

# SAFETY DATA SHEET

according to Global Harmonized System - China GB/T 16483



Version 1.0

Revision Date 2023/02/07

Print Date 2023/02/07

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

### 1.1 Product identifier

### SECTION 1: Identification of the mixture and of the company

#### 1.1. Product Identifier

**Trade code:** X6036  
**Trade name:** Tomorrow Garden  
**UFI:** None

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

Concentrated fragrance for manufacturing purposes only.  
Not for personal use in this form or concentration.

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

ATAVIS GRAF AG  
Paradiesrain 30  
CH4123 Allschwil  
info@atavis.ag +41 61 486 95 95

#### 1.4. Emergency telephone number

Schweizerisches Toxikologisches Informationszentrum, Zürich  
+41 (0)44 251 51 51 oder aus der Schweiz: Tel 145

## SECTION 2. Hazards identification

### 2.1 Classification

#### Classification

|                                                |                                                          |
|------------------------------------------------|----------------------------------------------------------|
| Flammable liquids, Category 4                  | H227: Combustible liquid.                                |
| Skin irritation, Category 3                    | H316: Causes mild skin irritation.                       |
| Skin sensitisation, Category 1                 | H317: May cause an allergic skin reaction.               |
| Short-term (acute) aquatic hazard, Category 3  | H402: Harmful to aquatic life.                           |
| Long-term (chronic) aquatic hazard, Category 3 | H412: Harmful to aquatic life with long lasting effects. |

### 2.2 Label elements

#### Labelling

Administrative information:  
Report Information: SDS\_CN/EN/GHS\_SDS\_CN/32  
Sales & Distribution Information: GZ03/FR/CN13/01  
Shipping Order Information: 26,045,788/20,914,726

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Hazard pictograms

:



Signal word

: Warning

Hazard statements

: H227  
H316  
H317  
H412

Combustible liquid.  
Causes mild skin irritation.  
May cause an allergic skin reaction.  
Harmful to aquatic life with long lasting effects.

Precautionary statements

: **Prevention:**

P210

Keep away from heat/ sparks/ open flames/ hot surfaces. No smoking.

P261

Avoid breathing mist or vapours.

P272

Contaminated work clothing should not be allowed out of the workplace.

P273

Avoid release to the environment.

P280

Wear protective gloves/ eye protection/ face protection.

**Response:**

P302 + P352

IF ON SKIN: Wash with plenty of water.

P333 + P313

If skin irritation or rash occurs: Get medical advice/ attention.

P362 + P364

Take off contaminated clothing and wash it before reuse.

P370 + P378

In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

**Storage:**

P403 + P235

Store in a well-ventilated place. Keep cool.

**Disposal:**

P501

Dispose of contents/ container to an approved waste disposal plant.

Hazardous components which must be listed on the label:

- (2-Methoxymethylethoxy)propanol 34590-94-8
- 3,7-dimethyl-1,6-octadien-3-ol (= Linalool) 78-70-6
- 3,7-dimethyl-1,6-octadien-3-yl acetate (= linalyl acetate) 115-95-7
- 2-acetyl-1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetra-methylnaphtalene (main isomer) 54464-57-2
- (R)-1-methyl-4-(1-methylethenyl)-cyclohexene 5989-27-5

