

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

1.1. Product identifier

| | |
|-----------------|------------------------|
| Product form | : Mixture |
| Trade name | : POPCORN RD #EU40287F |
| UFI | : HUJK-V3VE-100V-63D2 |
| Product code | : EU40287F |
| Type of product | : Perfumes, fragrances |

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

1.2.1. Relevant identified uses

| | |
|----------------------------------|---|
| Main use category | : Industrial use, Professional use |
| 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

FRENCH COLOR & FRAGRANCE International GmbH
Mittlerer Weg 35
DE- 79424 Auggen
Germany
T 49-7631-931-8900
SDS@frenchcolor.com - www.frenchcolor.com

1.4. Emergency telephone number

| | |
|------------------|--|
| Emergency number | : 1-800-255-3924; +01-813-248-0585; China:+400-120-0751; Mexico:+01-800-099-0731; Brazil: +0-800-591-6042; India: +000-800-100-4086 |
|------------------|--|

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

| | |
|---|------|
| Acute toxicity (oral), Category 4 | H302 |
| Skin sensitisation, Category 1 | H317 |
| Hazardous to the aquatic environment – Chronic Hazard, Category 3 | H412 |
| Full text of H- and EUH-statements: see section 16 | |

Adverse physicochemical, human health and environmental effects

Harmful if swallowed. Harmful to aquatic life with long lasting effects. May cause an allergic skin reaction.

2.2. Label elements

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

Hazard pictograms (CLP)



GHS07

Signal word (CLP)

: Warning

Contains

: Ethyl maltol; COUMARIN; Benzyl benzoate; 1,2-Cyclopentanedione, 3-methyl-

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| | |
|--------------------------------|--|
| Hazard statements (CLP) | : H302 - Harmful if swallowed. H317 - May cause an allergic skin reaction. H412 - Harmful to aquatic life with long lasting effects. |
| Precautionary statements (CLP) | : P261 - Avoid breathing dust/fume/gas/mist/vapours/spray. P264 - Wash hands, forearms and face thoroughly after handling. P270 - Do not eat, drink or smoke when using this product. P272 - Contaminated work clothing should not be allowed out of the workplace. P273 - Avoid release to the environment. P280 - Wear protective gloves/protective clothing/eye protection/face protection/hearing protection. |

2.3. Other hazards

Contains no PBT/vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

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] |
|---|--|----------------|--|
| Dipropylene glycol monomethyl ether substance with national workplace exposure limit(s) (AT, BE, BG, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GI, GR, HR, HU, IE, IT, LT, LU, LV, MT, NL, PL, PT, RO, SE, SI, SK, NO, CH, TR); substance with a Community workplace exposure limit | CAS-No.: 34590-94-8 EC-No.: 252-104-2 | 26.6 – 53.1026 | Not classified |
| Ethyl maltol | CAS-No.: 4940-11-8 EC-No.: 225-582-5 | 4.9 – 9.7505 | Acute Tox. 4 (Oral), H302 |
| Anisic aldehyde | CAS-No.: 123-11-5 EC-No.: 204-602-6 REACH-no: 01-2119977101-43 | 2.5 – 5.0502 | Aquatic Chronic 3, H412 |
| COUMARIN | CAS-No.: 91-64-5 EC-No.: 202-086-7 REACH-no: 01-2119943756-26 | 2.5 – 5.0502 | Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation), H331 Skin Sens. 1, H317 Aquatic Chronic 2, H411 |
| Benzyl benzoate | CAS-No.: 120-51-4 EC-No.: 204-402-9 EC Index-No.: 607-085-00-9 REACH-no: 01-2119976371-33 | 1.6 – 3.2177 | Acute Tox. 4 (Oral), H302 Aquatic Acute 1, H400 Aquatic Chronic 2, H411 |
| Amyl salicylate | CAS-No.: 2050-08-0 EC-No.: 218-080-2 REACH-no: 01-2119969444-27 | 0.3 – 0.5 | Acute Tox. 4 (Oral), H302 Aquatic Chronic 1, H410 |
| 1,2-Cyclopentanedione, 3-methyl- | CAS-No.: 765-70-8 EC-No.: 212-154-8 | 0.2 – 0.45 | Acute Tox. 4 (Oral), H302 Skin Sens. 1, H317 |

