# Scent Sucre d'orge

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
Issue date: 11/10/2026 Revision date: 8/5/2025 Version: 12.0

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

### 1.1. Product identifier

| | | |
|---|---|---|
| Product form | : | Mixture |
| Trade name | : | Scent Sucre d'orge |
| Product code | : | 2325114 |

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

**Relevant identified uses**

| | | |
|---|---|---|
| Main use category | : | Professional use,Consumer use |
| Use of the substance/mixture | : | Fragrance composition (fragrance). |

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

LAB SAS
rue de la clef des champs
68600 Volgelsheim
France
T 0389227765
office@labsys.fr

### 1.4. Emergency telephone number

No additional information available

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

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

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 to aquatic life with long lasting effects.

### 2.2. Label elements

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

| | | |
|---|---|---|
| Hazard statements (CLP) | : | H412 - Harmful to aquatic life with long lasting effects. |
| Precautionary statements (CLP) | : | P273 - Avoid release to the environment.<br>P501 - Dispose of contents and container to a sorting center, in accordance with local regulations. |
| EUH-statements | : | EUH208 - Contains METHYL CINNAMATE, (E)-1-(2,6,6-trimethyl-1,3-cyclohexadien-1-yl)-2-buten-1-one, (E)-1-(2,6,6-trimethyl-2-cyclohexen-1-yl)-2-buten-1-one. May produce an allergic reaction. |

### 2.3. Other hazards

Contains no PBT and/or vPvB substances ≥ 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 substance(s) are 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

### 3.2. Mixtures

| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|---|---|---|---|
| 1,4-dioxacycloheptadecane-5,17-dione | CAS-No.: 105-95-3<br>EC-No.: 216-133-4 | 12.5 | Aquatic Chronic 3, H412 |
| 4-(2,6,6-trimethylcyclohex-2-ene-1-yl)-but-3-ene-2-one | CAS-No.: 127-41-3<br>EC-No.: 204-841-6 | 5 | Aquatic Chronic 2, H411 |
| diethyl malonate | CAS-No.: 105-53-3<br>EC-No.: 203-305-9 | 5 | Eye Irrit. 2, H319 |
| ethyl vanillin | CAS-No.: 121-32-4<br>EC-No.: 204-464-7 | 1.25 | Eye Irrit. 2, H319 |
| anisaldehyde | CAS-No.: 123-11-5<br>EC-No.: 204-602-6 | 1.25 | Repr. 2, H361<br>Aquatic Chronic 3, H412 |
| benzaldehyde | CAS-No.: 100-52-7<br>EC-No.: 260-555-1<br>EC Index-No.: 605-012-00-5 | 1.25 | Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg bodyweight)<br>Acute Tox. 4 (Inhalation), H332 (ATE=1.5 mg/l/4h)<br>Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>STOT SE 3, H335 |
| benzyl acetate | CAS-No.: 140-11-4<br>EC-No.: 205-399-7 | 1.25 | Aquatic Chronic 3, H412 |
| α,α-dimethylphenethyl butyrate | CAS-No.: 10094-34-5<br>EC-No.: 233-221-8 | 1.25 | Skin Irrit. 2, H315<br>Aquatic Chronic 2, H411 |
| 2-Propenoic acid, 3-phenyl-, methyl ester | CAS-No.: 103-26-4<br>EC-No.: 203-093-8 | 0.63 | Skin Sens. 1B, H317 |
| (E)-1-(2,6,6-trimethyl-2-cyclohexen-1-yl)-2-buten-1-one | CAS-No.: 24720-09-0<br>EC-No.: 246-430-4 | 0.12 | Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg bodyweight)<br>Skin Sens. 1B, H317<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410 |
| (E)-1-(2,6,6-trimethyl-1,3-cyclohexadien-1-yl)-2-buten-1-one | CAS-No.: 23726-93-4<br>EC-No.: 245-844-2 | 0.06 | Acute Tox. 4 (Inhalation), H332 (ATE=1.5 mg/l/4h)<br>Skin Irrit. 2, H315<br>Skin Sens. 1A, H317<br>Aquatic Chronic 2, H411 |

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 : If you feel unwell, seek medical advice.

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.

First-aid measures after eye contact : Rinse eyes with water as a precaution.

First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

Self protection of the first-aider : First-aiders should pay attention to their own protection and use the recommended personal protective equipment (see section 8).

