

## SAFETY DATA SHEET

# PRF Label off

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

### 1.1. Product identifier

#### Trade name

PRF Label off

#### Product no.

PELAB22,PELAB52

#### Unique formula identifier (UFI)

5C9X-C8NV-W00M-P75P

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

#### Relevant identified uses of the substance or mixture

Cleaning product

#### EuPCS

PC-CLN-2 / All-purpose (or multi-purpose) non-abrasive cleaners

#### Uses advised against

None known.

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

#### Company and address

##### Taerosol Oy

Hampuntie 21

36220 Kangasala

Finland

+358 033565600

<http://www.taerosol.com>

#### E-mail

[tilaukset@taerosol.com](mailto:tilaukset@taerosol.com)

#### Revision

12/02/2025

#### SDS Version

7.0

#### Date of previous version

12/12/2024 (6.0)

### 1.4. Emergency telephone number

HUS Poison Information Center, 24h 0800 147 111

Poison Information Center / HUS, Tukholmankatu 17, 00029 HUS (Helsinki)

See first aid measures section 4.

## SECTION 2: Hazards identification

Classified according to Regulation (EC) No. 1272/2008 (CLP).

### 2.1. Classification of the substance or mixture

Aerosol 1; H222, H229, Extremely flammable aerosol. Pressurised container: May burst if heated.

Skin Irrit. 2; H315, Causes skin irritation.

Skin Sens. 1; H317, May cause an allergic skin reaction.

STOT SE 3; H336, May cause drowsiness or dizziness.

Aquatic Acute 1; H400, Very toxic to aquatic life.

Aquatic Chronic 1; H410, Very toxic to aquatic life with long lasting effects.

### 2.2. Label elements

#### Hazard pictogram(s)



#### Signal word

Danger

**Hazard statement(s)**

Extremely flammable aerosol. Pressurised container: May burst if heated. (H222, H229)  
 Causes skin irritation. (H315)  
 May cause an allergic skin reaction. (H317)  
 May cause drowsiness or dizziness. (H336)  
 Very toxic to aquatic life with long lasting effects. (H410)

**Precautionary statement(s)****General**

Keep out of reach of children. (P102)

**Prevention**

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. (P210)  
 Do not spray on an open flame or other ignition source. (P211)  
 Do not pierce or burn, even after use. (P251)  
 Wear protective gloves. (P280)

**Response**

-

**Storage**

Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122°F. (P410+P412)

**Disposal**

Dispose of contents/container in accordance with local regulation (P501)

**Hazardous substances**

Orange, sweet, ext.

(R)-p-mentha-1,8-diene

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane

**Additional labelling**

UFI: 5C9X-C8NV-W00M-P75P

**Labelling of contents according to Detergents Regulation (EC) No 648/2004**

≥ 30%

· Aliphatic hydrocarbons

· Perfumes (CITRUS AURANTIUM DULCIS FRUIT EXTRACT, LIMONENE, LINALOOL, PINENE)

< 5%

· Aromatic hydrocarbons

**2.3. Other hazards****Additional warnings**

In the event of leaks, high concentrations of gases can quickly form. They can be toxic, asphyxiating, or explosive. This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification. This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2023/707.

**SECTION 3: Composition/information on ingredients****3.1. Substances**

Not applicable. This product is a mixture.

**3.2. ▼Mixtures**

| Product/substance  | Identifiers   | % w/w | Classification  | Note |
|--|---|-------|---|------|
| Orange, sweet, ext.  | CAS No.: 8028-48-6<br>EC No.: 232-433-8<br>REACH:<br>Index No.: | < 50% | Flam. Liq. 3, H226<br>Asp. Tox. 1, H304<br>Skin Irrit. 2, H315<br>Skin Sens. 1, H317<br>Aquatic Chronic 1, H410 (M=1)                           | [9]  |
| (R)-p-mentha-1,8-diene   | CAS No.: 5989-27-5<br>EC No.: 227-813-5<br>REACH:<br>Index No.: | < 50% | Flam. Liq. 3, H226<br>Asp. Tox. 1, H304<br>Skin Irrit. 2, H315<br>Skin Sens. 1B, H317<br>Aquatic Acute 1, H400 (M=1)<br>Aquatic Chronic 3, H412 | [9]  |
| Hydrocarbons, C6, isoalkanes, <5% n-hexane &/<br>Hydrocarbons, C6-C7, n- | CAS No.: 931-254-9 / 921-024-6 / 926-605-8 / 927-510-4          | < 50% | Flam. Liq. 2, H225<br>Asp. Tox. 1, H304<br>Skin Irrit. 2, H315  |      |