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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 general | : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible). Call a poison center or a doctor if you feel unwell. |
| 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. If skin irritation or rash occurs: Get medical advice/attention. Specific treatment (see Get medical advice/attention. on this label). If skin irritation occurs: Get medical advice/attention. 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 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 | : Do NOT induce vomiting. Obtain emergency medical attention. Call a POISON CENTER/doctor if you feel unwell. Rinse mouth. 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 | : May cause an allergic skin reaction. |

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 | : Sand. 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. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray. |
|----------------------|--|

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. |

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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

- 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 Section 8. Exposure controls and personal protection. 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. 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. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray. Wear personal protective equipment.
- Hygiene measures : Wash hands thoroughly after handling. 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 : Keep only in the original container in a cool, well ventilated place away from : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container closed when not in use. Store in a well-ventilated place. Keep cool.
- Incompatible products : Strong bases. Strong acids.
- Incompatible materials : Sources of ignition. Direct sunlight.
- Storage temperature : 25 °C
- Storage area : Store in a well-ventilated place. Store away from heat.
- Special rules on packaging : Store in a closed container.
- Packaging materials : Do not store in corrodable metal.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

| Dipropylene glycol monomethyl ether (34590-94-8) | |
|--|--|
| EU - Indicative Occupational Exposure Limit (IOEL) | |
| IOEL TWA | 308 mg/m ³ |
| IOEL TWA [ppm] | 50 ppm |
| Remark | Possibility of significant uptake through the skin |
| Austria - Occupational Exposure Limits | |
| MAK (OEL TWA) | 307 mg/m ³ (mixed isomers) |
| MAK (OEL TWA) [ppm] | 50 ppm (mixed isomers) |
| MAK (OEL STEL) | 614 mg/m ³ (isomers mixtures) |
| MAK (OEL STEL) [ppm] | 100 ppm (isomers mixtures) |

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| Dipropylene glycol monomethyl ether (34590-94-8) | |
|--|---|
| OEL chemical category | Skin notation |
| Belgium - Occupational Exposure Limits | |
| OEL TWA | 308 mg/m ³ |
| OEL TWA [ppm] | 50 ppm |
| OEL chemical category | Skin, Skin notation |
| Bulgaria - Occupational Exposure Limits | |
| OEL TWA | 308 mg/m ³ |
| OEL TWA [ppm] | 50 ppm |
| Croatia - Occupational Exposure Limits | |
| GVI (OEL TWA) [1] | 308 mg/m ³ |
| GVI (OEL TWA) [2] | 50 ppm |
| OEL chemical category | Skin notation |
| Cyprus - Occupational Exposure Limits | |
| OEL TWA | 308 mg/m ³ |
| OEL TWA [ppm] | 50 ppm |
| OEL chemical category | Skin-potential for cutaneous absorption |
| Czech Republic - Occupational Exposure Limits | |
| PEL (OEL TWA) | 270 mg/m ³ |
| OEL chemical category | Potential for cutaneous absorption |
| Denmark - Occupational Exposure Limits | |
| OEL TWA [1] | 309 mg/m ³ |
| OEL TWA [2] | 50 ppm |
| OEL STEL | 618 mg/m ³ |
| OEL STEL [ppm] | 100 ppm |
| OEL chemical category | Potential for cutaneous absorption |
| Estonia - Occupational Exposure Limits | |
| OEL TWA | 308 mg/m ³ |
| OEL TWA [ppm] | 50 ppm |
| OEL chemical category | Skin notation |
| Finland - Occupational Exposure Limits | |
| HTP (OEL TWA) [1] | 310 mg/m ³ |
| HTP (OEL TWA) [2] | 50 ppm |
| OEL chemical category | Potential for cutaneous absorption |
| France - Occupational Exposure Limits | |
| VME (OEL TWA) | 308 mg/m ³ (restrictive limit) |
| VME (OEL TWA) [ppm] | 50 ppm (restrictive limit) |
| OEL chemical category | Risk of cutaneous absorption |
| Germany - Occupational Exposure Limits (TRGS 900) | |
| AGW (OEL TWA) [1] | 310 mg/m ³ (isomer mixture) |

