEL [ppm] | 20 ppm |
| Austria - Occupational Exposure Limits | |
| MAK (OEL TWA) | 31 mg/m ³ |
| MAK (OEL TWA) [ppm] | 10 ppm |
| MAK (OEL STEL) | 62 mg/m ³ |

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| Propionic acid (79-09-4) | |
|------------------------------------------------------|-----------------------------------------|
| MAK (OEL STEL) [ppm] | 20 ppm |
| Belgium - Occupational Exposure Limits | |
| OEL TWA | 31 mg/m ³ |
| OEL TWA [ppm] | 10 ppm |
| OEL STEL | 62 mg/m ³ |
| OEL STEL [ppm] | 20 ppm |
| Bulgaria - Occupational Exposure Limits | |
| OEL TWA | 31 mg/m ³ |
| OEL TWA [ppm] | 10 ppm |
| OEL STEL | 62 mg/m ³ |
| OEL STEL [ppm] | 20 ppm |
| Croatia - Occupational Exposure Limits | |
| GVI (OEL TWA) [1] | 31 mg/m ³ |
| GVI (OEL TWA) [2] | 10 ppm |
| KGVI (OEL STEL) | 62 mg/m ³ |
| KGVI (OEL STEL) [ppm] | 20 ppm |
| Cyprus - Occupational Exposure Limits | |
| OEL TWA | 31 mg/m ³ |
| OEL TWA [ppm] | 10 ppm |
| OEL STEL | 62 mg/m ³ |
| OEL STEL [ppm] | 20 ppm |
| Czech Republic - Occupational Exposure Limits | |
| PEL (OEL TWA) | 30 mg/m ³ |
| Denmark - Occupational Exposure Limits | |
| OEL TWA [1] | 31 mg/m ³ |
| OEL TWA [2] | 10 ppm |
| Estonia - Occupational Exposure Limits | |
| OEL TWA | 30 mg/m ³ |
| OEL TWA [ppm] | 10 ppm |
| OEL STEL | 62 mg/m ³ |
| OEL STEL [ppm] | 20 ppm |
| Finland - Occupational Exposure Limits | |
| HTP (OEL TWA) [1] | 31 mg/m ³ |
| HTP (OEL TWA) [2] | 10 ppm |
| HTP (OEL STEL) | 61 mg/m ³ |
| HTP (OEL STEL) [ppm] | 20 ppm |
| France - Occupational Exposure Limits | |
| VME (OEL TWA) | 31 mg/m ³ (indicative limit) |
| VME (OEL TWA) [ppm] | 10 ppm (indicative limit) |

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| Propionic acid (79-09-4) | |
|----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| VLE (OEL C/STEL) | 62 mg/m ³ (indicative limit) |
| VLE (OEL C/STEL) [ppm] | 20 ppm (indicative limit) |
| Germany - Occupational Exposure Limits (TRGS 900) | |
| AGW (OEL TWA) [1] | 31 mg/m ³ (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed) |
| AGW (OEL TWA) [2] | 10 ppm (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed) |
| Gibraltar - Occupational Exposure Limits | |
| OEL TWA | 31 mg/m ³ |
| OEL TWA [ppm] | 10 ppm |
| OEL STEL | 62 mg/m ³ |
| OEL STEL [ppm] | 20 ppm |
| Greece - Occupational Exposure Limits | |
| OEL TWA | 30 mg/m ³ |
| OEL TWA [ppm] | 10 ppm |
| OEL STEL | 60 mg/m ³ |
| OEL STEL [ppm] | 20 ppm |
| Hungary - Occupational Exposure Limits | |
| AK (OEL TWA) | 31 mg/m ³ |
| CK (OEL STEL) | 62 mg/m ³ |
| Ireland - Occupational Exposure Limits | |
| OEL TWA [1] | 31 mg/m ³ |
| OEL TWA [2] | 10 ppm |
| OEL STEL | 62 mg/m ³ |
| OEL STEL [ppm] | 20 ppm |
| Italy - Occupational Exposure Limits | |
| OEL TWA | 31 mg/m ³ |
| OEL TWA [ppm] | 10 ppm |
| OEL STEL | 62 mg/m ³ |
| OEL STEL [ppm] | 20 ppm |
| Latvia - Occupational Exposure Limits | |
| OEL TWA | 31 mg/m ³ |
| OEL TWA [ppm] | 10 ppm |
| Lithuania - Occupational Exposure Limits | |
| IPRV (OEL TWA) | 31 mg/m ³ |
| IPRV (OEL TWA) [ppm] | 10 ppm |
| TPRV (OEL STEL) | 62 mg/m ³ |
| TPRV (OEL STEL) [ppm] | 20 ppm |
| Luxembourg - Occupational Exposure Limits | |
| OEL TWA | 31 mg/m ³ |