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## 2.3 Other hazards

no data available

## SECTION 3. Composition/information on ingredients

Pure substance/mixture : Mixture

| Chemical name                                                                                             | CAS-No.<br>EC-No.        | Classification<br>(Regulation GB13690)                                                                                                                                                         | Concentration [%] |
|-----------------------------------------------------------------------------------------------------------|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| Cyclopentaneacetic acid, 3-oxo-2-pentyl-, methyl ester                                                    | 24851-98-7<br>246-495-9  | Short-term (acute)<br>aquatic hazard 3; H402                                                                                                                                                   | >= 10 - < 20      |
| (2-Methoxymethylethoxy)propanol                                                                           | 34590-94-8<br>252-104-2  | Flammable liquids 4;<br>H227                                                                                                                                                                   | >= 10 - < 20      |
| 3,7-dimethyl-1,6-octadien-3-ol (= Linalool)                                                               | 78-70-6<br>201-134-4     | Flammable liquids 4;<br>H227<br>Acute toxicity 5; H303<br>Skin irritation 2; H315<br>Eye irritation 2A; H319<br>Skin sensitisation 1B;<br>H317<br>Short-term (acute)<br>aquatic hazard 3; H402 | >= 1 - < 2.5      |
| A mixture of cis-tetrahydro-2-isobutyl-4-methylpyran-4-ol; trans-tetrahydro-2-isobutyl-4-methylpyran-4-ol | 63500-71-0<br>405-040-6  | Eye irritation 2A; H319                                                                                                                                                                        | >= 1 - < 10       |
| 3,7-dimethyl-1,6-octadien-3-yl acetate (= linalyl acetate)                                                | 115-95-7<br>204-116-4    | Flammable liquids 4;<br>H227<br>Skin irritation 2; H315<br>Eye irritation 2B; H320<br>Skin sensitisation 1B;<br>H317<br>Short-term (acute)<br>aquatic hazard 3; H402                           | >= 1 - < 2.5      |
| 2-phenylethanol                                                                                           | 60-12-8<br>200-456-2     | Acute toxicity 4; H302<br>Acute toxicity 5; H313<br>Skin irritation 3; H316<br>Eye irritation 2A; H319                                                                                         | >= 1 - < 10       |
| 2,2-dimethyl-3-(3-methylphenyl)-propanol                                                                  | 103694-68-4<br>403-140-4 | Acute toxicity 5; H303<br>Skin irritation 3; H316<br>Short-term (acute)<br>aquatic hazard 3; H402<br>Long-term (chronic)<br>aquatic hazard 3; H412                                             | >= 1 - < 2.5      |

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|----------------------------------------------------------------------------------|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| 2-acetyl-1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetra-methylnaphthalene (main isomer) | 54464-57-2<br>259-174-3 | Skin irritation 2; H315<br>Skin sensitisation 1B;<br>H317<br>Short-term (acute)<br>aquatic hazard 2; H401<br>Long-term (chronic)<br>aquatic hazard 1; H410                                    | >= 1 - < 2.5  |
| 3-(3,4-Methylene dioxyphenyl)-2-methylpropanal                                   | 1205-17-0<br>214-881-6  | Acute toxicity 5; H303<br>Skin sensitisation 1B;<br>H317<br>Reproductive toxicity 2;<br>H361<br>Short-term (acute)<br>aquatic hazard 2; H401<br>Long-term (chronic)<br>aquatic hazard 2; H411 | >= 0.25 - < 1 |
| (R)-1-methyl-4-(1-methylethenyl)-cyclohexene                                     | 5989-27-5<br>227-813-5  | Flammable liquids 3;<br>H226<br>Skin irritation 2; H315<br>Skin sensitisation 1;<br>H317<br>Short-term (acute)<br>aquatic hazard 1; H400<br>Long-term (chronic)<br>aquatic hazard 1; H410     | >= 0.25 - < 1 |
| 3,7-dimethyl-2,6-octadienyl acetate (= geranyl acetate)                          | 105-87-3<br>203-341-5   | Skin irritation 2; H315<br>Skin sensitisation 1B;<br>H317<br>Short-term (acute)<br>aquatic hazard 2; H401<br>Long-term (chronic)<br>aquatic hazard 3; H412                                    | >= 0.25 - < 1 |
| (2E)-3,7-dimethyl-2,6-octadien-1-ol (= geraniol)                                 | 106-24-1<br>203-377-1   | Acute toxicity 5; H303<br>Skin irritation 2; H315<br>Serious eye damage 1;<br>H318<br>Skin sensitisation 1;<br>H317<br>Short-term (acute)<br>aquatic hazard 3; H402                           | >= 0.25 - < 1 |
| cis-3-hexenyl 2-hydroxybenzoate                                                  | 65405-77-8<br>265-745-8 | Acute toxicity 5; H303<br>Short-term (acute)<br>aquatic hazard 1; H400<br>Long-term (chronic)<br>aquatic hazard 2; H411                                                                       | >= 0.25 - < 1 |
| 3,7-dimethyl-6-octen-1-ol (= citronellol)                                        | 106-22-9<br>203-375-0   | Acute toxicity 5; H303<br>Acute toxicity 5; H313<br>Skin irritation 2; H315<br>Eye irritation 2A; H319<br>Skin sensitisation 1B;<br>H317<br>Short-term (acute)<br>aquatic hazard 2; H401      | >= 0.25 - < 1 |