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| Dipropylene glycol monomethyl ether (34590-94-8) | |
|---|---|
| AGW (OEL TWA) [2] | 50 ppm (isomer mixture) |
| Gibraltar - Occupational Exposure Limits | |
| OEL TWA | 308 mg/m ³ |
| OEL TWA [ppm] | 50 ppm |
| OEL chemical category | Skin notation |
| Greece - Occupational Exposure Limits | |
| OEL TWA | 600 mg/m ³ |
| OEL TWA [ppm] | 100 ppm |
| OEL STEL | 900 mg/m ³ |
| OEL STEL [ppm] | 150 ppm |
| OEL chemical category | skin - potential for cutaneous absorption |
| Hungary - Occupational Exposure Limits | |
| AK (OEL TWA) | 308 mg/m ³ |
| Ireland - Occupational Exposure Limits | |
| OEL TWA [1] | 308 mg/m ³ ((2-Methoxymethylethoxy)propanol) |
| OEL TWA [2] | 50 ppm ((2-Methoxymethylethoxy)propanol) |
| OEL STEL | 924 mg/m ³ (calculated (2-(2-Methoxypropoxy)-1-propanol) |
| OEL STEL [ppm] | 150 ppm (calculated (2-(2-Methoxypropoxy)-1-propanol) |
| OEL chemical category | Potential for cutaneous absorption |
| Italy - Occupational Exposure Limits | |
| OEL TWA | 308 mg/m ³ |
| OEL TWA [ppm] | 50 ppm |
| OEL chemical category | skin - potential for cutaneous absorption |
| Latvia - Occupational Exposure Limits | |
| OEL TWA | 308 mg/m ³ |
| OEL TWA [ppm] | 50 ppm |
| OEL chemical category | skin - potential for cutaneous exposure |
| Lithuania - Occupational Exposure Limits | |
| IPRV (OEL TWA) | 300 mg/m ³ (2-(2-Methoxypropoxy)-propanol) |
| IPRV (OEL TWA) [ppm] | 50 ppm (2-(2-Methoxypropoxy)-propanol) |
| TPRV (OEL STEL) | 450 mg/m ³ (2-(2-Methoxypropoxy)-propanol) |
| TPRV (OEL STEL) [ppm] | 75 ppm (2-(2-Methoxypropoxy)-propanol) |
| OEL chemical category | Skin notation |
| Luxembourg - Occupational Exposure Limits | |
| OEL TWA | 308 mg/m ³ |
| OEL TWA [ppm] | 50 ppm |
| OEL chemical category | Possibility of significant uptake through the skin |
| Malta - Occupational Exposure Limits | |
| OEL TWA | 308 mg/m ³ |