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

| | | |
|---|---|---|
| Symptoms/effects after inhalation | : | None under normal conditions. |
| Symptoms/effects after skin contact | : | None under normal conditions. |
| Symptoms/effects after eye contact | : | None under normal conditions. |
| Symptoms/effects after ingestion | : | None under normal conditions. |

### 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 | : | 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

| | | |
|---|---|---|
| Fire hazard | : | No fire hazard. |
| Explosion hazard | : | No direct explosion hazard. |
| Hazardous decomposition products in case of fire | : | Toxic fumes may be released. |

### 5.3. Advice for firefighters

| | | |
|---|---|---|
| Firefighting instructions | : | Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection. |
| 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

| | | |
|---|---|---|
| General measures | : | Stop leak if safe to do so. Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material damage. |

**For non-emergency personnel**

| | | |
|---|---|---|
| Protective equipment | : | Wear recommended personal protective equipment. |
| Emergency procedures | : | Ventilate spillage area. |

**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". |
| Emergency procedures | : | Evacuate unnecessary personnel. Stop leak if safe to do so. |

### 6.2. Environmental precautions

Avoid release to the environment.

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

| | | |
|---|---|---|
| For containment | : | Absorb spilled material with sand or earth. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak without risks if possible. |
| 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

| | | |
|---|---|---|
| Additional hazards when processed | : | Not expected to present a significant hazard under anticipated conditions of normal use. |
| Precautions for safe handling | : | Ensure good ventilation of the work station. Wear personal protective equipment. |
| Hygiene measures | : | Do not eat, drink or smoke when using this product. Always wash hands after handling the product. |

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

| | | |
|---|---|---|
| Technical measures | : | Keep in a cool, well-ventilated place away from heat. |
| Storage conditions | : | Keep cool. Protect from sunlight. |
| Packaging materials | : | Always store product in container of same material as original container. |

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No additional information available

### 8.2. Exposure controls

**Appropriate engineering controls**

**Appropriate engineering controls:**
Ensure good ventilation of the work station.

**Personal protection equipment**

**Personal protective equipment:**
Wear recommended personal protective equipment.

**Personal protective equipment symbol(s):**



**Eye and face protection**

**Eye protection:**
Safety glasses

**Skin protection**

**Skin and body protection:**
Wear suitable protective clothing

**Hand protection:**
Protective gloves

**Respiratory protection**

**Respiratory protection:**
In case of insufficient ventilation, wear suitable respiratory equipment

**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 |
| Colour | : | Colourless. Yellow. |
| Odour | : | Fruity. Gourmand. |
| Odour threshold | : | Not available |
| Melting point | : | Not applicable |
| Freezing point | : | Not available |
| Boiling point | : | Not available |
| Flammability | : | Non flammable |
| Lower explosion limit | : | Not available |
| Upper explosion limit | : | Not available |
| Flash point | : | 75 °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 | : | 0.9165 – 0.9365 |
| Relative vapour density at 20°C | : | Not available |
| Particle characteristics | : | Not applicable |

### 9.2. Other information

No additional information available

## 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 hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral) : Not classified (Based on available data, the classification criteria are not met)

Acute toxicity (dermal) : Not classified (Based on available data, the classification criteria are not met)

Acute toxicity (inhalation) : Not classified (Based on available data, the classification criteria are not met)

| **1,4-dioxacycloheptadecane-5,17-dione (105-95-3)** | |
|---|---|
| LD50 oral rat | > 5000 mg/kg bodyweight Animal: rat |
| LD50 dermal rabbit | > 5000 mg/kg bodyweight Animal: rabbit |

| **2-Propenoic acid, 3-phenyl-, methyl ester (103-26-4)** | |
|---|---|
| LD50 oral rat | 2610 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity), 95% CL: 2000 - 3410 |
| LD50 dermal rabbit | > 5000 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity) |

| **ethyl vanillin (121-32-4)** | |
|---|---|
| LD50 oral rat | > 3160 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity) |
| LD50 dermal rat | > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity) |

| **4-(2,6,6-trimethylcyclohex-2-ene-1-yl)-but-3-ene-2-one (127-41-3)** | |
|---|---|
| LD50 oral rat | > 2000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 423 (Acute Oral toxicity - Acute Toxic Class Method) |
| LD50 dermal rat | > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity) |

