# Vuse GO Disposable Watermelon Ice 10mg/ml (Vivid 3.0)

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

* **1.1. Product identifier**

**Trade name/designation:**

Vuse GO Disposable Watermelon Ice 10mg/ml (Vivid 3.0)

**Other means of identification:**

Vuse GO 700 Disposable Watermelon Ice 10mg/ml
Vuse GO 700 Watermelon Ice 10mg/ml
Vuse GO Box 800 Disposable Watermelon Ice 10mg/ml
Vuse GO Box 800 Watermelon Ice 10mg/ml
Vuse GO Disposable Watermelon Ice V3 10mg/ml
VUSE GO 700 WATERMELON ICE 10MG/ML
Vuse GO 800 Watermelon Ice 10mg/mlc
Vuse GO 700 Saveur Pastèque Ice 10mg/ml
Vuse Go Disposable Summer Fresh 10mg/ml
Vuse Go 700 Watermelon 10mg/ml
Watermelone Ice V3
Vuse Go Box 1000 Watermelon Ice 10mg/ml
Vuse Go Box 1000 Summer Fresh 10mg/ml
Vuse Go 1000 Watermelon Ice 10mg/ml
Vuse Go Pen 1000 Watermelon Ice 10mg/ml
Vuse Go Box 1000 Pasteque Ice 10mg/ml
Vuse Go 1000 Pasteque Ice 10mg/ml
Vuse Go Pen 1000 Pasteque Ice 10mg/ml
Vuse Pro Pod Watermelon Ice 10mg/ml; Vuse Pod Watermelon Ice 10mg/ml
Vuse Go Reload 950 Watermelon Ice 10mg/ml; Vuse Go Reload Pen 950 Watermelon Ice 10mg/ml
Vuse Pro Pod Watermelon 10mg/ml; Vuse Pod Watermelon 10mg/ml
Vuse Go Reload 950 Watermelon 10mg/ml; Vuse Go Reload Pen 950 Watermelon 10mg/ml
Vuse Pro Pod Summer Fresh 10mg/ml; Vuse Pod Summer Fresh 10mg/ml
Vuse Go Reload 950 Summer Fresh 10mg/ml; Vuse Go Reload Pen 950 Summer Fresh 10mg/ml
Vuse Pods Watermelon Ice 10mg/ml
Vuse Go Reload 1000 Watermelon Ice 10mg/ml
Vuse Pro Pod Pasteque Ice 10mg/ml
Vuse Pod Pasteque Ice 10mg/ml
Vuse Pods Pasteque Ice 10mg/ml
Vuse Go Reload 950 Pasteque Ice 10mg/ml
Vuse Go Reload Pen 950 Pasteque Ice 10mg/ml
Vuse Go Reload 1000 Pasteque Ice 10mg/ml

NV22-MOD-0641
NV23-MOD-2406

**UFI:**

QRY4-364T-4A86-P22A

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

**Use of the substance/mixture:**

E-liquids for electronic cigarettes

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

**Supplier:**

**TDR d.o.o**
Obala Vladimira Nazora 1
52210 Rovinj
Croatia
**Telephone:** +385 052 844 000
**E-mail:** sds-eliquid@bat.com

**Supplier:**

**Nicoventures Trading Ltd**
1 Water Street
WC2R 3LA London
United Kingdom
**Telephone:** +44 (0)207 845 1000
**E-mail:** sds-eliquid@bat.com
**Website:** www.nicoventures.co.uk

### 1.4. Emergency telephone number

24h: +33 1 72 11 00 03 ; numéro ORFILA (INRS): +33 (0)1 45 42 59 59 (Centre Antipoison Et De Toxicovigilance)

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

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

| Hazard classes and hazard categories | Hazard statements | Classification procedure |
|---|---|---|
| Acute toxicity (oral) *(Acute Tox. 4)* | H302: Harmful if swallowed. | Calculation method. |
| Respiratory or skin sensitisation *(Skin Sens. 1)* | H317: May cause an allergic skin reaction. | Calculation method. |