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|                                        |                         |                                                                                                                                                                                                                           |                     |
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| 3-(4-isobutyl-2-methylphenyl)propanal  | 1637294-12-2            | Acute toxicity 4; H332<br>Skin irritation 2; H315<br>Eye irritation 2B; H320<br>Skin sensitisation 1B;<br>H317<br>Short-term (acute)<br>aquatic hazard 2; H401<br>Long-term (chronic)<br>aquatic hazard 2; H411           | $\geq 0.25 - < 1$   |
| diphenyl ether                         | 101-84-8<br>202-981-2   | Acute toxicity 5; H303<br>Skin irritation 3; H316<br>Eye irritation 2A; H319<br>Short-term (acute)<br>aquatic hazard 1; H400<br>Long-term (chronic)<br>aquatic hazard 3; H412                                             | $\geq 0.1 - < 0.25$ |
| 2H-1-benzopyran-2-one (=coumarin)      | 91-64-5<br>202-086-7    | Acute toxicity 4; H302<br>Skin sensitisation 1B;<br>H317<br>Short-term (acute)<br>aquatic hazard 3; H402                                                                                                                  | $\geq 0.1 - < 0.25$ |
| 2-methyl-3-(4-isopropylphenyl)propanal | 103-95-7<br>203-161-7   | Flammable liquids 4;<br>H227<br>Acute toxicity 5; H303<br>Skin irritation 2; H315<br>Skin sensitisation 1B;<br>H317<br>Short-term (acute)<br>aquatic hazard 2; H401<br>Long-term (chronic)<br>aquatic hazard 3; H412      | $\geq 0.1 - < 0.25$ |
| Terpenes and Terpenoids, lemon-oil     | 68917-33-9<br>284-515-8 | Flammable liquids 3;<br>H226<br>Skin irritation 2; H315<br>Skin sensitisation 1;<br>H317<br>Aspiration hazard 1;<br>H304<br>Short-term (acute)<br>aquatic hazard 2; H401<br>Long-term (chronic)<br>aquatic hazard 2; H411 | $\geq 0.1 - < 0.25$ |

## SECTION 4. First aid measures

### 4.1 Description of first aid measures

General advice : Move out of dangerous area.  
Show this safety data sheet to the doctor in attendance.  
Do not leave the victim unattended.

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- |                         |                                                                                                                                                                                                                                    |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| If inhaled              | : If unconscious, place in recovery position and seek medical advice.<br>If symptoms persist, call a physician.                                                                                                                    |
| In case of skin contact | : If skin irritation persists, call a physician.<br>If on skin, rinse well with water.<br>If on clothes, remove clothes.                                                                                                           |
| In case of eye contact  | : Remove contact lenses.<br>Immediately flush eyes for at least 15 minutes. Get medical attention.                                                                                                                                 |
| If swallowed            | : Induce vomiting immediately and call a physician.<br>Keep respiratory tract clear.<br>Do not give milk or alcoholic beverages.<br>Never give anything by mouth to an unconscious person.<br>Take victim immediately to hospital. |

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

- |          |                     |
|----------|---------------------|
| Symptoms | : no data available |
| Risks    | : no data available |

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

- |           |                     |
|-----------|---------------------|
| Treatment | : no data available |
|-----------|---------------------|