|  |   |       |   |
|--|---|-------|---|
| alkanes, isoalkanes, cyclics, <5% n-hexane &// Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane &// Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics               | REACH: 01-2119484651-34- / 01-2119475514-35- / 01-2119486291-36- / 01-2119475515-33- Index No.: | < 20% | STOT SE 3, H336<br>Aquatic Chronic 2, H411  |
| Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclic, <2% aromatics  | CAS No.: 918-481-9<br>EC No.: 918-481-9<br>REACH: 01-2119457273-39- Index No.:                  | < 20% | EUH066<br>Asp. Tox. 1, H304   |
| Isopentane   | CAS No.: 78-78-4<br>EC No.: 201-142-8<br>REACH: 01-2119475602-38- Index No.: 601-085-00-2       | < 1%  | EUH066<br>Flam. Liq. 1, H224<br>Asp. Tox. 1, H304<br>STOT SE 3, H336<br>Aquatic Chronic 2, H411   |
| 7-Methyl-3-methyleneocta-1,6-diene   | CAS No.: 123-35-3<br>EC No.: 204-622-5<br>REACH:<br>Index No.:                                  | < 1%  | Flam. Liq. 3, H226<br>Asp. Tox. 1, H304<br>Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>Aquatic Acute 1, H400 (M=1)<br>Aquatic Chronic 2, H411                              |
| Pin-2(3)-ene   | CAS No.: 80-56-8<br>EC No.: 201-291-9<br>REACH:<br>Index No.:                                   | < 1%  | Flam. Liq. 3, H226<br>Acute Tox. 4, H302<br>Asp. Tox. 1, H304<br>Skin Irrit. 2, H315<br>Skin Sens. 1B, H317<br>Aquatic Acute 1, H400 (M=1)<br>Aquatic Chronic 1, H410 (M=1) |
| linalool; 3,7-dimethyl-1,6-octadien-3-ol; dl-linalool;coriandrol; (S)-3,7-dimethyl-1,6-octadien-3-ol; dl-linalool;licareol; (R)-3,7-dimethyl-1,6-octadien-3-ol; linalool | CAS No.: 78-70-6<br>EC No.: 201-134-4<br>REACH:<br>Index No.:                                   | < 1%  | Skin Irrit. 2, H315<br>Skin Sens. 1B, H317<br>Eye Irrit. 2, H319  |

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

#### Other information

[1] European occupational exposure limit.

[9] Identified by EU as a fragrance ingredients, known to cause allergic contact dermatitis (Regulation (EC) No 1223/2009 on cosmetic products)

#### SECTION 4: First aid measures

##### 4.1. Description of first aid measures

###### General information

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

###### Inhalation

Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

###### Skin contact

IF ON SKIN: Wash with plenty of water/water and soap.

Remove contaminated clothing and shoes. Ensure to wash exposed skin thoroughly with water and soap. DO NOT

use solvents or thinners.

If skin irritation occurs: Get medical advice/attention.

#### **Eye contact**

If in eyes: Flush eyes with water or saline water (20-30 °C) for at least 5 minutes. Remove contact lenses. Seek medical assistance and continue flushing during transport.

#### **Ingestion**

If the person is conscious, rinse the mouth with water and stay with the person. Never give the person anything to drink.

In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the person lean forward with head down to avoid inhalation of or choking on vomited material.

#### **Burns**

Rinse with water until pain stops then continue to rinse for 30 minutes.

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

Sensitisation: This product contains substances, which may trigger allergic reaction upon dermal contact.

Manifestation of allergic reactions typically takes place within 12-72 hours after exposure.

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

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

#### **Information to medics**

Bring this safety data sheet or the label from this product.

## SECTION 5: Firefighting measures

### **5.1. Extinguishing media**

Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powder, water mist.

Unsuitable extinguishing media: Waterjets should not be used, since they can spread the fire.