### 2.2. Label elements

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

**Hazard pictograms:**



**GHS07**
Exclamation mark

**Signal word:** Warning

**Hazard components for labelling:**
benzyl alcohol; Furaneol; linalool; nicotine

| Hazard statements for health hazards | |
|---|---|
| H302 | Harmful if swallowed. |
| H317 | May cause an allergic skin reaction. |

| Precautionary statements | |
|---|---|
| P101 | If medical advice is needed, have product container or label at hand. |
| P102 | Keep out of reach of children. |

| Precautionary statements Prevention | |
|---|---|
| P264 | Wash hands 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. |

| Precautionary statements Response | |
|---|---|
| P301 + P312 | IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. |
| P302 + P352 | IF ON SKIN: Wash with plenty of water. |
| P330 | Rinse mouth. |

| Precautionary statements Response | |
|---|---|
| P333 + P313 | If skin irritation or rash occurs: Get medical advice/attention. |

| Precautionary statements Disposal | |
|---|---|
| P501 | Dispose of used device in accordance with local, regional or national regulations. |

### 2.3. Other hazards
No data available

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures
**Hazardous ingredients / Hazardous impurities / Stabilisers:**

| Product identifiers | Substance name<br>Classification according to Regulation (EC) No 1272/2008 [CLP] | Concentration |
|---|---|---|
| CAS No.: 100-51-6<br>EC No.: 202-859-9<br>REACH No.:<br>01-2119492630-38-0000 | **benzyl alcohol**<br>Acute Tox. 4 (H302, H332), Eye Irrit. 2 (H319), Skin Sens. 1 (H317)<br>Warning | 2 – < 4.1<br>weight-% |
| CAS No.: 51115-67-4<br>EC No.: 256-974-4 | **2-isopropyl-N,2,3-trimethylbutyramide**<br>Acute Tox. 4 (H302)<br>Warning | 1 – < 2<br>weight-% |
| CAS No.: 54-11-5<br>EC No.: 200-193-3<br>Index No.: 614-001-00-4<br>REACH No.:<br>01-2120066934-47-0000 | **nicotine**<br>Acute Tox. 2 (H330, H310, H300), Aquatic Chronic 2 (H411)<br>Danger<br>**Acute Toxicity Estimate**<br>ATE (oral): 5 mg/kg<br>ATE (dermal): 70 mg/kg<br>ATE (inhalation, dust/mist): 0.19 mg/L | 0 – ≤ 1<br>weight-% |
| CAS No.: 3658-77-3<br>EC No.: 222-908-8 | **Furaneol**<br>Acute Tox. 4 (H302), Eye Dam. 1 (H318), Skin Corr. 1B (H314), Skin Sens. 1A (H317)<br>Danger | 0 – < 0.13<br>weight-% |
| CAS No.: 78-70-6<br>EC No.: 201-134-4<br>REACH No.:<br>01-2119474016-42-0000 | **linalool**<br>Eye Irrit. 2 (H319), Skin Irrit. 2 (H315), Skin Sens. 1B (H317)<br>Warning | 0 – < 0.11<br>weight-% |

*Full text of H- and EUH-phrases: see section 16.*

## SECTION 4: First aid measures

### 4.1. Description of first aid measures
**General information:**
In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Remove victim out of the danger area. Remove contaminated, saturated clothing. If unconscious but breathing normally, place in recovery position and seek medical advice. Never give anything by mouth to an unconscious person or a person with cramps. Do not leave affected person unattended. Warning First aider: Pay attention to self-protection!

**Following inhalation:**
Provide fresh air. In case of respiratory tract irritation, consult a physician.

**In case of skin contact:**
Take off immediately all contaminated clothing. If skin irritation or rash occurs: Get medical advice/ attention.

**After eye contact:**
Rinse immediately carefully and thoroughly with eye-bath or water.

**Following ingestion:**
Rinse mouth. Get medical advice/attention if you feel unwell. No mouth-to-mouth or mouth-to-nose resuscitation. Use Ambu bag or ventilator.

**Self-protection of the first aider:**
Wear personal protection equipment (refer to section 8). No direct artificial respiration to be given by first aider.

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

If exposed to large quantities of the product, acute nicotine poisoning might occur causing symptoms such as nausea, excess salivation, abdominal pain, diarrhoea, sweating, headache, dizziness, disturbed hearing and weakness. In extreme cases, these symptoms may be followed by depression of the central nervous system, including confusion, hypotension, rapid or weak or irregular pulse, breathing difficulties, prostration, circulatory collapse and terminal convulsions.

If the product is heated to temperatures above 130°C, decomposition products including formaldehyde and other carbonyls may form. Exposure to these substances may cause irritation of the eyes, nose, and the throat, stuffy or runny nose, headache, sore throat, tightness in the chest, skin rash, difficulty in breathing, wheezing and/or frequent and severe asthma attacks. In severe cases hypotension, arrhythmia, irregular breathing and loss of consciousness might occur.