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| Propionic acid (79-09-4) | |
|---------------------------------------------------|-----------------------------------------------|
| OEL TWA [ppm] | 10 ppm |
| OEL STEL | 62 mg/m ³ |
| OEL STEL [ppm] | 20 ppm |
| Malta - Occupational Exposure Limits | |
| OEL TWA | 31 mg/m ³ |
| OEL TWA [ppm] | 10 ppm |
| OEL STEL | 62 mg/m ³ |
| OEL STEL [ppm] | 20 ppm |
| Netherlands - Occupational Exposure Limits | |
| TGG-8u (OEL TWA) | 31 mg/m ³ |
| TGG-15min (OEL STEL) | 62 mg/m ³ |
| Poland - Occupational Exposure Limits | |
| NDS (OEL TWA) | 30 mg/m ³ |
| NDSch (OEL STEL) | 45 mg/m ³ |
| Portugal - Occupational Exposure Limits | |
| OEL TWA | 31 mg/m ³ (indicative limit value) |
| OEL TWA [ppm] | 10 ppm (indicative limit value) |
| OEL STEL | 62 mg/m ³ (indicative limit value) |
| OEL STEL [ppm] | 20 ppm (indicative limit value) |
| Romania - Occupational Exposure Limits | |
| OEL TWA | 31 mg/m ³ |
| OEL TWA [ppm] | 10 ppm |
| OEL STEL | 62 mg/m ³ |
| OEL STEL [ppm] | 20 ppm |
| Slovakia - Occupational Exposure Limits | |
| NPHV (OEL TWA) [1] | 31 mg/m ³ |
| NPHV (OEL TWA) [2] | 10 ppm |
| NPHV (OEL C) | 62 mg/m ³ |
| Slovenia - Occupational Exposure Limits | |
| OEL TWA | 31 mg/m ³ |
| OEL TWA [ppm] | 10 ppm |
| OEL STEL | 62 mg/m ³ |
| OEL STEL [ppm] | 20 ppm |
| Spain - Occupational Exposure Limits | |
| VLA-ED (OEL TWA) [1] | 31 mg/m ³ (indicative limit value) |
| VLA-ED (OEL TWA) [2] | 10 ppm (indicative limit value) |
| VLA-EC (OEL STEL) | 62 mg/m ³ |
| VLA-EC (OEL STEL) [ppm] | 20 ppm |

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| Propionic acid (79-09-4) | |
|------------------------------------------------------|-----------------------------------------|
| Sweden - Occupational Exposure Limits | |
| NGV (OEL TWA) | 30 mg/m ³ |
| NGV (OEL TWA) [ppm] | 10 ppm |
| KTV (OEL STEL) | 62 mg/m ³ |
| KTV (OEL STEL) [ppm] | 20 ppm |
| United Kingdom - Occupational Exposure Limits | |
| WEL TWA (OEL TWA) [1] | 31 mg/m ³ |
| WEL TWA (OEL TWA) [2] | 10 ppm |
| WEL STEL (OEL STEL) | 46 mg/m ³ |
| WEL STEL (OEL STEL) [ppm] | 15 ppm |
| Norway - Occupational Exposure Limits | |
| Grenseverdi (OEL TWA) [1] | 30 mg/m ³ |
| Grenseverdi (OEL TWA) [2] | 10 ppm |
| Korttidsverdi (OEL STEL) | 45 mg/m ³ (value calculated) |
| Korttidsverdi (OEL STEL) [ppm] | 20 ppm (value calculated) |
| Switzerland - Occupational Exposure Limits | |
| MAK (OEL TWA) [1] | 30 mg/m ³ |
| MAK (OEL TWA) [2] | 10 ppm |
| KZGW (OEL STEL) | 60 mg/m ³ |
| KZGW (OEL STEL) [ppm] | 20 ppm |
| Turkey - Occupational Exposure Limits | |
| OEL TWA | 31 mg/m ³ |
| OEL TWA [ppm] | 10 ppm |
| OEL STEL | 62 mg/m ³ |
| OEL STEL [ppm] | 20 ppm |
| USA - ACGIH - Occupational Exposure Limits | |
| ACGIH OEL TWA [ppm] | 10 ppm |