## SECTION 5. Firefighting measures

### 5.1 Extinguishing media

- |                              |                                                                                              |
|------------------------------|----------------------------------------------------------------------------------------------|
| Suitable extinguishing media | : Dry chemical<br>Alcohol-resistant foam<br>Carbon dioxide (CO <sub>2</sub> )<br>Water spray |
|------------------------------|----------------------------------------------------------------------------------------------|

- |                                |                     |
|--------------------------------|---------------------|
| Unsuitable extinguishing media | : no data available |
|--------------------------------|---------------------|

### 5.2 Special hazards arising from the substance or mixture

- |                                      |                                                                             |
|--------------------------------------|-----------------------------------------------------------------------------|
| Specific hazards during firefighting | : Do not allow run-off from fire fighting to enter drains or water courses. |
|--------------------------------------|-----------------------------------------------------------------------------|

### 5.3 Advice for firefighters

- |                              |                                                               |
|------------------------------|---------------------------------------------------------------|
| Special protective equipment | : Wear self-contained breathing apparatus for firefighting if |
|------------------------------|---------------------------------------------------------------|

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for firefighters

necessary.

Further information

: Collect contaminated fire extinguishing water separately. This must not be discharged into drains.  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.  
For safety reasons in case of fire, cans should be stored separately in closed containments.  
Use a water spray to cool fully closed containers.

## SECTION 6. Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protective equipment.

### 6.2 Environmental precautions

Environmental precautions : Prevent product from entering drains.  
If the product contaminates rivers and lakes or drains inform respective authorities.

### 6.3 Methods and materials for containment and cleaning up

Methods for cleaning up : Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).  
Keep in suitable, closed containers for disposal.

### 6.4 Reference to other sections

Not applicable

## SECTION 7. Handling and storage

### 7.1 Precautions for safe handling

Advice on safe handling : Avoid formation of aerosol.  
Do not breathe vapours/dust.  
Avoid exposure - obtain special instructions before use.  
Avoid contact with skin and eyes.  
For personal protection see section 8.

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Smoking, eating and drinking should be prohibited in the application area.  
Provide sufficient air exchange and/or exhaust in work rooms.  
Dispose of rinse water in accordance with local and national regulations.

Advice on protection against fire and explosion : Do not spray on a naked flame or any incandescent material.  
Keep away from open flames, hot surfaces and sources of ignition.

## 7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : No smoking.  
Keep in a well-ventilated place.  
Containers which are opened must be carefully resealed and kept upright to prevent leakage.  
Observe label precautions.  
Electrical installations / working materials must comply with the technological safety standards.

Further information on storage conditions : Ambient / 10-30°C (50-85°F)  
Dry, well ventilated, preferably full, hermetically sealed  
Advice on common storage : Protect against light.  
Other data : No decomposition if stored and applied as directed.

## 7.3 Specific end use(s)

Not applicable

## SECTION 8. Exposure controls/personal protection

### 8.1 Control parameters

| Components                       | CAS-No.    | Value   | Control parameters | Update     | Basis  |
|----------------------------------|------------|---------|--------------------|------------|--------|
| (2-Methoxymethylethoxy)prop anol | 34590-94-8 | PC-TWA  | 600 mg/m3          | 2019-08-27 | CN OEL |
|                                  |            | PC-STEL | 900 mg/m3          | 2019-08-27 | CN OEL |
| diphenyl ether                   | 101-84-8   | PC-TWA  | 7 mg/m3            | 2002-04-08 | CN OEL |
|                                  |            | PC-STEL | 14 mg/m3           | 2002-04-08 | CN OEL |