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| Dipropylene glycol monomethyl ether (34590-94-8) | |
|---|--|
| OEL TWA [ppm] | 50 ppm |
| OEL chemical category | Possibility of significant uptake through the skin |
| Netherlands - Occupational Exposure Limits | |
| TGG-8u (OEL TWA) | 300 mg/m ³ |
| TGG-8u (OEL TWA) [ppm] | 48.7 ppm |
| Poland - Occupational Exposure Limits | |
| NDS (OEL TWA) | 240 mg/m ³ (mixture of isomers: 1-(2-Methoxy-1-methylethoxy)propan-2-ol, 1-(2-Methoxy-2-methylethoxy)propan-2-ol and 2-(2-Methoxy-1-methylethoxy)propan-1-ol) |
| NDSch (OEL STEL) | 480 mg/m ³ (mixture of isomers: 1-(2-Methoxy-1-methylethoxy)propan-2-ol, 1-(2-Methoxy-2-methylethoxy)propan-2-ol, 2-(2-Methoxy-1-methylethoxy)propan-1-ol) |
| Portugal - Occupational Exposure Limits | |
| OEL TWA | 308 mg/m ³ (indicative limit value) |
| OEL TWA [ppm] | 50 ppm (indicative limit value) |
| OEL STEL [ppm] | 150 ppm |
| OEL chemical category | skin - potential for cutaneous exposure indicative limit value |
| Romania - Occupational Exposure Limits | |
| OEL TWA | 308 mg/m ³ |
| OEL TWA [ppm] | 50 ppm |
| OEL chemical category | Skin notation |
| Slovakia - Occupational Exposure Limits | |
| NPHV (OEL TWA) [1] | 308 mg/m ³ |
| NPHV (OEL TWA) [2] | 50 ppm |
| OEL chemical category | Potential for cutaneous absorption |
| Slovenia - Occupational Exposure Limits | |
| OEL TWA | 308 mg/m ³ |
| OEL TWA [ppm] | 50 ppm |
| OEL STEL | 308 mg/m ³ |
| OEL STEL [ppm] | 50 ppm |
| OEL chemical category | Potential for cutaneous absorption |
| Spain - Occupational Exposure Limits | |
| VLA-ED (OEL TWA) [1] | 308 mg/m ³ (indicative limit value) |
| VLA-ED (OEL TWA) [2] | 50 ppm (indicative limit value) |
| OEL chemical category | skin - potential for cutaneous absorption |
| Sweden - Occupational Exposure Limits | |
| NGV (OEL TWA) | 300 mg/m ³ |
| NGV (OEL TWA) [ppm] | 50 ppm |
| KTV (OEL STEL) | 450 mg/m ³ |
| KTV (OEL STEL) [ppm] | 75 ppm |
| OEL chemical category | Skin notation |

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| Dipropylene glycol monomethyl ether (34590-94-8) | |
|--|--|
| United Kingdom - Occupational Exposure Limits | |
| WEL TWA (OEL TWA) [1] | 308 mg/m ³ |
| WEL TWA (OEL TWA) [2] | 50 ppm |
| WEL STEL (OEL STEL) | 924 mg/m ³ (calculated) |
| WEL STEL (OEL STEL) [ppm] | 150 ppm (calculated) |
| WEL chemical category | Potential for cutaneous absorption |
| Norway - Occupational Exposure Limits | |
| Grønseverdi (OEL TWA) [1] | 300 mg/m ³ |
| Grønseverdi (OEL TWA) [2] | 50 ppm |
| Korttidsverdi (OEL STEL) | 375 mg/m ³ (value calculated) |
| Korttidsverdi (OEL STEL) [ppm] | 75 ppm (value calculated) |
| OEL chemical category | Skin notation |
| Switzerland - Occupational Exposure Limits | |
| MAK (OEL TWA) [1] | 300 mg/m ³ (aerosol, vapour) |
| MAK (OEL TWA) [2] | 50 ppm (aerosol, vapour) |
| KZGW (OEL STEL) | 300 mg/m ³ (aerosol, vapour) |
| KZGW (OEL STEL) [ppm] | 50 ppm (aerosol, vapour) |
| USA - ACGIH - Occupational Exposure Limits | |
| ACGIH OEL TWA [ppm] | 50 ppm (Dipropylene glycol methyl ether) |

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.

8.2.2. Personal protection equipment

Personal protective equipment:

Avoid all unnecessary exposure.

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection:

Chemical goggles or safety glasses. Safety glasses

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8.2.2.2. Skin protection

Skin and body protection:

Wear suitable protective clothing

Hand protection:

Protective gloves. Wear protective gloves.

8.2.2.3. Respiratory protection

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment. Wear appropriate mask

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

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 |
| Colour | : light yellow. amber. Conforms to standard. |
| Odour | : characteristic. |
| Odour threshold | : Not available |
| Melting point | : Not applicable |
| Freezing point | : Not available |
| Boiling point | : Not available |
| Flammability | : Not applicable |
| Explosive limits | : Not available |
| Lower explosion limit | : Not available |
| Upper explosion limit | : Not available |
| Flash point | : > 93 °C |
| Auto-ignition temperature | : Not available |
| Decomposition temperature | : Not available |
| pH | : Not available |
| Viscosity, kinematic | : Not available |
| Solubility | : Not available |
| Partition coefficient n-octanol/water (Log Kow) | : Not available |
| Vapour pressure | : Not available |
| Vapour pressure at 50°C | : Not available |
| Density | : Not available |
| Relative density | : ≈ 1.1 |
| Relative vapour density at 20°C | : Not available |
| Particle characteristics | : Not applicable |