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

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8.2.2. Personal protection equipment

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection:

Safety glasses

8.2.2.2. Skin protection

Skin and body protection:

Wear suitable protective clothing

Hand protection:

Protective gloves

8.2.2.3. Respiratory protection

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|-------------------------------------------------|-----------------------------------|
| Physical state | : Liquid |
| Color | : light yellow. amber. |
| Odor | : characteristic. |
| Odor threshold | : No data available |
| pH | : No data available |
| Relative evaporation rate (butyl acetate=1) | : No data available |
| Melting point | : Not applicable |
| Freezing point | : No data available |
| Boiling point | : No data available |
| Flash point | : > 93 °C (closed cup) ASTM D7094 |
| Auto-ignition temperature | : No data available |
| Decomposition temperature | : No data available |
| Flammability (solid, gas) | : Not applicable |
| Vapor pressure | : No data available |
| Relative vapor density at 20 °C | : No data available |
| Relative density | : 0.97 |
| Solubility | : No data available |
| Partition coefficient n-octanol/water (Log Pow) | : No data available |
| Viscosity, kinematic | : No data available |
| Viscosity, dynamic | : No data available |
| Explosive properties | : No data available |
| Oxidizing properties | : No data available |
| Explosion 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

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

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

| Vanillin (121-33-5) | |
|------------------------------------------------|------------------------|
| LD50 dermal rabbit | > 5010 mg/kg |
| Phenylmethanol (100-51-6) | |
| LD50 oral rat | 1230 mg/kg |
| LD50 oral | 1620 mg/kg body weight |
| LD50 dermal | 2500 mg/kg body weight |
| 2-Hydroxybenzoic acid, benzyl ester (118-58-1) | |
| LD50 oral rat | 2227 mg/kg |
| LD50 oral | 2200 mg/kg body weight |
| LD50 dermal rabbit | > 5000 mg/kg |
| Linalool (78-70-6) | |
| LD50 oral | 2790 mg/kg body weight |
| Ethyl vanillin crystals (121-32-4) | |
| LD50 oral rat | 1590 mg/kg |
| LD50 oral | 3000 mg/kg body weight |
| LD50 dermal rat | > 2000 mg/kg |
| Benzyl benzoate (120-51-4) | |
| LD50 oral rat | 500 mg/kg |
| LD50 oral | 1500 mg/kg body weight |

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| Benzyl benzoate (120-51-4) | |
|-----------------------------------------|----------------------------------|
| LD50 dermal rabbit | 4000 mg/kg |
| LD50 dermal | 4000 mg/kg body weight |
| Cinnamic aldehyde (104-55-2) | |
| LD50 oral rat | 2220 mg/kg |
| LD50 oral | 2200 mg/kg body weight |
| LD50 dermal rabbit | 1260 mg/kg |
| LD50 dermal | 1100 mg/kg body weight |
| Cyclamal (103-95-7) | |
| LD50 oral rat | 3810 mg/kg |
| LD50 oral | 3810 mg/kg body weight |
| LD50 dermal rat | > 5000 mg/kg |
| Coumarin crystals (91-64-5) | |
| LD50 oral rat | > 5000 mg/kg |
| LD50 oral | 500 mg/kg body weight |
| LD50 dermal rat | 293 mg/kg |
| Furaneol (3658-77-3) | |
| LD50 oral | 1608 mg/kg body weight |
| Heliotropine crystals (120-57-0) | |
| LD50 oral rat | 2700 mg/kg |
| LD50 oral | 2700 mg/kg body weight |
| LD50 dermal rat | > 5000 mg/kg |
| Acetic acid (64-19-7) | |
| LD50 oral rat | 3310 mg/kg |
| LD50 oral | 3540 mg/kg body weight |
| LD50 dermal rabbit | 1060 mg/kg |
| LD50 dermal | 1100 mg/kg body weight |
| LC50 Inhalation - Rat | 11.4 mg/l/4h |
| Propionic acid (79-09-4) | |
| LD50 oral rat | 351 mg/kg |
| LD50 oral | 3455 mg/kg body weight |
| LD50 dermal rat | 3235 mg/kg |
| LD50 dermal | 3235 mg/kg body weight |
| LC50 Inhalation - Rat | > 19.7 mg/l (Exposure time: 1 h) |