### 4.3. Indication of any immediate medical attention and special treatment needed
ONLY FOR MEDICAL PERSONNEL: In case of severe nicotine poisoning, if airway is secured, administration of activated charcoal should be considered. Do NOT administer antacids; alkaline conditions improve the absorption of nicotine. Monitor breathing patterns and maintain circulation. Cholinergic symptoms may be treated with atropine.

ONLY FOR MEDICAL PERSONNEL: In case of severe formaldehyde poisoning (see above for special circustances in which this might arise through product degradation at high temperature) remove clothing and wash with plenty of water. Formaldehyde in solution is corrosive and as a gas is irritating and highly reactive. Eyes should be irrigated with normal saline or equivalent crystalloid, ideally under cover of local anaesthetic. The presence of formaldehyde in the body can be detected with the help of a patch test. As poisoning can lead to life-threatening complications, it is important to seek medical attention immediately if this is suspected.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media
**Suitable extinguishing media:**
Dry extinguishing powder, Carbon dioxide ($CO_2$), alcohol resistant foam, Water mist

**Unsuitable extinguishing media:**
Full water jet

### 5.2. Special hazards arising from the substance or mixture
When hot, product develops flammable vapours. The vapour is heavier than air and may travel along the ground; distant ignition possible.

**Hazardous combustion products:**
In case of fire: Carbon dioxide ($CO_2$), Carbon monoxide, Nitrogen oxides ($NO_x$), Formaldehyde

### 5.3. Advice for firefighters
Wear a self-contained breathing apparatus and chemical protective clothing.

### 5.4. Additional information
Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures
### 6.1.1. For non-emergency personnel
**Personal precautions:**
Do not enter storage, handling and production areas if unauthorized.

**Protective equipment:**
Wear protective gloves and eye protection/face protection.

**Emergency procedures:**
Do not walk on the spillage and avoid any kind of contact. Ventilate affected area if safe to do so. Evacuate the danger area immediately and follow the emergency procedures of your workplace.

### 6.1.2. For emergency responders

**Personal protection equipment:**
Wear personal protection equipment (refer to section 8).

### 6.2. Environmental precautions

Do not allow to enter into surface water or drains.

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

**For containment:**
Cover drains.

**For cleaning up:**
Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

**Other information:**
Treat the recovered material as prescribed in the section on waste disposal.

### 6.4. Reference to other sections

Safe handling: see section 7 Personal protection equipment: see section 8 Disposal: see section 13 Decomposition products in case of fire: see section 5.

### 6.5. Additional information

Use appropriate container to avoid environmental contamination.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

### Protective measures

**Advices on safe handling:**
Use only in well-ventilated areas. Do not use above following temperatures: 50 °C / 122 °F. Wear personal protection equipment (refer to section 8). It is recommended to design all work processes always so that the following is excluded: Strong acid, Highly oxidising substances

**Fire prevent measures:**
When hot, product develops flammable vapours. Vapours are heavier than air, spread along floors and form explosive mixtures with air. Keep away from sources of heat (e.g. hot surfaces), sparks and open flames.

### Advices on general occupational hygiene

Wash hands before breaks and after work.

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

**Technical measures and storage conditions:**
Keep container tightly closed in a cool, well-ventilated place. Keep away from: Heat, UV-radiation/ sunlight. Do not store at temperatures above 50 °C / 122 °F. Keep locked up and out of reach of children.

**Requirements for storage rooms and vessels:**
Ensure adequate ventilation of the storage area. Flammable vapours can accumulate in steam space of closed systems. Take precautionary measures against static discharges.