| **anisaldehyde (123-11-5)** | |
|---|---|
| LD50 oral rat | 3210 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity), 95% CL: 2755 - 3600 |
| LD50 dermal rabbit | > 5000 mg/kg bodyweight Animal: rabbit |

| **benzaldehyde (100-52-7)** | |
|---|---|
| LD50 oral rat | ≈ 1430 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 401 (Acute Oral Toxicity), 95% CL: 1,33 - 1,54 |
| LD50 dermal rabbit | > 2000 mg/kg bodyweight Animal: rabbit |
| LC50 Inhalation - Rat | 1 – 5 mg/l air Animal: rat, Guideline: OECD Guideline 436 (Acute Inhalation Toxicity: Acute Toxic Class Method) |

| **benzyl acetate (140-11-4)** | |
|---|---|
| LD50 oral rat | > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity) |

| **diethyl malonate (105-53-3)** | |
|---|---|
| LD50 oral rat | 15794 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: other: |
| LD50 dermal rabbit | > 16960 mg/kg bodyweight Animal: rabbit, Animal sex: male, Guideline: other: |

| **(E)-1-(2,6,6-trimethyl-1,3-cyclohexadien-1-yl)-2-buten-1-one (23726-93-4)** | |
|---|---|
| LD50 oral rat | > 2000 mg/kg bodyweight Animal: rat, Guideline: EU Method B.1 (Acute Toxicity (Oral)) |

Skin corrosion/irritation : Not classified (Based on available data, the classification criteria are not met)

| 2-Propenoic acid, 3-phenyl-, methyl ester (103-26-4) | |
|---|---|
| pH | 4.6 Temp.: 20 °C Concentration: 299 mg/L |

| 4-(2,6,6-trimethylcyclohex-2-ene-1-yl)-but-3-ene-2-one (127-41-3) | |
|---|---|
| pH | 4.55 Temp.: 29 °C Concentration: 1 other: |

Serious eye damage/irritation : Not classified (Based on available data, the classification criteria are not met)

| 2-Propenoic acid, 3-phenyl-, methyl ester (103-26-4) | |
|---|---|
| pH | 4.6 Temp.: 20 °C Concentration: 299 mg/L |

| 4-(2,6,6-trimethylcyclohex-2-ene-1-yl)-but-3-ene-2-one (127-41-3) | |
|---|---|
| pH | 4.55 Temp.: 29 °C Concentration: 1 other: |

Respiratory or skin sensitisation : Not classified (Based on available data, the classification criteria are not met)

Germ cell mutagenicity : Not classified (Based on available data, the classification criteria are not met)

Carcinogenicity : Not classified (Based on available data, the classification criteria are not met)

Reproductive toxicity : Not classified (Based on available data, the classification criteria are not met)

| ethyl vanillin (121-32-4) | |
|---|---|
| NOAEL (animal/female, F0/P) | 500 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 421 (Reproduction / Developmental Toxicity Screening Test) |

| 4-(2,6,6-trimethylcyclohex-2-ene-1-yl)-but-3-ene-2-one (127-41-3) | |
|---|---|
| LOAEL (animal/female, F0/P) | 1000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: other: |
| NOAEL (animal/male, F0/P) | 11.8 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: other: |
| NOAEL (animal/female, F1) | > 10 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: other: |

STOT-single exposure : Not classified (Based on available data, the classification criteria are not met)

| benzaldehyde (100-52-7) | |
|---|---|
| STOT-single exposure | May cause respiratory irritation. |

STOT-repeated exposure : Not classified (Based on available data, the classification criteria are not met)

| 1,4-dioxacycloheptadecane-5,17-dione (105-95-3) | |
|---|---|
| NOAEL (oral, rat, 90 days) | 1000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity Study in Rodents) |

| anisaldehyde (123-11-5) | |
|---|---|
| NOAEL (oral, rat, 90 days) | 100 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents) |

| (E)-1-(2,6,6-trimethyl-1,3-cyclohexadien-1-yl)-2-buten-1-one (23726-93-4) | |
|---|---|
| LOAEL (oral, rat, 90 days) | 500 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents) |
| NOAEL (oral, rat, 90 days) | 30 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents) |

| (E)-1-(2,6,6-trimethyl-2-cyclohexen-1-yl)-2-buten-1-one (24720-09-0) | |
|---|---|
| LOAEL (oral, rat, 90 days) | 500 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents) |
| NOAEL (oral, rat, 90 days) | 30 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents) |