| | |
|-----------------------------------|----------------------------------------|
| Skin corrosion/irritation | : Not classified |
| Serious eye damage/irritation | : Causes serious eye irritation. |
| Respiratory or skin sensitization | : May cause an allergic skin reaction. |
| Germ cell mutagenicity | : Not classified |
| Carcinogenicity | : Not classified |

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| Coumarin crystals (91-64-5) | |
|------------------------------------|-----------------------------------|
| IARC group | 3 - Not classifiable |
| Reproductive toxicity | : Not classified |
| STOT-single exposure | : Not classified |
| Propionic acid (79-09-4) | |
| STOT-single exposure | May cause respiratory irritation. |
| STOT-repeated exposure | : Not classified |
| Aspiration hazard | : Not classified |

SECTION 12: Ecological information

12.1. Toxicity

| | |
|-----------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|
| Ecology - general | : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment. |
| Hazardous to the aquatic environment, short-term (acute) | : Not classified |
| Hazardous to the aquatic environment, long-term (chronic) | : Not classified |

| Vanillin (121-33-5) | |
|----------------------------|------------------------------------------------------------------------------------|
| LC50 - Fish [1] | 53 – 61.3 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through]) |
| LC50 - Fish [2] | 88 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static]) |
| NOEC (acute) | 10000 mg/kg (Exposure time: 42 Days - Species: Eisenia foetida [soil dry weight]) |

| Phenylmethanol (100-51-6) | |
|----------------------------------|------------------------------------------------------------------------|
| LC50 - Fish [1] | 460 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static]) |
| LC50 - Fish [2] | 10 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static]) |
| EC50 - Crustacea [1] | 23 mg/l (Exposure time: 48 h - Species: water flea) |

| 2-Hydroxybenzoic acid, benzyl ester (118-58-1) | |
|-------------------------------------------------------|----------------------------------------------------------------------|
| LC50 - Fish [1] | 1.03 mg/l (Exposure time: 96 h - Species: Danio rerio [semi-static]) |

| Linalool (78-70-6) | |
|---------------------------|---------------------------------------------|
| EC50 96h - Algae [1] | 88.3 mg/l (Species: Desmodemus subspicatus) |

| Ethyl vanillin crystals (121-32-4) | |
|-------------------------------------------|--------------------------------------------------------------------------------------|
| LC50 - Fish [1] | 81.4 – 94.3 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through]) |

| Benzyl benzoate (120-51-4) | |
|-----------------------------------|----------------------------------------------------------------------|
| LC50 - Fish [1] | 2.32 mg/l (Exposure time: 96 h - Species: Danio rerio [semi-static]) |
| NOEC (chronic) | 0.168 mg/l |

| Heliotropine crystals (120-57-0) | |
|-----------------------------------------|--------------------------------------------------------------------|
| LC50 - Fish [1] | 2.5 mg/l (Exposure time: 96 h - Species: Cyprinus carpio [static]) |

| Acetic acid (64-19-7) | |
|------------------------------|-----------------------------------------------------------------------|
| LC50 - Fish [1] | 79 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static]) |
| LC50 - Fish [2] | 75 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static]) |
| EC50 - Crustacea [1] | 65 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static]) |

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| Propionic acid (79-09-4) | |
|--------------------------|------------------------------------------------------------------------------|
| LC50 - Fish [1] | > 1 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static]) |
| LC50 - Fish [2] | 73 – 99.7 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static]) |
| EC50 72h - Algae [1] | 45.8 mg/l (Species: Desmodesmus subspicatus) |
| EC50 96h - Algae [1] | 43 mg/l (Species: Desmodesmus subspicatus) |

12.2. Persistence and degradability

| Benzyl benzoate (120-51-4) | |
|-------------------------------|---------------------------------------------------------|
| Persistence and degradability | May cause long-term adverse effects in the environment. |