**Hints on storage assembly:**
Keep away from: Strong acid, Highly oxidising substances

**Storage class (TRGS 510, Germany):** 10 – Combustible liquids that cannot be assigned to any of the above storage classes

### 7.3. Specific end use(s)

**Recommendation:**
Observe technical data sheet. Observe instructions for use.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1. Occupational exposure limit values

| Limit value type (country of origin) | Substance name | ① Long-term occupational exposure limit value<br>② Short-term occupational exposure limit value<br>③ Instantaneous value<br>④ Monitoring and observation processes<br>⑤ Remark |
|---|---|---|
| VRI (FR)<br>from 3 May 2021 | **nicotine**<br>CAS No.: 54-11-5<br>EC No.: 200-193-3 | ① 0.5 mg/m³<br>⑤ (peut être absorbé par la peau) |
| IOELV (EU) | **nicotine**<br>CAS No.: 54-11-5<br>EC No.: 200-193-3 | ① 0.5 mg/m³<br>⑤ (May be absorbed through the skin. ) |

#### 8.1.2. Biological limit values

No data available

#### 8.1.3. DNEL-/PNEC-values

| Substance name | DNEL value | ① DNEL type<br>② Exposure route |
|---|---|---|
| **benzyl alcohol**<br>CAS No.: 100-51-6<br>EC No.: 202-859-9 | 22 mg/m³ | ① DNEL worker<br>② Long-term – inhalation, systemic effects |
| **benzyl alcohol**<br>CAS No.: 100-51-6<br>EC No.: 202-859-9 | 5.4 mg/m³ | ① DNEL Consumer<br>② Long-term – inhalation, systemic effects |
| **benzyl alcohol**<br>CAS No.: 100-51-6<br>EC No.: 202-859-9 | 110 mg/m³ | ① DNEL worker<br>② Acute - inhalation, systemic effects |
| **benzyl alcohol**<br>CAS No.: 100-51-6<br>EC No.: 202-859-9 | 27 mg/m³ | ① DNEL Consumer<br>② Acute - inhalation, systemic effects |
| **benzyl alcohol**<br>CAS No.: 100-51-6<br>EC No.: 202-859-9 | 8 mg/kg bw/day | ① DNEL worker<br>② Long-term - dermal, systemic effects |
| **benzyl alcohol**<br>CAS No.: 100-51-6<br>EC No.: 202-859-9 | 40 mg/kg bw/day | ① DNEL worker<br>② Acute – dermal, systemic effects |
| **nicotine**<br>CAS No.: 54-11-5<br>EC No.: 200-193-3 | 0.0313 mg/m³ | ① DNEL worker<br>② Long-term – inhalation, systemic effects |
| **nicotine**<br>CAS No.: 54-11-5<br>EC No.: 200-193-3 | 8.6 mg/m³ | ① DNEL worker<br>② Acute - inhalation, systemic effects |
| **nicotine**<br>CAS No.: 54-11-5<br>EC No.: 200-193-3 | 0.0443 mg/kg bw/day | ① DNEL worker<br>② Long-term - dermal, systemic effects |
| **nicotine**<br>CAS No.: 54-11-5<br>EC No.: 200-193-3 | 0.84 mg/kg bw/day | ① DNEL worker<br>② Acute – dermal, systemic effects |
| **nicotine**<br>CAS No.: 54-11-5<br>EC No.: 200-193-3 | 0.2 mg/cm² | ① DNEL worker<br>② Acute - dermal, local effects |
| **linalool**<br>CAS No.: 78-70-6<br>EC No.: 201-134-4 | 2.8 mg/m³ | ① DNEL worker<br>② Long-term – inhalation, systemic effects |

| Substance name | DNEL value | ① DNEL type<br>② Exposure route |
|---|---|---|
| **linalool**<br>CAS No.: 78-70-6<br>EC No.: 201-134-4 | 2.5 mg/kg | ① DNEL worker<br>② Long-term - dermal, systemic effects |
| **linalool**<br>CAS No.: 78-70-6<br>EC No.: 201-134-4 | 3 mg/cm² | ① DNEL worker<br>② Acute – dermal, systemic effects |
| **linalool**<br>CAS No.: 78-70-6<br>EC No.: 201-134-4 | 5 mg/kg | ① DNEL worker<br>② Long-term - dermal, local effects |
| **linalool**<br>CAS No.: 78-70-6<br>EC No.: 201-134-4 | 3 mg/cm² | ① DNEL worker<br>② Acute - dermal, local effects |