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

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. Not established.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use. Not established.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7). Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

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

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral) : Harmful if swallowed.
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

| POPCORN RD #EU40287F | |
|--|--|
| ATE CLP (oral) | 1528.676 mg/kg bodyweight |
| Dipropylene glycol monomethyl ether (34590-94-8) | |
| LD50 oral rat | 5.35 g/kg (Source: NLM_HSDB) |
| LD50 dermal rabbit | 9500 mg/kg (Source: NLM_CIP) |
| Ethyl maltol (4940-11-8) | |
| LD50 oral rat | 1150 mg/kg (Source: NLM_CIP) |
| LD50 oral | 1200 mg/kg bodyweight |
| LD50 dermal rabbit | > 5000 mg/kg (Source: ECHA_API) |
| Anisic aldehyde (123-11-5) | |
| LD50 oral rat | > 2000 mg/kg (Source: OECD_SIDS) |
| LD50 oral | 3210 mg/kg bodyweight |
| LD50 dermal rabbit | > 5000 mg/kg (Source: EPA_HPVP) |
| LC50 Inhalation - Rat | > 0.32 mg/l (Exposure time: 7 h Source: OECD_SIDS) |
| COUMARIN (91-64-5) | |
| LD50 oral rat | > 5000 mg/kg (Source: JAPAN_GHS) |
| LD50 oral | 290 mg/kg bodyweight |
| LD50 dermal rat | 293 mg/kg (Source: ECHA_API) |

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| Benzyl benzoate (120-51-4) | |
|----------------------------|------------------------------|
| LD50 oral rat | 500 mg/kg (Source: NLM_CIP) |
| LD50 oral | 1160 mg/kg bodyweight |
| LD50 dermal rabbit | 4000 mg/kg (Source: NLM_CIP) |

| Amyl salicylate (2050-08-0) | |
|-----------------------------|---------------------------------|
| LD50 oral rat | 4100 mg/kg (Source: NZ_CCID) |
| LD50 oral | 2000 mg/kg bodyweight |
| LD50 dermal rabbit | > 5000 mg/kg (Source: CHEMVIEW) |

| 1,2-Cyclopentanedione, 3-methyl- (765-70-8) | |
|---|--|
| LD50 oral | 1067 mg/kg bodyweight |
| Skin corrosion/irritation | : Not classified |
| Serious eye damage/irritation | : Not classified |
| Respiratory or skin sensitisation | : May cause an allergic skin reaction. |
| Germ cell mutagenicity | : Not classified |
| Carcinogenicity | : Not classified |

| COUMARIN (91-64-5) | |
|------------------------|----------------------|
| IARC group | 3 - Not classifiable |
| Reproductive toxicity | : Not classified |
| STOT-single exposure | : Not classified |
| STOT-repeated exposure | : Not classified |
| Aspiration hazard | : Not classified |

| Benzyl benzoate (120-51-4) | |
|----------------------------|--------------------------|
| Viscosity, kinematic | 7.456 mm ² /s |

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

No additional information available

11.2.2. Other information

Potential adverse human health effects and symptoms : Based on available data, the classification criteria are not met, Harmful if swallowed.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Harmful to aquatic life with long lasting effects.
Hazardous to the aquatic environment, short-term (acute) : Not classified
Hazardous to the aquatic environment, long-term (chronic) : Harmful to aquatic life with long lasting effects.

| Dipropylene glycol monomethyl ether (34590-94-8) | |
|--|--|
| LC50 - Fish [1] | > 10000 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static]) |
| EC50 - Crustacea [1] | 1919 mg/l (Exposure time: 48 h - Species: Daphnia magna) |

| Ethyl maltol (4940-11-8) | |
|--------------------------|---|
| LC50 - Fish [1] | > 85 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss Source: ECHA) |

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

12.2. Persistence and degradability

| POPCORN RD #EU40287F | |
|-------------------------------|------------------|
| Persistence and degradability | Not established. |