Aspiration hazard : Not classified (Based on available data, the classification criteria are not met)

### 11.2. Information on other hazards

No additional information available

## 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 (Based on available data, the classification criteria are not met)

Hazardous to the aquatic environment, long–term (chronic) : Harmful to aquatic life with long lasting effects.

| **1,4-dioxacycloheptadecane-5,17-dione (105-95-3)** | |
|---|---|
| LC50 - Fish [1] | 1.23 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio) |
| LC50 - Fish [2] | 2.13 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio) |
| EC50 72h - Algae [1] | > 6.94 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus) |
| EC50 72h - Algae [2] | 14.579 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus) |
| EC50 96h - Algae [1] | 0.788 mg/l Test organisms (species): other: |

| **2-Propenoic acid, 3-phenyl-, methyl ester (103-26-4)** | |
|---|---|
| LC50 - Fish [1] | 2.76 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio) |
| EC50 - Crustacea [1] | 24 mg/l Test organisms (species): Daphnia magna |
| EC50 72h - Algae [1] | 7.6 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum) |

| **ethyl vanillin (121-32-4)** | |
|---|---|
| LC50 - Fish [1] | 87.6 mg/l Test organisms (species): Pimephales promelas |
| EC50 - Crustacea [1] | 26.2 mg/l Test organisms (species): Daphnia magna |
| EC50 72h - Algae [1] | > 100 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum) |
| LOEC (chronic) | 10 mg/l Test organisms (species): Daphnia magna Duration: '21 d' |
| NOEC (chronic) | 5.9 mg/l Test organisms (species): Daphnia magna Duration: '21 d' |

| **4-(2,6,6-trimethylcyclohex-2-ene-1-yl)-but-3-ene-2-one (127-41-3)** | |
|---|---|
| LC50 - Fish [1] | 6.8 mg/l Test organisms (species): Leuciscus idus |
| LC50 - Fish [2] | 1.376 mg/l Test organisms (species): other: |
| EC50 72h - Algae [1] | 50.26 mg/l Test organisms (species): Chlorella vulgaris |
| NOEC (chronic) | 0.17 mg/l Test organisms (species): Daphnia magna Duration: '21 d' |
| NOEC chronic fish | 0.173 mg/l Test organisms (species): other: Duration: '28 d' |

| **anisaldehyde (123-11-5)** | |
|---|---|
| LC50 - Fish [1] | 148.32 mg/l Test organisms (species): Leuciscus idus |
| EC50 - Crustacea [1] | 82.8 mg/l Test organisms (species): Daphnia magna |
| EC50 72h - Algae [1] | 68.4 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum) |
| LOEC (chronic) | 1.53 mg/l Test organisms (species): Daphnia magna Duration: '21 d' |
| NOEC (chronic) | 0.71 mg/l Test organisms (species): Daphnia magna Duration: '21 d' |

| **benzaldehyde (100-52-7)** | |
|---|---|
| EC50 - Crustacea [1] | 19.7 mg/l Test organisms (species): Daphnia magna |

| **benzaldehyde (100-52-7)** | |
|---|---|
| EC50 72h - Algae [1] | 33.1 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum) |
| EC50 72h - Algae [2] | 8.05 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum) |
| NOEC chronic fish | 0.12 mg/l Test organisms (species): Pimephales promelas Duration: '7 d' |

| **benzyl acetate (140-11-4)** | |
|---|---|
| LC50 - Fish [1] | 4 mg/l Test organisms (species): Oryzias latipes |
| EC50 - Crustacea [1] | 17 mg/l Test organisms (species): Daphnia magna |
| EC50 72h - Algae [1] | 110 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus) |
| EC50 72h - Algae [2] | 92 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus) |
| NOEC chronic fish | 0.92 mg/l Test organisms (species): Oryzias latipes Duration: '28 d' |

| **diethyl malonate (105-53-3)** | |
|---|---|
| EC50 - Crustacea [1] | 202.3 mg/l Test organisms (species): Daphnia magna |
| EC50 72h - Algae [1] | 508.2 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus) |
| EC50 72h - Algae [2] | > 800 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus) |