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|-------------------------------------|------------|---------------------------------------|----------------------|------------|--------------|
|                                     |            |                                       |                      |            |              |
|                                     |            | PC-TWA                                | 7 mg/m3              | 2019-08-27 | CN OEL       |
|                                     |            | PC-STEEL                              | 14 mg/m3             | 2019-08-27 | CN OEL       |
| (2-Methoxymethylethoxy)prop<br>anol | 34590-94-8 | TWA                                   | 100 ppm<br>600 mg/m3 | 2013-10-08 | NIOSH<br>REL |
| Further<br>information              | :          | skin: Potential for dermal absorption |                      |            |              |
|                                     |            | ST                                    | 150 ppm<br>900 mg/m3 | 2013-10-08 | NIOSH<br>REL |
| Further<br>information              | :          | skin: Potential for dermal absorption |                      |            |              |
|                                     |            | TWA                                   | 100 ppm<br>600 mg/m3 | 1997-08-04 | OSHA Z-1     |
| Further<br>information              | :          | X: Skin designation                   |                      |            |              |
|                                     |            | STEEL                                 | 150 ppm<br>900 mg/m3 | 1989-01-19 | OSHA P0      |
| Further<br>information              | :          | X: Skin notation                      |                      |            |              |
|                                     |            | TWA                                   | 100 ppm<br>600 mg/m3 | 1989-01-19 | OSHA P0      |
| Further<br>information              | :          | X: Skin notation                      |                      |            |              |
|                                     |            | PEL                                   | 100 ppm<br>600 mg/m3 | 2014-11-26 | CAL PEL      |
| Further<br>information              | :          | S: Skin                               |                      |            |              |
|                                     |            | STEEL                                 | 150 ppm<br>900 mg/m3 | 2014-11-26 | CAL PEL      |
| Further<br>information              | :          | S: Skin                               |                      |            |              |

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|---------------------|----------|----------------------------------------------------|------------------|------------|--------------|
| diphenyl ether      | 101-84-8 | TWA                                                | 1 ppm            | 2013-03-01 | ACGIH        |
|                     |          | STEL                                               | 2 ppm            | 2013-03-01 | ACGIH        |
|                     |          | TWA                                                | 1 ppm<br>7 mg/m3 | 2013-10-08 | NIOSH<br>REL |
|                     |          | TWA                                                | 1 ppm<br>7 mg/m3 | 2011-07-01 | OSHA Z-1     |
|                     |          | TWA                                                | 1 ppm            | 2007-01-01 | ACGIH        |
| Further information | :        | Eye & Upper Respiratory Tract irritation<br>Nausea |                  |            |              |
|                     |          | PEL                                                | 1 ppm<br>7 mg/m3 | 2014-11-26 | CAL PEL      |
|                     |          | STEL                                               | 2 ppm            | 2007-01-01 | ACGIH        |
| Further information | :        | Eye & Upper Respiratory Tract irritation<br>Nausea |                  |            |              |
|                     |          | TWA                                                | 1 ppm<br>7 mg/m3 | 1997-08-04 | OSHA Z-1     |
| Further information | :        | (b): The value in mg/m3 is approximate.            |                  |            |              |
|                     |          | TWA                                                | 1 ppm<br>7 mg/m3 | 1989-01-19 | OSHA P0      |
|                     |          | TWA                                                | 1 ppm<br>7 mg/m3 | 1989-01-19 | OSHA P0      |

## 8.2 Exposure controls

Exposure assessment: Exposures are dependent on the product being handled, the potential for chemical release, and any resulting airborne concentrations or dermal

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contact. Since product handling and release scenarios vary, and no two workplaces are exactly alike, it is recommended that the potential for exposure be assessed prior to the product's use or introduction. Exposure assessments should be performed by an occupational hygienist, industrial hygienist, or other qualified occupational or environmental health professional. An exposure assessment should be conducted to determine the efficacy of any ventilation and the need for additional PPE. The PPE indicated below are recommendations for worst-case scenario exposures. An exposure assessment will identify more applicable measures to be implemented. EN and ANSI standards are mentioned in the following recommendations, consult equivalent local standards when required.

PPE is always the last resort to avoid exposure. In any case technical and organisational measures have to be explored and used prior to the selection of PPE. The PPE selection is for operators trained to work with chemicals according to good industrial hygiene and safety practice. Operators have to be trained on the use of PPE.

## 8.2.1 Engineering measures

Use engineering controls to maintain airborne levels below exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, use the product only with adequate ventilation.