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

Extremely flammable aerosol. Pressurised container. In a fire or if heated, a pressure increase will occur and the container may burst.

In use may form flammable/explosive vapour-air mixture.

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:

Carbon oxides (CO / CO<sub>2</sub>)

### **5.3. Advice for firefighters**

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact the Poison Information Center on: 09-471977, in order to obtain further advice.

## SECTION 6: Accidental release measures

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

Accidental releases always pose a serious risk of fire or explosion.

Storages not yet ignited must be cooled by water mist. Remove flammable materials if conditions allow it. Ensure sufficient ventilation.

Avoid direct contact with spilled substances.

Ensure adequate ventilation, especially in confined areas.

Avoid inhalation of vapours from spilled material.

### **6.2. Environmental precautions**

Avoid discharge to lakes, streams, sewers, etc. In the event of leakage to the surroundings, contact local environmental authorities.

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

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

### **6.4. Reference to other sections**

See section 13 "Disposal considerations" on handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

## SECTION 7: Handling and storage

### **7.1. Precautions for safe handling**

Do not spray on an open flame or other ignition source.

Do not pierce or burn, even after use.

Smoking, drinking and consumption of food is not allowed in the work area.

See section 8 "Exposure controls/personal protection" for information on personal protection.

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

Must be stored in a cool and well-ventilated area, away from possible sources of ignition.

### Recommended storage material

Always store in containers of the same material as the original container.

### Storage conditions

< 50°C

### Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

## 7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

(R)-p-mentha-1,8-diene

Long term exposure limit (8 hours) (ppm): 25

Long term exposure limit (8 hours) (mg/m<sup>3</sup>): 140

Short term exposure limit (15 minutes) (ppm): 50

Short term exposure limit (15 minutes) (mg/m<sup>3</sup>): 280

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane

Long term exposure limit (8 hours) (mg/m<sup>3</sup>): 500

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclic, <2% aromatics

Long term exposure limit (8 hours) (mg/m<sup>3</sup>): 500

Isopentane

Long term exposure limit (8 hours) (ppm): 500

Long term exposure limit (8 hours) (mg/m<sup>3</sup>): 1500

Short term exposure limit (15 minutes) (ppm): 630

Short term exposure limit (15 minutes) (mg/m<sup>3</sup>): 1900

Regulation of the Ministry of Social Affairs and Health on concentrations of chemical substances found to be harmful (654/2020).

### ▼ DNEL

Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane

| Duration:   | Route of exposure: | DNEL:                  |
|---|--------------------|------------------------|
| Long term - Systemic effects - General population | Dermal             | 1377 mg/kg bw/day      |
| Long term - Systemic effects - Workers            | Dermal             | 13964 mg/kg bw/day     |
| Long term - Systemic effects - General population | Inhalation         | 1131 mg/m <sup>3</sup> |
| Long term - Systemic effects - Workers            | Inhalation         | 5306 mg/m <sup>3</sup> |
| Long term - Systemic effects - General population | Oral               | 1301 mg/kg bw/day      |

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane

| Duration:                              | Route of exposure: | DNEL:                  |
|--|--------------------|------------------------|
| Long term - Systemic effects - Workers | Dermal             | 773 mg/kg bw/day       |
| Long term - Systemic effects - Workers | Inhalation         | 2035 mg/m <sup>3</sup> |

Hydrocarbons, C6, isoalkanes, <5% n-hexane

| Duration:   | Route of exposure: | DNEL:                  |
|---|--------------------|------------------------|
| Long term - Systemic effects - General population | Dermal             | 1377 mg/kg bw/day      |
| Long term - Systemic effects - Workers            | Dermal             | 13964 mg/kg bw/day     |
| Long term - Systemic effects - General population | Inhalation         | 1131 mg/m <sup>3</sup> |
| Long term - Systemic effects - Workers            | Inhalation         | 5306 mg/m <sup>3</sup> |