| **(E)-1-(2,6,6-trimethyl-1,3-cyclohexadien-1-yl)-2-buten-1-one (23726-93-4)** | |
|---|---|
| LC50 - Fish [1] | 1.09 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio) |
| EC50 - Crustacea [1] | 9 mg/l Test organisms (species): Daphnia sp. |
| EC50 72h - Algae [1] | 8.3 mg/l Test organisms (species): other: |

| **(E)-1-(2,6,6-trimethyl-2-cyclohexen-1-yl)-2-buten-1-one (24720-09-0)** | |
|---|---|
| LC50 - Fish [1] | 1.09 mg/l Test organisms (species): Oryzias latipes |
| EC50 - Crustacea [1] | 2.37 mg/l Test organisms (species): Daphnia magna |
| EC50 72h - Algae [1] | 5 mg/l Test organisms (species): other: |

| **α,α-dimethylphenethyl butyrate (10094-34-5)** | |
|---|---|
| LC50 - Fish [1] | ≈ 8.901 mg/l Test organisms (species): |
| EC50 - Crustacea [1] | ≈ 15.4 mg/l Test organisms (species): Daphnia magna |
| EC50 96h - Algae [1] | ≈ 4.766 mg/l Test organisms (species): |

### 12.2. Persistence and degradability

| **Scent Sucre d'orge** | |
|---|---|
| Persistence and degradability | Not rapidly degradable |

| **1,4-dioxacycloheptadecane-5,17-dione (105-95-3)** | |
|---|---|
| Persistence and degradability | Not rapidly degradable |

| **2-Propenoic acid, 3-phenyl-, methyl ester (103-26-4)** | |
|---|---|
| Persistence and degradability | Not rapidly degradable |

| ethyl vanillin (121-32-4) | |
|---|---|
| Persistence and degradability | Not rapidly degradable |

| 4-(2,6,6-trimethylcyclohex-2-ene-1-yl)-but-3-ene-2-one (127-41-3) | |
|---|---|
| Persistence and degradability | Not rapidly degradable |

| anisaldehyde (123-11-5) | |
|---|---|
| Persistence and degradability | Not rapidly degradable |

| benzaldehyde (100-52-7) | |
|---|---|
| Persistence and degradability | Not rapidly degradable |

| benzyl acetate (140-11-4) | |
|---|---|
| Persistence and degradability | Not rapidly degradable |

| diethyl malonate (105-53-3) | |
|---|---|
| Persistence and degradability | Not rapidly degradable |

| (E)-1-(2,6,6-trimethyl-1,3-cyclohexadien-1-yl)-2-buten-1-one (23726-93-4) | |
|---|---|
| Persistence and degradability | Not rapidly degradable |

| (E)-1-(2,6,6-trimethyl-2-cyclohexen-1-yl)-2-buten-1-one (24720-09-0) | |
|---|---|
| Persistence and degradability | Not rapidly degradable |

| α,α-dimethylphenethyl butyrate (10094-34-5) | |
|---|---|
| Persistence and degradability | Not rapidly degradable |

### 12.3. Bioaccumulative potential

No additional information available

### 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

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Regional waste regulation : Disposal must be done according to official regulations.

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

Sewage disposal recommendations : Disposal must be done according to official regulations.

Product/Packaging disposal recommendations : Disposal must be done according to official regulations.

Additional information : Do not re-use empty containers.

Ecological waste information : The waste of the product should be considered as hazardous as the product itself, with the likelihood of impacting the environment in the same way. Consider the handling and disposal of the waste as defined by the product itself.

HP Code : 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** | | | | |
| UN 3082 | UN 3082 | UN 3082 | UN 3082 | UN 3082 |
| **14.2. UN proper shipping name** | | | | |
| ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. | Environmentally hazardous substance, liquid, n.o.s. | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. |
| **Transport document description** | | | | |
| UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., 9, III, (-) | UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., 9, III | UN 3082 Environmentally hazardous substance, liquid, n.o.s., 9, III | UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., 9, III | UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., 9, III |
| **14.3. Transport hazard class(es)** | | | | |
| 9 | 9 | 9 | 9 | 9 |
|  |  |  |  |  |
| **14.4. Packing group** | | | | |
| III | III | III | III | III |
| **14.5. Environmental hazards** | | | | |
| Dangerous for the environment: No | Dangerous for the environment: No<br>Marine pollutant: No<br>EmS-No. (Fire): F-A<br>EmS-No. (Spillage): S-F | Dangerous for the environment: No | Dangerous for the environment: No | Dangerous for the environment: No |
| No supplementary information available | | | | |