| Substance name | PNEC Value | ① PNEC type |
|---|---|---|
| **benzyl alcohol**<br>CAS No.: 100-51-6<br>EC No.: 202-859-9 | 1 mg/L | ① PNEC aquatic, freshwater |
| **benzyl alcohol**<br>CAS No.: 100-51-6<br>EC No.: 202-859-9 | 0.1 mg/L | ① PNEC aquatic, marine water |
| **benzyl alcohol**<br>CAS No.: 100-51-6<br>EC No.: 202-859-9 | 39 mg/L | ① PNEC sewage treatment plant |
| **benzyl alcohol**<br>CAS No.: 100-51-6<br>EC No.: 202-859-9 | 5.27 mg/kg | ① PNEC sediment, freshwater |
| **benzyl alcohol**<br>CAS No.: 100-51-6<br>EC No.: 202-859-9 | 0.527 mg/kg | ① PNEC sediment, marine water |
| **benzyl alcohol**<br>CAS No.: 100-51-6<br>EC No.: 202-859-9 | 0.456 mg/kg | ① PNEC soil, freshwater |
| **nicotine**<br>CAS No.: 54-11-5<br>EC No.: 200-193-3 | 0.0004 mg/L | ① PNEC aquatic, freshwater |
| **nicotine**<br>CAS No.: 54-11-5<br>EC No.: 200-193-3 | 0.00004 mg/L | ① PNEC aquatic, marine water |
| **nicotine**<br>CAS No.: 54-11-5<br>EC No.: 200-193-3 | 2.7 mg/L | ① PNEC sewage treatment plant |
| **nicotine**<br>CAS No.: 54-11-5<br>EC No.: 200-193-3 | 0.00065 mg/kg | ① PNEC sediment, freshwater |
| **nicotine**<br>CAS No.: 54-11-5<br>EC No.: 200-193-3 | 0.000065 mg/kg | ① PNEC sediment, marine water |
| **nicotine**<br>CAS No.: 54-11-5<br>EC No.: 200-193-3 | 0.000321 mg/kg | ① PNEC soil, freshwater |

### 8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

Technical measures and the application of suitable work processes have priority over personal protection equipment. Reduce exposure to fume by keeping operating temperatures as low as possible taking into account occupational exposure limits and safe handling temperatures (see Section 7). Where practicable handle within an enclosed process. Alternatively local exhaust ventilation should be considered.

### 8.2.2. Personal protection equipment



**Eye/face protection:**
Eye glasses with side protection EN 166.

**Skin protection:**
Tested protective gloves must be worn (EN ISO 374). Suitable material: NBR (Nitrile rubber), Butyl caoutchouc (butyl rubber). In the case of wanting to use the gloves again, clean them before taking off and air them well. Breakthrough times and swelling properties of the material must be taken into consideration.

**Respiratory protection:**
Usually no personal respirative protection necessary. If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn. Full-/half-/quarter-face masks (EN 136/140) Filter type: A

### 8.2.3. Environmental exposure controls
No data available

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

### Appearance

**Physical state:** Liquid
**Colour:** yellow
**Odour:** fruity

### Safety relevant basis data

| Parameter | Value | at °C | ① Method<br>② Remark |
|---|---|---|---|
| pH | 5.1 | | ② in aqueous solution 10% |
| Melting point | *No data available* | | |
| Freezing point | *No data available* | | |
| Initial boiling point and boiling range | *No data available* | | |
| Flash point | 54.5 °C | | |
| Evaporation rate | *No data available* | | |
| Auto-ignition temperature | *No data available* | | |
| Upper/lower flammability or explosive limits | *No data available* | | |
| Vapour pressure | *No data available* | | |
| Vapour density | *No data available* | | |
| Density | 1.1095 g/mL | | |
| Bulk density | *not applicable* | | |
| Water solubility | *No data available* | | |
| Dynamic viscosity | *No data available* | | |
| Kinematic viscosity | *No data available* | | |
| UN Test L.2: Sustained combustibility test | °C | 75 °C | ② Not sustaining combustion.Test was carried out with a similar mixture. |

### 9.2. Other information
No data available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity
This material is considered to be non-reactive under normal use conditions.

### 10.2. Chemical stability
The product is chemically stable under recommended conditions of storage, use and temperature.
Exposure to UV/sunlight, air or heat might cause discoloration of the product.

### 10.3. Possibility of hazardous reactions
No hazardous reaction when handled and stored according to provisions.

### 10.4. Conditions to avoid
Protect from sunlight. Do no expose to temperatures exceeding 50°C/ 122°F.

### 10.5. Incompatible materials
Strong acid, Highly oxidising substances.

### 10.6. Hazardous decomposition products
If the product is heated to temperatures above 130°C, decomposition products including formaldehyde and other carbonyls may form.
Decomposition products in case of fire: see section 5.