|   |                           |                        |
|---|---------------------------|------------------------|
| Long term - Systemic effects - General population | Oral                      | 1301 mg/kg bw/day      |
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics  |                           |                        |
| <b>Duration:</b>                                  | <b>Route of exposure:</b> | <b>DNEL:</b>           |
| Long term - Systemic effects - General population | Dermal                    | 149 mg/kg bw/day       |
| Long term - Systemic effects - Workers            | Dermal                    | 300 mg/kg bw/day       |
| Long term - Systemic effects - General population | Inhalation                | 477 mg/m <sup>3</sup>  |
| Long term - Systemic effects - Workers            | Inhalation                | 2085 mg/m <sup>3</sup> |
| Long term - Systemic effects - General population | Oral                      | 149 mg/kg bw/day       |
| Isopentane  |                           |                        |
| <b>Duration:</b>                                  | <b>Route of exposure:</b> | <b>DNEL:</b>           |
| Long term - Systemic effects - General population | Dermal                    | 214 mg/kg bw/day       |
| Long term - Systemic effects - Workers            | Dermal                    | 432 mg/kg bw/day       |
| Long term - Systemic effects - General population | Inhalation                | 643 mg/m <sup>3</sup>  |
| Long term - Systemic effects - Workers            | Inhalation                | 3000 mg/m <sup>3</sup> |
| Long term - Systemic effects - General population | Oral                      | 214 mg/kg bw/day       |

## PNEC

No data available.

## 8.2. Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

### General recommendations

Smoking, drinking and consumption of food is not allowed in the work area.

### Exposure scenarios

There are no exposure scenarios implemented for this product.

### Exposure limits

Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

### Appropriate technical measures

Apply standard precautions during use of the product. Avoid inhalation of gas or dust.

### Hygiene measures

Take off contaminated clothing and wash it before reuse.

### Measures to avoid environmental exposure

Provide adequate general and local exhaust ventilation.

## Individual protection measures, such as personal protective equipment

### Generally

Use only CE marked protective equipment.

### Respiratory Equipment

| Type   | Class | Colour      | Standards      |
|--|-------|-------------|----------------|
| Respiratory protection is not needed in the event of adequate ventilation. |       |             |                |
| Combination filter AXP2  |       | Brown/White | EN14387, EN143 |



### Skin protection

| Recommended                       | Type/Category | Standards |
|-----------------------------------|---------------|-----------|
| No special when used as intended. | -             | -         |



### Hand protection

| Material | Glove thickness (mm) | Breakthrough time (min.) | Standards               |
|----------|----------------------|--------------------------|-------------------------|
| Nitrile  | 0.425                | > 480                    | EN374-2, EN374-3, EN388 |

## Eye protection

| Type                                     | Standards |
|--|-----------|
| Use safety glasses if exposure is likely | EN166     |



## SECTION 9: Physical and chemical properties

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

#### Physical state

Aerosol

#### Colour

Colourless

#### Odour / Odour threshold

Lemon like

#### pH

Not applicable - pH is not defined for non-aqueous systems

#### Density (g/cm<sup>3</sup>)

Not applicable - product is an aerosol

#### Relative density

Not applicable - product is an aerosol

#### Kinematic viscosity

Not applicable - product is an aerosol

#### Particle characteristics

Not applicable - product is an aerosol

#### Phase changes

##### Melting point/Freezing point (°C)

No data available

##### Softening point/range (°C)

Does not apply to aerosols.

##### Boiling point (°C)

No data available

##### Vapour pressure

No data available

##### Relative vapour density

Not applicable - product is an aerosol

##### Decomposition temperature (°C)

No data available

#### Data on fire and explosion hazards

##### Flash point (°C)

< 0

##### Flammability (°C)

The material is ignitable.

##### Auto-ignition temperature (°C)

Not applicable - product is an aerosol

##### Lower and upper explosion limit (% v/v)

No data available

#### Solubility

##### Solubility in water

No data available

##### n-octanol/water coefficient (LogK<sub>ow</sub>)

No data available

##### Solubility in fat (g/L)

No data available

### 9.2. Other information

#### Other physical and chemical parameters

No data available.

#### Oxidizing properties

No relevant or available data due to the nature of the product.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No data available.

### 10.2. Chemical stability

The product is stable under the conditions, noted in section 7 "Handling and storage".

### 10.3. Possibility of hazardous reactions

None known.

### 10.4. Conditions to avoid

Avoid static electricity.

Do not expose to any forms of heat (e.g. solar radiation). May lead to excess pressure.

### 10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

### 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

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

Product/substance      Orange, sweet, ext.