## 8.2.2 Personal protective equipment

- |                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Eye/face protection    | : Use safety goggles tested according to EN 166/ ANSI Z87.1 or equivalent local standard.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Hand protection        | : Use gloves when handling substance in open systems. Inspect gloves prior to use. Train operators for proper use. If only incidental exposure is expected: (work without direct contact to substance) use gloves tested according EN 16523-1/ASTM F739 or equivalent local standard breakthrough times at least 10 minutes, tested for chemicals indicated in chapter 3 of this SDS. Change gloves frequently. If direct skin contact is expected: use gloves tested according to EN 16523-1/ASTM F739 or equivalent local standard, tested for chemicals indicated in chapter 3 of this SDS. Permeation time must exceed contact time. |
| Other skin protection  | : Wear working clothes covering arms and legs. The type of protective equipment must be selected according to the concentration and amount of the hazardous substance at the specific workplace. Use apron and sleeve covers or complete chemical suit if exposure is expected.                                                                                                                                                                                                                                                                                                                                                          |
| Respiratory protection | : Respiratory protection should be worn when workplace exposures exceed exposure limit requirements or guidelines. If there are no applicable exposure limits or guidelines, use an approved respirator where there is a potential for adverse effects, including but not limited to respiratory irritation or odor,                                                                                                                                                                                                                                                                                                                     |

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or where indicated by the exposure assessment. Selection of air-purifying or positive-pressure supplied-air will depend on the results of the exposure assessment which includes an evaluation of the specific operations and the potential airborne concentrations. For emergency conditions, use an approved positive-pressure self-contained breathing apparatus.

In case a risk analysis proved the cartridge respirator as acceptable, use type:  
ABEK-P3 (EN 14387) OR Combination Multi-gas/P100 (42CFR84.193; ANSI Z88.7 or equivalent local standard) as a backup to engineering controls.

In absence of engineering controls, use self-contained breathing apparatus or full face supplied air respirators. Use respirators and components tested and approved under appropriate government standards such as CEN (EU) or NIOSH 42 CFR 84(US).

Thermal hazards : Wear appropriate thermal protective clothing, when necessary.

Hygiene measures : Remove contaminated clothing and protective equipment before entering eating areas.  
Do not eat, drink or smoke during work.  
Wash hands any time after handling the product.

## 8.2.3 Environmental exposure controls

General advice : Prevent product from entering drains.  
If the product contaminates rivers and lakes or drains inform respective authorities.

## SECTION 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

|                           |                                              |
|---------------------------|----------------------------------------------|
| Physical state            | : liquid                                     |
| Form                      | : Clear liquid                               |
| Colour                    | : colorless to Pale yellow                   |
| Taste                     | : not determined                             |
| Odour                     | : Chypre, fruity, woody                      |
| Odour Threshold           | : Not applicable                             |
| Flash point               | : 84 °C Method: Grabner miniflash closed cup |
| Lower explosion limit     | : not determined                             |
| Upper explosion limit     | : not determined                             |
| Flammability              | : Not applicable                             |
| Oxidizing properties      | : no data available                          |
| Auto-ignition temperature | : not determined                             |

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|                                        |                                           |
|----------------------------------------|-------------------------------------------|
| Decomposition temperature              | : no data available                       |
| pH                                     | : not determined                          |
| Vapour pressure                        | : 0.2238 hPa at 20 °C Calculated (99.9 %) |
| Density                                | : 978.23 kg/m3 at 20 °C                   |
| Bulk density                           | : Not applicable                          |
| Water solubility                       | : not determined                          |
| Solubility/qualitative                 | : not determined                          |
| Partition coefficient: n-octanol/water | : Not applicable                          |
| Viscosity, kinematic                   | : no data available                       |
| Relative vapour density                | : no data available                       |
| Evaporation rate                       | : no data available                       |

## SECTION 10. Stability and reactivity

### 10.1 Reactivity

none

### 10.2 Chemical stability

The product is chemically stable.

### 10.3 Possibility of hazardous reactions

Hazardous reactions : No decomposition if stored and applied as directed. Vapours may form explosive mixture with air.

### 10.4 Conditions to avoid

Conditions to avoid : Heat, flames and sparks.