## SECTION 11: Toxicological information

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

| |
|---|
| **benzyl alcohol** CAS No.: 100-51-6 EC No.: 202-859-9 |
| **$LD_{50}$ oral:** 1,620 mg/kg (Rat) |
| **$LD_{50}$ dermal:** >2,000 mg/kg |
| **$LC_{50}$ Acute inhalation toxicity (dust/mist):** 4.18 mg/L 4 h (Rat) |
| **2-isopropyl-N,2,3-trimethylbutyramide** CAS No.: 51115-67-4 EC No.: 256-974-4 |
| **$LD_{50}$ oral:** 490 – 533 mg/kg (Rat) |
| **nicotine** CAS No.: 54-11-5 EC No.: 200-193-3 |
| **ATE (oral)[1]:** 5 mg/kg |
| **ATE (dermal)[1]:** 70 mg/kg |
| **ATE (inhalation, dust/mist)[1]:** 0.19 mg/L |
| **$LD_{50}$ oral:** =5 mg/kg (Rat) |
| **$LD_{50}$ dermal:** =70 mg/kg (Rabbit) |
| **$LC_{50}$ Acute inhalation toxicity (dust/mist):** =0.19 mg/L (Rat) |
| **Furaneol** CAS No.: 3658-77-3 EC No.: 222-908-8 |
| **$LD_{50}$ oral:** =2,320 mg/kg (Rat) OECD 401 |

*[1]: Acute Toxicity Estimate. Harmonised (legal) classification.*

**Acute oral toxicity:**
Harmful if swallowed.

**Acute dermal toxicity:**
Based on available data, the classification criteria are not met.

**Acute inhalation toxicity:**
Based on available data, the classification criteria are not met.

**Skin corrosion/irritation:**
Based on available data, the classification criteria are not met.

**Serious eye damage/irritation:**
Based on available data, the classification criteria are not met.

**Respiratory or skin sensitisation:**
May cause an allergic skin reaction.

**Germ cell mutagenicity:**
Based on available data, the classification criteria are not met.

**Carcinogenicity:**
Based on available data, the classification criteria are not met.

**Reproductive toxicity:**
Based on available data, the classification criteria are not met.

**STOT-single exposure:**
Based on available data, the classification criteria are not met.

**STOT-repeated exposure:**
Based on available data, the classification criteria are not met.

**Aspiration hazard:**
Based on available data, the classification criteria are not met.

**Additional information:**
No data available

### 11.2. Information on other hazards
No data available

## SECTION 12: Ecological information

### 12.1. Toxicity

| |
|---|
| **benzyl alcohol** CAS No.: 100-51-6 EC No.: 202-859-9 |
| **$LC_{50}$:** 460 mg/L 4 d (fish, Pimephales promelas (fathead minnow)) |
| **$LC_{50}$:** 230 mg/L 2 d (crustaceans, Daphnia magna (Big water flea)) OECD 202 |
| **NOEC:** 48.897 mg/L QSAR |
| **NOEC:** 51 mg/L 21 d (crustaceans, Daphnia magna (Big water flea)) OECD 211 |
| **NOEC:** 310 mg/L 3 d (Algae/water plant, Pseudokirchneriella subcapitata) OECD 201 |
| **$ErC_{50}$:** 770 mg/L 3 d (Algae/water plant, Pseudokirchneriella subcapitata) OECD 201 |
| **2-isopropyl-N,2,3-trimethylbutyramide** CAS No.: 51115-67-4 EC No.: 256-974-4 |
| **$EC_{50}$:** >100 mg/L 2 d (crustaceans, Daphnia magna (Big water flea)) OECD 202 |
| **$ErC_{50}$:** >100 mg/L 3 d (Algae/water plant, Pseudokirchneriella subcapitata) OECD 201 |
| **nicotine** CAS No.: 54-11-5 EC No.: 200-193-3 |
| **$LC_{50}$:** ≥3 mg/L 4 d (fish, Oncorhynchus mykiss (Rainbow trout)) OECD 203 |
| **$EC_{50}$:** =0.24 mg/L 2 d (crustaceans, Daphnia magna (Big water flea)) |
| **$EC_{50}$:** =11 mg/L 3 d (Algae/water plant, Desmodesmus subspicatus) OECD 201 |
| **NOEC:** =3.2 mg/L 3 d (Algae/water plant, Desmodesmus subspicatus) OECD 201 |
| **$LC_{50}$:** 4 mg/L 4 d (fish, Oncorhynchus mykiss (Rainbow trout)) |
| **$EC_{50}$:** 11 mg/L 3 d (Algae/water plant) |
| **Furaneol** CAS No.: 3658-77-3 EC No.: 222-908-8 |
| **$EC_{50}$:** =6.8 mg/L 2 d (crustaceans, Daphnia magna (Big water flea)) OECD 202 |
| **$EC_{50}$:** =123 mg/L 3 d (Algae/water plant) |
| **linalool** CAS No.: 78-70-6 EC No.: 201-134-4 |
| **$LC_{50}$:** 27.8 mg/L 4 d (fish, Oncorhynchus mykiss (Rainbow trout)) OECD 203 |
| **$LC_{50}$:** 59 mg/L 2 d (crustaceans, Daphnia magna (Big water flea)) OECD 202 |
| **$ErC_{50}$:** 156.7 mg/L 3 d (Algae/water plant, Desmodesmus subspicatus) |