12.3. Bioaccumulative potential

| Vanillin (121-33-5) | |
|-------------------------------------------------|-----------------|
| Partition coefficient n-octanol/water (Log Pow) | 1.23 (at 22 °C) |

| Phenylmethanol (100-51-6) | |
|-------------------------------------------------|-----|
| Partition coefficient n-octanol/water (Log Pow) | 1.1 |

| Benzyl benzoate (120-51-4) | |
|-------------------------------------------------|------------------|
| Partition coefficient n-octanol/water (Log Pow) | 4 |
| Bioaccumulative potential | Not established. |

| Cinnamic aldehyde (104-55-2) | |
|-------------------------------------------------|-----------------|
| Partition coefficient n-octanol/water (Log Pow) | 2.22 (at 18 °C) |

| Acetic acid (64-19-7) | |
|-------------------------------------------------|------------------|
| Partition coefficient n-octanol/water (Log Pow) | -0.31 (at 20 °C) |

| Propionic acid (79-09-4) | |
|-------------------------------------------------|-------------|
| Partition coefficient n-octanol/water (Log Pow) | 0.25 – 0.33 |

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14: Transport information

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

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14.1. UN number

| | |
|---------------|------------------|
| UN-No. (ADR) | : Not applicable |
| UN-No. (IMDG) | : Not applicable |
| UN-No. (IATA) | : Not applicable |
| UN-No. (ADN) | : Not applicable |
| UN-No. (RID) | : Not applicable |

14.2. UN proper shipping name

| | |
|-----------------------------|------------------|
| Proper Shipping Name (ADR) | : Not applicable |
| Proper Shipping Name (IMDG) | : Not applicable |
| Proper Shipping Name (IATA) | : Not applicable |
| Proper Shipping Name (ADN) | : Not applicable |
| Proper Shipping Name (RID) | : Not applicable |

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

| | |
|----------------------|------------------|
| Packing group (ADR) | : Not applicable |
| Packing group (IMDG) | : Not applicable |
| Packing group (IATA) | : Not applicable |
| Packing group (ADN) | : Not applicable |
| Packing group (RID) | : Not applicable |

14.5. Environmental hazards

| | |
|-------------------------------|------------------------------------------|
| Dangerous for the environment | : No |
| Marine pollutant | : No |
| Other information | : No supplementary information available |

14.6. Special precautions for user

Overland transport

Not applicable

Transport by sea

Not applicable

Air transport

Not applicable

Inland waterway transport

Not applicable

Rail transport

Not applicable

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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

EU restriction list (REACH Annex XVII)

| Reference code | Applicable on |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 3(a) | Acetic acid ; Propionic acid |
| 3(b) | Milk & Donuts ; Phenylmethanol ; 2-Hydroxybenzoic acid, benzyl ester ; Linalool ; Benzyl benzoate ; Cinnamic aldehyde ; Cyclamal ; Furaneol ; Acetic acid ; Propionic acid |
| 3(c) | 2-Hydroxybenzoic acid, benzyl ester ; Benzyl benzoate ; Cinnamic aldehyde ; Cyclamal |
| 40. | Acetic acid ; Propionic acid |

Contains no REACH candidate substance

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.

Contains no substance(s) subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

15.1.2. National regulations

Germany

- Employment restrictions : Observe restrictions according Act on the Protection of Working Mothers (MuSchG)
Observe restrictions according Act on the Protection of Young People in Employment (JArbSchG)
- Water hazard class (WGK) : WGK 2, significant hazardous to water (Classification according to AwSV, Annex 1)
- Hazardous Incident Ordinance (12. BImSchV) : Is not subject of the Hazardous Incident Ordinance (12. BImSchV)
- List of sensitizing substances (TRGS 907) : Contains sensitizing substances according TRGS 907

Netherlands

- SZW-lijst van kankerverwekkende stoffen : None of the components are listed
- SZW-lijst van mutagene stoffen : None of the components are listed
- SZW-lijst van reprotoxische stoffen – Borstvoeding : None of the components are listed
- SZW-lijst van reprotoxische stoffen – Vruchtbaarheid : None of the components are listed
- SZW-lijst van reprotoxische stoffen – Ontwikkeling : None of the components are listed

Denmark

- Classification remarks : Emergency management guidelines for the storage of flammable liquids must be followed
- Danish National Regulations : Young people below the age of 18 years are not allowed to use the product
Pregnant/breastfeeding women working with the product must not be in direct contact with the product