Species:                   Rat

Route of exposure:      Oral

Test:                       LD50

Result:                    > 5000 mg/kg

Product/substance      Orange, sweet, ext.

Species:                   Rabbit

Route of exposure:      Dermal

Test:                       LD50

Result:                    > 5000 mg/kg

Product/substance      (R)-p-mentha-1,8-diene

Route of exposure:      Oral

Test:                       LD50

Result:                    > 2000 mg/kg

Product/substance      Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics

Test method:              OECD 401

Species:                   Rat

Route of exposure:      Oral

Test:                       LD50

Result:                    > 5840 mg/kg

Product/substance      Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics

Test method:              OECD 403

Species:                   Rat

Route of exposure:      Inhalation

Test:                       LC50

Result:                    > 23,3 mg/l

Product/substance      Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics

Test method:              OECD 402

Species:                   Rat

Route of exposure:      Dermal

Test:                       LD50

Result:                    > 2920 mg/kg

Product/substance      Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane

Test method:              OECD 403

Species:                   Rat, male

Route of exposure:      Inhalation

Test:                       LC50 (vapour)

Result: 259,354 mg/m<sup>3</sup>

Product/substance: Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane  
 Test method: OECD 401  
 Species: Rat, male  
 Route of exposure: Oral  
 Test: LD50  
 Result: 16,750 mg/kg

Product/substance: Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane  
 Test method: OECD 402  
 Species: Rabbit, male  
 Route of exposure: Dermal  
 Test: LD50  
 Result: 3,350 mg/kg

Product/substance: Hydrocarbons, C6, isoalkanes, <5% n-hexane  
 Test method: OECD 403  
 Species: Rat  
 Route of exposure: Inhalation  
 Test: LC50  
 Result: > 20 mg/L

Product/substance: Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclic, <2% aromatics  
 Test method: OECD 401  
 Species: Rat  
 Route of exposure: Oral  
 Test: LD50  
 Result: > 15000 mg/kg

Product/substance: Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclic, <2% aromatics  
 Test method: OECD 402  
 Species: Rabbit  
 Route of exposure: Dermal  
 Test: LD50  
 Result: > 3160 mg/kg

Product/substance: Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclic, <2% aromatics  
 Test method: OECD 403  
 Species: Rat  
 Route of exposure: Inhalation  
 Test: LC50 (4 hours)  
 Result: > 6100 mg/m<sup>3</sup>

Product/substance: Isopentane  
 Species: Rat  
 Route of exposure: Oral  
 Test: LD50  
 Result: > 2000 mg/kg

Product/substance: Isopentane  
 Species: Rat  
 Route of exposure: Inhalation  
 Test: LC50 (4 hours)  
 Result: > 25,3 mg/L

Product/substance: Pin-2(3)-ene  
 Route of exposure: Oral  
 Test: LD50  
 Result: 500 mg/kg

#### **Skin corrosion/irritation**

Causes skin irritation.

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

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

#### **Respiratory sensitisation**

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

#### **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

May cause drowsiness or dizziness.

#### 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.

### 11.2. Information on other hazards

#### Long term effects

Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs.

Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

#### Endocrine disrupting properties

This mixture/product does not contain any substances known to have hormone-disrupting properties in relation to health.

#### Other information

(R)-p-mentha-1,8-diene has been classified by IARC as a group 3 carcinogen.

7-Methyl-3-methyleneocta-1,6-diene has been classified by IARC as a group 2B carcinogen.

## SECTION 12: Ecological information

### 12.1. Toxicity

Product/substance

Test method:

Species:

Duration:

Test:

Result:

Orange, sweet, ext.

OECD 202

Daphnia

48 hours

EC50

0.67 mg/L

Product/substance

Species:

Duration:

Test:

Result:

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics

Fish, Oncorhynchus mykiss

96 hours

LL50

13,4 mg/l

Product/substance

Species:

Duration:

Test:

Result:

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics

Algae, Pseudokirchneriella subcapitata

72 hours

NOELR

10 mg/l

Product/substance

Species:

Duration:

Test:

Result:

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics

Algae, Pseudokirchneriella subcapitata

72 hours

EL50

10 - 30 mg/l

Product/substance

Species:

Duration:

Test:

Result:

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics

Crustacean, Daphnia magna

48 hours

EL50

3 mg/l

Product/substance

Species:

Duration:

Test:

Result:

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics

Crustacean, Daphnia magna

21 days

NOEC

0,17 mg/l

Product/substance

Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane

|                   |   |
|-------------------|---|
| Test method:      | OECD 203  |
| Species:          | Fish, <i>Oncorhynchus mykiss</i>                                    |
| Duration:         | 96 hours  |
| Test:             | LL50  |
| Result:           | 12 mg/L   |
| Product/substance | Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane              |
| Test method:      | QSAR  |
| Species:          | Algae, <i>Pseudokirchneriella subcapitata</i>                       |
| Duration:         | 72 hours  |
| Test:             | EL50  |
| Result:           | 7,276 mg/L  |
| Product/substance | Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane              |
| Test method:      | QSAR  |
| Species:          | Daphnia, <i>Daphnia magna</i>                                       |
| Duration:         | 48 hours  |
| Test:             | EL50  |
| Result:           | 17,06 mg/L  |
| Product/substance | Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane              |
| Test method:      | QSAR  |
| Species:          | Algae, <i>Pseudokirchneriella subcapitata</i>                       |
| Duration:         | 72 hours  |
| Test:             | EL50  |
| Result:           | 7,276 mg/L  |
| Product/substance | Hydrocarbons, C6, isoalkanes, <5% n-hexane                          |
| Test method:      | QSAR  |
| Species:          | Algae, <i>Pseudokirchneriella subcapitata</i>                       |
| Duration:         | 72 hours  |
| Test:             | EL50  |
| Result:           | 13.56 mg/L  |
| Product/substance | Hydrocarbons, C6, isoalkanes, <5% n-hexane                          |
| Test method:      | QSAR  |
| Species:          | Algae, <i>Pseudokirchneriella subcapitata</i>                       |
| Duration:         | 72 hours  |
| Test:             | NOELR   |
| Result:           | 30 mg/L   |
| Product/substance | Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclic, <2% aromatics |
| Test method:      | OECD 201  |
| Species:          | Algae, <i>Pseudokirchneriella subcapitata</i>                       |
| Duration:         | 72 hours  |
| Test:             | EL50  |
| Result:           | > 1000 mg/L   |
| Product/substance | Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclic, <2% aromatics |
| Test method:      | OECD 201  |
| Species:          | Algae, <i>Pseudokirchneriella subcapitata</i>                       |
| Duration:         | 72 hours  |
| Test:             | NOELR   |
| Result:           | 1000 mg/L   |
| Product/substance | Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclic, <2% aromatics |
| Test method:      | OECD 203  |
| Species:          | Fish, <i>Oncorhynchus mykiss</i>                                    |
| Duration:         | 96 hours  |
| Test:             | LL50  |
| Result:           | > 1000 mg/L   |
| Product/substance | Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclic, <2% aromatics |
| Test method:      | OECD 203  |
| Species:          | Fish, <i>Oncorhynchus mykiss</i>                                    |
| Duration:         | 96 hours  |
| Test:             | LL50  |
| Result:           | 1000 mg/L   |