### 10.5 Incompatible materials

Materials to avoid : no data available

### 10.6 Hazardous decomposition products

Hazardous decomposition products : no data available  
Thermal decomposition : no data available

## SECTION 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

Administrative information:  
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**Acute oral toxicity** : Acute toxicity estimate  
Dose: > 5,000 mg/kg  
Method: Calculation method

**Acute inhalation toxicity** : No data is available on the product itself.

**Acute dermal toxicity** : Acute toxicity estimate  
Dose: > 5,000 mg/kg  
Method: Calculation method

**Acute toxicity (other routes of administration)** : No data is available on the product itself.

## **Skin corrosion/irritation**

Skin irritation : May cause skin irritation and/or dermatitis.

## **Serious eye damage/eye irritation**

Eye irritation : Vapours may cause irritation to the eyes, respiratory system and the skin.

## **Respiratory or skin sensitisation**

Sensitisation : No data is available on the product itself.

## **Germ cell mutagenicity**

Germ cell mutagenicity : No data is available on the product itself.

## **Carcinogenicity**

Carcinogenicity : No data is available on the product itself.

**Reproductive toxicity** : No data is available on the product itself.

## **Target Organ Systemic Toxicant - Single exposure**

Target Organ Systemic Toxicant - Single exposure : No data is available on the product itself.

## **Target Organ Systemic Toxicant - Repeated exposure**

Target Organ Systemic Toxicant - Repeated exposure : No data is available on the product itself.

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## Aspiration hazard

Aspiration toxicity : No data is available on the product itself.

## Phototoxicity

Phototoxicity : No data is available on the product itself.

**Further information** : no data available

## SECTION 12. Ecological information

### Ecotoxicity

#### Components:

##### **(R)-p-mentha-1,8-diene:**

M-Factor (Acute aquatic toxicity) : 1

M-Factor (Chronic aquatic toxicity) : 1

##### **(Z)-3-hexenyl salicylate:**

M-Factor (Acute aquatic toxicity) : 1

##### **diphenyl ether:**

M-Factor (Acute aquatic toxicity) : 1

### **Persistence and degradability**

no data available

### **Bioaccumulative potential**

no data available

### **Mobility in soil**

no data available

### **Other adverse effects**

#### Product:

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.  
Harmful to aquatic life with long lasting effects.

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## SECTION 13. Disposal considerations

### 13.1 Waste treatment methods

Product : The product should not be allowed to enter drains, water courses or the soil.  
Do not contaminate ponds, waterways or ditches with chemical or used container.  
Send to a licensed waste management company.

Contaminated packaging : Empty remaining contents.  
Dispose of as unused product.  
Do not re-use empty containers.  
Do not burn, or use a cutting torch on, the empty drum.

Dispose of in accordance with local regulations.

## SECTION 14. Transport information

### 14.1 UN number

N/A

### 14.2 UN proper shipping name

Not dangerous goods

### 14.3 Transport hazard class(es)

N/A

### 14.4 Packing group

N/A

### 14.5 Environmental hazards

N/A

### 14.6 Special precautions for user

N/A

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

Not applicable for product as supplied.

## SECTION 15. Regulatory information

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

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## **Below regulations has been referred:**

Regulations on the Control over Safety of Dangerous Chemicals  
GB13690 General Rule for classification and hazard communication of chemicals  
GB30000 Series Rules for classification and labelling of chemicals  
GB/T16483 Safety data sheet for chemical products - Content and order of sections  
GB15258 General rules for preparation of precautionary label for chemicals  
GB6944 Classification and code of dangerous goods  
GBZ2.1 Occupational exposure limits for hazardous agents in the workplace part 1: Chemical hazardous agents  
List of hazardous waste of China  
Inventory of Existing Chemical Substances in China (IECSC)

## **Catalogue of Commodities Forbidden to Import**

These components are not in the list

## **Catalogue of Commodities Forbidden to Export**

These components are not in the list

## **List of strict control toxic chemicals on import and export of China**

These components are not in the list

All existing national regulations must be followed when handle the product and dispose its waste