Switzerland

- Storage class (LK) : LK 10/12 - Liquids

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Abbreviations and acronyms

| | |
|-----|-------------------------------------------------------------------------------------------------|
| ADN | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways |
| ADR | European Agreement concerning the International Carriage of Dangerous Goods by Road |

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| Abbreviations and acronyms | |
|----------------------------|------------------------------------------------------------------------------|
| ATE | Acute Toxicity Estimate |
| BCF | Bioconcentration factor |
| BLV | Biological limit value |
| BOD | Biochemical oxygen demand (BOD) |
| COD | Chemical oxygen demand (COD) |
| DMEL | Derived Minimal Effect level |
| DNEL | Derived-No Effect Level |
| EC-No. | European Community number |
| EC50 | Median effective concentration |
| EN | European Standard |
| IARC | International Agency for Research on Cancer |
| IATA | International Air Transport Association |
| IMDG | International Maritime Dangerous Goods |
| LC50 | Median lethal concentration |
| LD50 | Median lethal dose |
| LOAEL | Lowest Observed Adverse Effect Level |
| NOAEC | No-Observed Adverse Effect Concentration |
| NOAEL | No-Observed Adverse Effect Level |
| NOEC | No-Observed Effect Concentration |
| OECD | Organisation for Economic Co-operation and Development |
| OEL | Occupational Exposure Limit |
| PBT | Persistent Bioaccumulative Toxic |
| PNEC | Predicted No-Effect Concentration |
| RID | Regulations concerning the International Carriage of Dangerous Goods by Rail |
| SDS | Safety Data Sheet |
| STP | Sewage treatment plant |
| ThOD | Theoretical oxygen demand (ThOD) |
| TLM | Median Tolerance Limit |
| VOC | Volatile Organic Compounds |
| CAS-No. | Chemical Abstract Service number |
| N.O.S. | Not Otherwise Specified |
| vPvB | Very Persistent and Very Bioaccumulative |
| ED | Endocrine disrupting properties |

| Full text of H- and EUH-phrases | |
|---------------------------------|----------------------------------------|
| Acute Tox. 3 (Dermal) | Acute toxicity (dermal), Category 3 |
| Acute Tox. 3 (Inhalation) | Acute toxicity (inhalation) Category 3 |
| Acute Tox. 3 (Oral) | Acute toxicity (oral) Category 3 |
| Acute Tox. 4 (Dermal) | Acute toxicity (dermal), Category 4 |

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| Full text of H- and EUH-phrases | |
|---------------------------------|--------------------------------------------------------------------------------------------|
| Acute Tox. 4 (Inhalation) | Acute toxicity (inhalation) Category 4 |
| Acute Tox. 4 (Oral) | Acute toxicity (oral) Category 4 |
| Aquatic Acute 1 | Hazardous to the aquatic environment - Acute 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 |
| Eye Irrit. 2 | Serious eye damage/eye irritation, Category 2 |
| Flam. Liq. 3 | Flammable liquids Category 3 |
| Skin Corr. 1A | Skin corrosion/irritation, Category 1, Sub-Category 1A |
| Skin Corr. 1B | Skin corrosion/irritation, Category 1, Sub-Category 1B |
| Skin Irrit. 2 | Skin corrosion/irritation Category 2 |
| Skin Sens. 1 | Skin sensitization, Category 1 |
| Skin Sens. 1A | Skin sensitization, Category 1A |
| Skin Sens. 1B | Skin sensitization, Category 1B |
| STOT SE 3 | Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation |
| H226 | Flammable liquid and vapor. |
| H301 | Toxic if swallowed. |
| H302 | Harmful if swallowed. |
| H311 | Toxic in contact with skin. |
| H312 | Harmful in contact with skin. |
| H314 | Causes severe skin burns and eye damage. |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H319 | Causes serious eye irritation. |
| H331 | Toxic if inhaled. |
| H332 | Harmful if inhaled. |
| H335 | May cause respiratory irritation. |
| H400 | Very toxic to aquatic life. |
| H411 | Toxic to aquatic life with long lasting effects. |
| H412 | Harmful to aquatic life with long lasting effects. |

Safety Data Sheet (SDS), EU

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.