|   |   |
|---|---|
| Product/substance                                     | Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclic, <2% aromatics |
| Test method:  | QSAR  |
| Species:  | Fish, <i>Oncorhynchus mykiss</i>                                    |
| Duration:   | 28 days   |
| Test:   | NOELR   |
| Result:   | 0,101 mg/L  |
| Product/substance                                     | Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclic, <2% aromatics |
| Test method:  | QSAR  |
| Species:  | Daphnia, <i>Daphnia magna</i>                                       |
| Duration:   | 21 days   |
| Test:   | NOELR   |
| Result:   | 0,176 mg/L  |
| Product/substance                                     | Isopentane  |
| Species:  | Algae   |
| Duration:   | 96 hours  |
| Test:   | EC50  |
| Result:   | 5,2 mg/L  |
| Product/substance                                     | Isopentane  |
| Species:  | Fish  |
| Duration:   | 96 hours  |
| Test:   | LC50  |
| Result:   | 12,8 mg/L   |
| Product/substance                                     | Isopentane  |
| Species:  | Fish  |
| Duration:   | 96 hours  |
| Test:   | LL50  |
| Result:   | 34,05 mg/L  |
| Very toxic to aquatic life with long lasting effects. |   |
| <b>12.2. Persistence and degradability</b>            |   |
| Product/substance                                     | Orange, sweet, ext.   |
| Conclusion:   | Readily biodegradable   |
| Product/substance                                     | Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics                    |
| Duration:   | 28 days   |
| Result:   | 98 %  |
| Conclusion:   | Readily biodegradable   |
| Product/substance                                     | Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane              |
| Duration:   | 28 days   |
| Result:   | 81 %  |
| Conclusion:   | Readily biodegradable   |
| Test:   | OECD 301 F  |
| Product/substance                                     | Hydrocarbons, C6, isoalkanes, <5% n-hexane                          |
| Duration:   | 28 days   |
| Result:   | 81 %  |
| Conclusion:   | -   |
| Test:   | OECD 301 F  |
| Product/substance                                     | Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclic, <2% aromatics |
| Conclusion:   | Readily biodegradable   |
| Test:   | OECD 301 B  |
| <b>12.3. Bioaccumulative potential</b>                |   |
| Product/substance                                     | Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics                    |
| Conclusion:   | Potential for bioaccumulation                                       |
| Product/substance                                     | Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane              |
| BCF:  | 38.5 - 552  |
| LogKow:   | 4 - 5.1   |
| Conclusion:   | -   |
| <b>12.4. Mobility in soil</b>                         |   |

No data available.

#### 12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

#### 12.6. Endocrine disrupting properties

This mixture/product does not contain any substances considered to have endocrine-disrupting properties in relation to the environment.

#### 12.7. Other adverse effects

This product contains substances that are toxic to the environment. May result in adverse effects to aquatic organisms.

This product contains substances, which may cause adverse long-term effects to the aquatic environment.

### SECTION 13: Disposal considerations

#### 13.1. ▼Waste treatment methods

Product is covered by the regulations on hazardous waste.

HP 3 - Flammable

HP 4 - Irritant (skin irritation and eye damage)

HP 5 - Specific Target Organ Toxicity (STOT)/Aspiration Toxicity

HP 13 – Sensitising

HP 14 – Ecotoxic

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

Commission Regulation (EU) No 1357/2014 of 18 December 2014 on waste.

#### EWC code

Not applicable.

#### Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

### SECTION 14: Transport information

|      | 14.1<br>UN / ID | 14.2<br>UN proper shipping name | 14.3<br>Hazard class(es)  | 14.4<br>PG* | 14.5<br>Env** | Other<br>information:   |
|------|-----------------|---------------------------------|---|-------------|---------------|---|
| ADR  | UN1950          | AEROSOLS                        | Transport hazard class: 2<br>Label: 2.1<br>Classification code: 5F<br> | -           | Yes           | Limited quantities: 1 L<br>Tunnel restriction code: (D)<br>See below for additional information |
| IMDG | UN1950          | AEROSOLS                        | Transport hazard class: 2<br>Label: 2.1<br>Classification code: 5F<br> | -           | Yes           | Limited quantities: 1 L<br>EmS: F-D S-U<br>See below for additional information                 |
| IATA | UN1950          | AEROSOLS                        | Transport hazard class: 2<br>Label: 2.1<br>Classification code: 5F<br> | -           | Yes           | See below for additional information  |

| 14.1<br>UN / ID | 14.2<br>UN proper shipping name | 14.3<br>Hazard class(es)  | 14.4<br>PG* | 14.5<br>Env** | Other<br>information |
|-----------------|---------------------------------|---|-------------|---------------|----------------------|
|                 |                                 |  |             |               |                      |

\* Packing group

\*\* Environmental hazards

#### Additional information

This product is within scope of the regulations of transport of dangerous goods.

ADR / See Table A, section 3.2.1 for any information on special provisions, requirements, or warnings in connection with transport. See section 5.4.3, for instructions in writing regarding mitigation of damages in relation to incidents or accidents during transport.

IMDG / See section 3.2.1, for any information on special provisions, requirements, or warnings in connection with transport.

IATA / See Table 4.2 for any information on special provisions, requirements, or warnings in connection with transport.

#### 14.6. Special precautions for user

Not applicable.

#### 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

##### Restrictions for application

People under the age of 18 shall not be exposed to this product.

##### Demands for specific education

No specific requirements.