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

12.3. Bioaccumulative potential

| POPCORN RD #EU40287F | |
|---------------------------|------------------|
| Bioaccumulative potential | Not established. |

| Dipropylene glycol monomethyl ether (34590-94-8) | |
|--|---------------------------|
| Partition coefficient n-octanol/water (Log Pow) | 0.35 (at 25 °C (at pH 7)) |

| Ethyl maltol (4940-11-8) | |
|---|----------------|
| Partition coefficient n-octanol/water (Log Pow) | 2.9 (at 25 °C) |

| Anisic aldehyde (123-11-5) | |
|---|------------------------------------|
| Partition coefficient n-octanol/water (Log Pow) | 1.56 (at 25 °C (at pH >7.9-<8.25)) |

| Benzyl benzoate (120-51-4) | |
|---|------------------|
| Partition coefficient n-octanol/water (Log Pow) | 3.97 (at 25 °C) |
| Bioaccumulative potential | Not established. |

| Amyl salicylate (2050-08-0) | |
|---|--|
| BCF - Fish [1] | (1170 dimensionless (whole body w.w.)) |
| Partition coefficient n-octanol/water (Log Pow) | 4.5 (at 30 °C) |

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Endocrine disrupting properties

No additional information available

12.7. 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. Dispose of contents/container in accordance with local/national laws and regulations.

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Ecology - waste materials
HP Code

: Avoid release to the environment.
: HP6 - "Acute Toxicity:" waste which can cause acute toxic effects following oral or dermal administration, or inhalation exposure.
HP14 - "Ecotoxic:" waste which presents or may present immediate or delayed risks for one or more sectors of the environment

SECTION 14: Transport information

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

| ADR | IMDG | IATA | ADN | RID |
|---|---------------|---------------|---------------|---------------|
| 14.1. UN number or ID number | | | | |
| Not regulated | Not regulated | Not regulated | Not regulated | Not regulated |
| 14.2. UN proper shipping name | | | | |
| Not regulated | Not regulated | Not regulated | Not regulated | Not regulated |
| 14.3. Transport hazard class(es) | | | | |
| Not regulated | Not regulated | Not regulated | Not regulated | Not regulated |
| 14.4. Packing group | | | | |
| Not regulated | Not regulated | Not regulated | Not regulated | Not regulated |
| 14.5. Environmental hazards | | | | |
| Not regulated | Not regulated | Not regulated | Not regulated | Not regulated |
| No supplementary information available | | | | |

14.6. Special precautions for user

Overland transport

Not regulated

Transport by sea

Not regulated

Air transport

Not regulated

Inland waterway transport

Not regulated

Rail transport

Not regulated

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

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SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

REACH Annex XVII (Restriction List)

| EU restriction list (REACH Annex XVII) | | |
|--|---|---|
| Reference code | Applicable on | Entry title or description |
| 3(b) | POPCORN RD #EU40287F ; Benzyl benzoate ; Amyl salicylate | Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10 |
| 3(c) | POPCORN RD #EU40287F ; Anisic aldehyde ; Benzyl benzoate ; Amyl salicylate | Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1 |

REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.1.2. National regulations

Germany

Water hazard class (WGK) : WGK 2, Significantly hazardous to water (Classification according to AwSV, Annex 1).
Hazardous Incident Ordinance (12. BImSchV) : Is not subject of the Hazardous Incident Ordinance (12. BImSchV)

Netherlands

ABM category : A(2) - toxic for aquatic organisms, may have longterm hazardous effects in aquatic environment
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

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15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Other information : None.

Full text of H- and EUH-statements:

| | |
|---------------------------|---|
| Acute Tox. 3 (Dermal) | Acute toxicity (dermal), Category 3 |
| Acute Tox. 3 (Inhalation) | Acute toxicity (inhal.), Category 3 |
| Acute Tox. 3 (Oral) | Acute toxicity (oral), Category 3 |
| 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 |
| H301 | Toxic if swallowed. |
| H302 | Harmful if swallowed. |
| H311 | Toxic in contact with skin. |
| H317 | May cause an allergic skin reaction. |
| H331 | Toxic if inhaled. |
| 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. |
| Skin Sens. 1 | Skin sensitisation, Category 1 |

The classification complies with : ATP 12

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.