## **SECTION 16. Other information**

### **Full text of H-Statements referred to under sections 2 and 3.**

|      |                                                       |
|------|-------------------------------------------------------|
| H226 | Flammable liquid and vapour.                          |
| H227 | Combustible liquid.                                   |
| H302 | Harmful if swallowed.                                 |
| H303 | May be harmful if swallowed.                          |
| H304 | May be fatal if swallowed and enters airways.         |
| H313 | May be harmful in contact with skin.                  |
| H315 | Causes skin irritation.                               |
| H316 | Causes mild skin irritation.                          |
| H317 | May cause an allergic skin reaction.                  |
| H318 | Causes serious eye damage.                            |
| H319 | Causes serious eye irritation.                        |
| H320 | Causes eye irritation.                                |
| H332 | Harmful if inhaled.                                   |
| H361 | Suspected of damaging fertility or the unborn child.  |
| H400 | Very toxic to aquatic life.                           |
| H401 | Toxic to aquatic life.                                |
| H402 | Harmful 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.    |

### **Full list of Emergency response numbers worldwide.**

#### **Administrative information:**

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|                    | Country                 | Phone nr                         |       | Country                  | Phone nr                          |
|--------------------|-------------------------|----------------------------------|-------|--------------------------|-----------------------------------|
| Europe             | All Europe              | +44 1235 239670                  | APAC  | All East/South East Asia | +65 3158 1074                     |
|                    | France                  | +33 1 72 11 00 03                |       | Sri Lanka                | +65 3158 1195                     |
|                    | Germany                 | +49 89 220 61012                 |       | Taiwan                   | +886 2 8793 3212                  |
|                    | Spain                   | +34 91 114 2520                  |       | Japan                    | 0120 015 230                      |
|                    | Italy                   | 800 699 792                      |       | Indonesia                | 007 803 011 0293                  |
|                    | Netherlands             | +31 10 713 8195                  |       | Malaysia                 | +60 3 6207 4347                   |
|                    | Turkey                  | 0800 621 2139<br>+44 1235 239670 |       | Thailand                 | 001 800 120 666 751               |
|                    | Norway                  | +47 2103 4452                    |       | India                    | +65 3158 1198<br>000 800 100 7479 |
|                    | Greece                  | +30 21 1198 3182                 |       | Pakistan                 | +65 3158 1329                     |
|                    | Portugal                | +351 30880 4750                  |       | Bangladesh               | +65 3158 1200                     |
|                    | Denmark                 | +45 8988 2286                    |       | Philippines              | +63 2 8231 2149                   |
|                    | Sweden                  | +46 8 566 42573                  |       | Vietnam                  | +84 28 4458 2388                  |
|                    | Poland                  | +48 22 307 3690                  |       | Korea                    | +65 3158 1285                     |
|                    | Czech republic          | +420 228 882 830                 |       | South Korea              | +82 2 3479 8401                   |
|                    | Finland                 | +358 9 7479 0199                 |       | Australia                | +61 2 8014 4558                   |
| Middle East/Africa | All Middle East/Africa  | +44 1235 239671                  | LATAM | New Zealand              | +64 9 929 1483                    |
|                    | Bahrain and Middle East | +44 1235 239671                  |       | China                    | +86 532 8388 9090                 |
|                    | Africa/South Africa     | +27 21 300 2732                  |       | Mexico                   | +52 55 5004 8763                  |
| NOAM               | USA and Canada          | +1 866 928 0789                  |       | Brazil                   | +55 11 3197 5891                  |
|                    | USA and Canada          | +1 215 207 0061                  |       | Chile                    | +56 2 2582 9336                   |
|                    | USA and Canada          | +1 202 464 2554                  |       | Colombia                 | +57 1 508 7337                    |
| Global             | Global                  | +44 1865 407333                  |       | Argentina                | +54 11 5984 3690                  |

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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Information displayed in section 3 (Composition/information on ingredients) is additional information to understand the hazards of the product and ensure safe handling, storage and transportation. This information, including CAS numbers, is not meant to be used for registration, notification or any other purposes.

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