### 12.2. Persistence and degradability

| |
|---|
| **benzyl alcohol** CAS No.: 100-51-6 EC No.: 202-859-9 |
| **Biodegradation:** Yes, rapidly |
| **2-isopropyl-N,2,3-trimethylbutyramide** CAS No.: 51115-67-4 EC No.: 256-974-4 |
| **Biodegradation:** Yes, slowly |
| **nicotine** CAS No.: 54-11-5 EC No.: 200-193-3 |
| **Biodegradation:** Yes, rapidly |
| **Furaneol** CAS No.: 3658-77-3 EC No.: 222-908-8 |
| **Biodegradation:** Yes, rapidly |
| **linalool** CAS No.: 78-70-6 EC No.: 201-134-4 |
| **Biodegradation:** Yes, rapidly |

### 12.3. Bioaccumulative potential

| |
|---|
| **benzyl alcohol** CAS No.: 100-51-6 EC No.: 202-859-9 |
| **Log $K_{OW}$:** 1.1 |
| **Bioconcentration factor (BCF):** 1.37 |
| **2-isopropyl-N,2,3-trimethylbutyramide** CAS No.: 51115-67-4 EC No.: 256-974-4 |
| **Log $K_{OW}$:** 2.5 |
| **nicotine** CAS No.: 54-11-5 EC No.: 200-193-3 |
| **Log $K_{OW}$:** 1.17 |
| **Furaneol** CAS No.: 3658-77-3 EC No.: 222-908-8 |
| **Log $K_{OW}$:** 0.95 |
| **linalool** CAS No.: 78-70-6 EC No.: 201-134-4 |
| **Log $K_{OW}$:** 2.97 |

### 12.4. Mobility in soil
No data available

### 12.5. Results of PBT and vPvB assessment

| |
|---|
| **benzyl alcohol** CAS No.: 100-51-6 EC No.: 202-859-9 |
| **Results of PBT and vPvB assessment:** This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII. |
| **2-isopropyl-N,2,3-trimethylbutyramide** CAS No.: 51115-67-4 EC No.: 256-974-4 |
| **Results of PBT and vPvB assessment:** This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII. |
| **nicotine** CAS No.: 54-11-5 EC No.: 200-193-3 |
| **Results of PBT and vPvB assessment:** This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII. |
| **linalool** CAS No.: 78-70-6 EC No.: 201-134-4 |
| **Results of PBT and vPvB assessment:** This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII. |

### 12.6. Endocrine disrupting properties
No data available

### 12.7. Other adverse effects
No data available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods
Do not allow uncontrolled discharge of product into the environment.

### Waste treatment options
**Appropriate disposal / Product:**
Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste. Consult the appropriate authorities about waste disposal.

**Appropriate disposal / Package:**
Handle contaminated packages in the same way as the substance itself.

## SECTION 14: Transport information

| Land transport (ADR/RID) | Inland waterway craft (ADN) | Sea transport (IMDG) | Air transport (ICAO-TI / IATA-DGR) |
|---|---|---|---|
| **14.1. UN number or ID number** | | | |
| No dangerous good in sense of these transport regulations. | No dangerous good in sense of these transport regulations. | No dangerous good in sense of these transport regulations. | No dangerous good in sense of these transport regulations. |
| **14.2. UN proper shipping name** | | | |
| No dangerous good in sense of these transport regulations. | No dangerous good in sense of these transport regulations. | No dangerous good in sense of these transport regulations. | No dangerous good in sense of these transport regulations. |

| Land transport (ADR/RID) | Inland waterway craft (ADN) | Sea transport (IMDG) | Air transport (ICAO-TI / IATA-DGR) |
|---|---|---|---|
| **14.3. Transport hazard class(es)** | | | |
| not relevant | not relevant | not relevant | not relevant |
| **14.4. Packing group** | | | |
| not relevant | not relevant | not relevant | not relevant |
| **14.5. Environmental hazards** | | | |
| not relevant | not relevant | not relevant | not relevant |
| **14.6. Special precautions for user** | | | |
| not relevant | not relevant | not relevant | not relevant |