### 14.6. Special precautions for user

**Overland transport**

| | | |
|---|---|---|
| Classification code (ADR) | : | M6 |
| Special provisions (ADR) | : | 274, 335, 375, 601, 650 |
| Limited quantities (ADR) | : | 5l |
| Excepted quantities (ADR) | : | E1 |
| Packing instructions (ADR) | : | P001, IBC03, LP01, R001 |
| Special packing provisions (ADR) | : | PP1 |
| Mixed packing provisions (ADR) | : | MP19 |
| Portable tank and bulk container instructions (ADR) | : | T4 |
| Portable tank and bulk container special provisions (ADR) | : | TP1, TP29 |
| Tank code (ADR) | : | LGBV |
| Vehicle for tank carriage | : | AT |
| Transport category (ADR) | : | 3 |
| Special provisions for carriage - Packages (ADR) | : | V12 |

| | | |
|---|---|---|
| Special provisions for carriage - Loading, unloading and handling (ADR) | : | CV13 |
| Hazard identification number (Kemler No.) | : | 90 |
| Orange plates | : |  |
| Tunnel restriction code (ADR) | : | - |
| EAC code | : | •3Z |

**Transport by sea**

| | | |
|---|---|---|
| Special provisions (IMDG) | : | 274, 335, 375, 969 |
| Limited quantities (IMDG) | : | 5 L |
| Excepted quantities (IMDG) | : | E1 |
| Packing instructions (IMDG) | : | LP01, P001 |
| Special packing provisions (IMDG) | : | PP1 |
| IBC packing instructions (IMDG) | : | IBC03 |
| Tank instructions (IMDG) | : | T4 |
| Tank special provisions (IMDG) | : | TP1, TP29 |
| Stowage category (IMDG) | : | A |

**Air transport**

| | | |
|---|---|---|
| PCA Excepted quantities (IATA) | : | E1 |
| PCA Limited quantities (IATA) | : | Y964 |
| PCA limited quantity max net quantity (IATA) | : | 30kgG |
| PCA packing instructions (IATA) | : | 964 |
| PCA max net quantity (IATA) | : | 450L |
| CAO packing instructions (IATA) | : | 964 |
| CAO max net quantity (IATA) | : | 450L |
| Special provisions (IATA) | : | A97, A158, A197, A215 |
| ERG code (IATA) | : | 9L |

**Inland waterway transport**

| | | |
|---|---|---|
| Classification code (ADN) | : | M6 |
| Special provisions (ADN) | : | 274, 335, 375, 601, 650 |
| Limited quantities (ADN) | : | 5 L |
| Excepted quantities (ADN) | : | E1 |
| Carriage permitted (ADN) | : | T |
| Equipment required (ADN) | : | PP |
| Number of blue cones/lights (ADN) | : | 0 |

**Rail transport**

| | | |
|---|---|---|
| Classification code (RID) | : | M6 |
| Special provisions (RID) | : | 274, 335, 375, 601, 650 |
| Limited quantities (RID) | : | 5L |
| Excepted quantities (RID) | : | E1 |
| Packing instructions (RID) | : | P001, IBC03, LP01, R001 |
| Special packing provisions (RID) | : | PP1 |
| Mixed packing provisions (RID) | : | MP19 |
| Portable tank and bulk container instructions (RID) | : | T4 |
| Portable tank and bulk container special provisions (RID) | : | TP1, TP29 |
| Tank codes for RID tanks (RID) | : | LGBV |
| Transport category (RID) | : | 3 |
| Special provisions for carriage – Packages (RID) | : | W12 |
| Special provisions for carriage - Loading, unloading and handling (RID) | : | CW13, CW31 |
| Colis express (express parcels) (RID) | : | CE8 |
| Hazard identification number (RID) | : | 90 |

### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable

## SECTION 15: Regulatory information

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

**EU-Regulations**

**REACH Annex XVII (Restriction List)**

| EU restriction list (REACH Annex XVII) | | |
|---|---|---|
| **Reference code** | **Applicable on** | **Entry title or description** |
| 3(b) | anisaldehyde ; benzaldehyde ; diethyl malonate ; (E)-1-(2,6,6-trimethyl-1,3-cyclohexadien-1-yl)-2-buten-1-one ; (E)-1-(2,6,6-trimethyl-2-cyclohexen-1-yl)-2-buten-1-one ; α,α-dimethylphenethyl butyrate | 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) | Scent Sucre d'orge ; 1,4-dioxacycloheptadecane-5,17-dione ; 4-(2,6,6-trimethylcyclohex-2-ene-1-yl)-but-3-ene-2-one ; anisaldehyde ; benzyl acetate ; (E)-1-(2,6,6-trimethyl-1,3-cyclohexadien-1-yl)-2-buten-1-one ; (E)-1-(2,6,6-trimethyl-2-cyclohexen-1-yl)-2-buten-1-one ; α,α-dimethylphenethyl butyrate | 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 (2024/590)**

Not listed on the Ozone Depletion list (Regulation EU 2024/590)
Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 2024/590 on substances that deplete the ozone layer)

**Council Regulation (EC) for the control of dual-use items**

Contains no substance subject to the COUNCIL REGULATION (EC) for the control of dual-use items

**Explosives Precursors Regulation (EU 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 (EC 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)

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

| **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 |
| ATE | Acute Toxicity Estimate |
| BCF | Bioconcentration factor |
| BLV | Biological limit value |
| BOD | Biochemical oxygen demand (BOD) |
| CAS-No. | Chemical Abstracts Service number |
| CLP | Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008 |
| COD | Chemical oxygen demand (COD) |
| CSA | Chemical safety assessment |
| DMEL | Derived Minimal Effect level |
| DNEL | Derived-No Effect Level |
| EC-No. | European Community number |
| EC50 | Median effective concentration |
| ED | Endocrine disruptor |
| EN | European Standard |
| EWC | European waste catalogue |
| 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 |
| Log Kow | Partition coefficient n-octanol/water (Log Kow) |
| Log Pow | Partition coefficient n-octanol/water (Log Pow) |
| MAK | maximum workplace concentration |
| NOAEC | No-Observed Adverse Effect Concentration |
| NOAEL | No-Observed Adverse Effect Level |
| NOEC | No-Observed Effect Concentration |
| N.O.S. | Not Otherwise Specified |
| OECD | Organisation for Economic Co-operation and Development |
| OEL | Occupational Exposure Limit |
| OSHA | Occupational Safety & Health Administration |
| PBT | Persistent Bioaccumulative Toxic |

| **Abbreviations and acronyms:** | |
|---|---|
| PNEC | Predicted No-Effect Concentration |
| PPE | Personal protection equipment |
| RID | Regulations concerning the International Carriage of Dangerous Goods by Rail |
| SDS | Safety Data Sheet |
| STP | Sewage treatment plant |
| TF | Technical function |
| ThOD | Theoretical oxygen demand (ThOD) |
| TLM | Median Tolerance Limit |
| TWA | Time Weighted Average |
| VOC | Volatile Organic Compounds |
| vPvB | Very Persistent and Very Bioaccumulative |
| UFI | Unique Formula Identifier |

| **Full text of H- and EUH-statements:** | |
|---|---|
| Acute Tox. 4 (Inhalation) | Acute toxicity (inhal.), 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 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 |
| Eye Irrit. 2 | Serious eye damage/eye irritation, Category 2 |
| Repr. 2 | Reproductive toxicity, Category 2 |
| Skin Irrit. 2 | Skin corrosion/irritation, Category 2 |
| Skin Sens. 1A | Skin sensitisation, category 1A |
| Skin Sens. 1B | Skin sensitisation, category 1B |
| STOT SE 3 | Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation |
| H302 | Harmful if swallowed. |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H319 | Causes serious eye irritation. |
| H332 | Harmful if inhaled. |
| H335 | May cause respiratory irritation. |
| H361 | Suspected of damaging fertility or the unborn child. |
| H400 | Very toxic to aquatic life. |
| H410 | Very toxic to aquatic life with long lasting effects. |
| H411 | Toxic to aquatic life with long lasting effects. |
| H412 | Harmful to aquatic life with long lasting effects. |
| EUH208 | Contains METHYL CINNAMATE, (E)-1-(2,6,6-trimethyl-1,3-cyclohexadien-1-yl)-2-buten-1-one, (E)-1-(2,6,6-trimethyl-2-cyclohexen-1-yl)-2-buten-1-one. May produce an allergic reaction. |

| Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]: | | |
|---|---|---|
| Aquatic Chronic 3 | H412 | Calculation method |

Safety Data Sheet (SDS), EU TDB

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.