##### SEVESO - Categories / dangerous substances

P3a - FLAMMABLE AEROSOLS, Qualifying quantity (lower-tier): 150 tonnes (net) / (upper-tier): 500 tonnes (net)

E1 - ENVIRONMENTAL HAZARDS, Qualifying quantity (lower-tier): 100 tonnes / (upper-tier): 200 tonnes

##### REACH, Annex XVII

Orange, sweet, ext. is subject to REACH restrictions (entry 40).

(R)-p-mentha-1,8-diene is subject to REACH restrictions (entry 40).

Hydrocarbons, C6, isoalkanes, <5% n-hexane &// Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane &// Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane &// Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics is subject to REACH restrictions (entry 40).

Isopentane is subject to REACH restrictions (entry 40).

7-Methyl-3-methyleneocta-1,6-diene is subject to REACH restrictions (entry 40).

Pin-2(3)-ene is subject to REACH restrictions (entry 40).

##### Labelling of contents according to Detergents Regulation (EC) No 648/2004

≥ 30%

· Aliphatic hydrocarbons

· Perfumes (CITRUS AURANTIUM DULCIS FRUIT EXTRACT, LIMONENE, LINALOOL, PINENE)

< 5%

· Aromatic hydrocarbons

##### Additional information

Not applicable.

##### Sources

25.4.2012 / 188 Ordinance of the Ministry of Social Affairs and Health on a list of examples of work that is dangerous for young workers.

Law for compliance of aerosols 13.11.2020/794

Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents.

Government Decree 686/2015 amending the Government Decree on Safety Requirements for the Industrial Handling and Storage of Dangerous Chemicals.

Commission Regulation (EU) No 1357/2014 of 18 December 2014 on waste.

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (CLP).

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

#### 15.2. Chemical safety assessment

No

## SECTION 16: Other information

### ▼ Full text of H-phrases as mentioned in section 3

EUH066, Repeated exposure may cause skin dryness or cracking.  
H224, Extremely flammable liquid and vapour.  
H225, Highly flammable liquid and vapour.  
H226, Flammable liquid and vapour.  
H302, Harmful if swallowed.  
H304, May be fatal if swallowed and enters airways.  
H315, Causes skin irritation.  
H317, May cause an allergic skin reaction.  
H319, Causes serious eye irritation.  
H336, May cause drowsiness or dizziness.  
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.

### Abbreviations and acronyms

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway  
ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road  
ATE = Acute Toxicity Estimate  
BCF = Bioconcentration Factor  
CAS = Chemical Abstracts Service  
CE = Conformité Européenne (European conformity)  
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]  
CSA = Chemical Safety Assessment  
CSR = Chemical Safety Report  
DMEL = Derived Minimal Effect Level  
DNEL = Derived No Effect Level  
EINECS = European Inventory of Existing Commercial chemical Substances  
ES = Exposure Scenario  
EUH statement = CLP-specific Hazard statement  
EuPCS = European Product Categorisation System  
EWC = European Waste Catalogue  
GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
GWP = Global warming potential  
IARC = International Agency for Research on Cancer (IARC)  
IATA = International Air Transport Association  
IBC = Intermediate Bulk Container  
IMDG = International Maritime Dangerous Goods  
LogPow = logarithm of the octanol/water partition coefficient  
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)  
OECD = Organisation for Economic Co-operation and Development  
PBT = Persistent, Bioaccumulative and Toxic  
PNEC = Predicted No Effect Concentration  
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail  
RRN = REACH Registration Number  
SCL = A specific concentration limit  
SVHC = Substances of Very High Concern  
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure  
STOT-SE = Specific Target Organ Toxicity - Single Exposure  
TWA = Time weighted average  
UN = United Nations  
UVBC = Unknown or variable composition, complex reaction products or of biological materials  
VOC = Volatile Organic Compound  
vPvB = Very Persistent and Very Bioaccumulative

### Additional information

The classification of the mixture in regard of health hazards is in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP). The classification of the substance/mixture in regard of environmental hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP). The classification of the mixture in regard to physical hazards has been based on the flammability classification procedure given by Regulation (EC) No. 1272/2008 (CLP).

The safety data sheet is validated by

Taerosol Oy

**Other**

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

Country-language: FI-en