### 14.7. Maritime transport in bulk according to IMO instruments
No data available

## SECTION 15: Regulatory information

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

#### 15.1.1. EU legislation

**Restrictions on use:**
Use restriction according to REACH annex XVII, no.: 3

**Other regulations (EU):**
Regulation (EU) 2016/425 of the European Parliament and of the Council of 9 March 2016 on personal protective equipment and repealing Council Directive 89/686/EEC (Text with EEA relevance)

EUROPEAN PARLIAMENT AND COUNCIL DIRECTIVE 94/62/EC of 20 December 1994 on packaging and packaging waste

#### 15.1.2. National regulations
No data available

### 15.2. Chemical Safety Assessment
Chemical safety assessments are not required for mixtures.

## SECTION 16: Other information

### * 16.1. Indication of changes

| | |
|---|---|
| 1.1. | Product identifier |
| 16.1. | Indication of changes |

### 16.2. Abbreviations and acronyms

| | |
|---|---|
| ACGIH | American Conference of Governmental Industrial Hygienists |
| 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 |
| BCF | Bioconcentration Factor |
| CAS | Chemical Abstracts Service |
| CLP | Classification, Labelling and Packaging |
| DIN | German Institute for Standardization / German Industrial Standard |
| DNEL | derived no-effect level |
| $EC_{50}$ | Effective Concentration 50% |
| ECHA | European Chemicals Agency |
| EN | European Standard |
| ES | Exposure scenario |
| ICAO | International Civil Aviation Organization |
| IMDG | International Maritime Dangerous Goods |
| IMO | International Maritime Organization |
| ISO | International Standards Organisation |

| | |
|---|---|
| $LC_{50}$ | Lethal (fatal) Concentration 50% |
| $LD_{50}$ | Lethal (fatal) Dose 50% |
| MAK | Maximum concentration in the workplace air (CH) |
| NFPA | National Fire Protection Association |
| NIOSH | National Institute for Occupational Safety & Health |
| NOEC | No Observed Effect Concentration |
| OECD | Organisation for Economic Cooperation and Development |
| OSHA | Occupational Safety & Health Administration |
| PBT | persistent and bioaccumulative and toxic |
| PNEC | Predicted No Effect Concentration |
| QSAR | Quantitative Structure-Activity Relationship |
| REACH | Registration, Evaluation and Authorization of Chemicals |
| RID | Dangerous goods regulations for transport by rail |
| TRGS | Technische Regeln für Gefahrstoffe |
| UN | United Nations |
| ZNS | central nervous system |

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

### 16.3. Key literature references and sources for data

European Chemicals Agency, http://echa.europa.eu/
Umweltbundesamt, http://webrigoletto.uba.de/rigoletto

### 16.4. Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

| Hazard classes and hazard categories | Hazard statements | Classification procedure |
|---|---|---|
| Acute toxicity (oral) *(Acute Tox. 4)* | H302: Harmful if swallowed. | Calculation method. |
| Respiratory or skin sensitisation *(Skin Sens. 1)* | H317: May cause an allergic skin reaction. | Calculation method. |

### 16.5. List of relevant hazard statements and/or precautionary statements from sections 2 to 15

| Hazard statements | |
|---|---|
| H300 | Fatal if swallowed. |
| H302 | Harmful if swallowed. |
| H310 | Fatal in contact with skin. |
| H314 | Causes severe skin burns and eye damage. |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H318 | Causes serious eye damage. |
| H319 | Causes serious eye irritation. |
| H330 | Fatal if inhaled. |
| H332 | Harmful if inhaled. |
| H411 | Toxic to aquatic life with long lasting effects. |

### 16.6. Training advice

Make sure that employees are aware of the intoxication risk. People wearing breathing apparatus must be appropriately trained.

### 16.7. Additional information

No data available

* Data changed compared with the previous version.