

## SAFETY DATA SHEET

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

#### 1.1 Product identifier

Trade name/designation	: Organic Orange essential oil
INCI	: Citrus Aurantium Dulcis Peel Oil Expressed
Article No (user)	: MP10062
CAS No	: 8028-48-6
EC No	: 232-433-8
FEMA No	: 2825
CoE No:	: 143n
UFI Number	: XAC0-40NW-C00F-GD4E

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

Relevant identified uses	: Perfumes, scented products (PC28).
Uses advised against	: No data available.

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

Supplier	: <b>Name:</b> Laboratoire ALTHO <b>Street:</b> Lieu-dit Encapin <b>Postal code/City:</b> 32120 Monfort <b>Country:</b> France : <b>Telephone:</b> +33(0)5 62 05 54 35 <b>Telefax:</b> +33(0)5 62 05 04 67 <b>Website:</b> <a href="http://www.laboratoirealtho.fr">www.laboratoirealtho.fr</a> <b>E-mail:</b> <a href="mailto:Contact@laboratoirealtho.fr">Contact@laboratoirealtho.fr</a>
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#### 1.4 Emergency Telephone Number

##### European Union:

In England and Wales: dial 111 ( NHS 111), In Scotland: dial 111 (NHS 24), In Northern Ireland: Contact your local GP or pharmacist during normal hours. During GP Out-of-Hours ([www.gpoutofhours.hscni.net/](http://www.gpoutofhours.hscni.net/)): Belfast HSC Trust, (North & West) 028 9074 4447, (South & East) 028 9079 6220 South Eastern HSC Trust, (North Down & Ards) 028 9182 2344, (Lisburn & Downpatrick) 028 9260 2204, Dalriada Urgent Care (Northern Trust area) 028 2566 3500, Southern HSC Trust 028 3839 9201, Western Urgent Care 028 7186 5195

### 2 Hazards identification

#### 2.1 Classification of the substance or mixture

Classification according to the regulation (EC) n°1272/2008 (CLP) and its amendments

##### Hazards identification:

H226 Flam. Liq. 3 Flammable liquid and vapour.

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H304	Asp. Tox. 1	May be fatal if swallowed and enters airways.
H315	Skin Irrit. 2	Causes skin irritation.
H317	Skin Sens. 1B	May cause an allergic skin reaction.
H400	Aquatic Acute 1	Very toxic to aquatic life.
H411	Aquatic Chronic 2	Toxic to aquatic life with long lasting effects.

### 2.2 Label elements

Label elements according to the regulation (EC) n°1272/2008 (CLP) and its amendments

#### Labelling

##### Hazard pictograms



##### Signal word

Danger

##### Hazard Statements

H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.

##### Precautionary Statements - Prevention

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233	Keep container tightly closed.
P242	Use non-sparking tools.
P264	Wash your hands after handling
P280	Wear eye protection

##### Precautionary Statements - Response

P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor
P331	Do NOT induce vomiting.
P332+P313	If skin irritation occurs: Get medical advice/attention.

##### Precautionary Statements - Storage

P403+P235	Store in a well-ventilated place. Keep cool.
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##### Precautionary Statements - Disposal

P501	Dispose of contents/container according to national regulations.
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##### Contains

(R)-p-mentha-1,8-diene, 7-methyl-3-methylenoocta-1,6-diene, Orange, sweet, ext.

### 2.3 Other hazards

According to Regulation (EU) 1907/2006, no substances are assessed as PBT or vPvB.

According to Regulation (EU) 2017/2100 or Regulation (EU) 2018/605, no substances are known to have endocrine disrupting properties.

## 3 Composition/information on ingredients

### 3.2 Mixtures

In accordance with the product knowledge, no nanomaterials have been identified.

The mixture does not contain any substances classified as Substances of Very High Concern (SVHC) by the European Chemicals Agency (ECHA) under article 57 of REACH: <http://echa.europa.eu/fr/candidate-list-table>.

## Organic Orange essential oil – MP10062

Substance	Concentration (%)	Specific concentration limits	Classification
<b>Orange, sweet, ext.</b>			
CAS N° 8028-48-6 EC N° 232-433-8 IDX N°	C ≤ 100.0%		H226 Flam. Liq. 3 H304 Asp. Tox. 1 H315 Skin Irrit. 2 H317 Skin Sens. 1 H411 Aquatic Chronic 2
<b>(R)-p-mentha-1,8-diene</b>			
CAS N° 5989-27-5 EC N° 227-813-5 IDX N° 601-096-00-2	90.0% ≤ C ≤ 96.0%	M=1	H226 Flam. Liq. 3 H304 Asp. Tox. 1 H315 Skin Irrit. 2 H317 Skin Sens. 1B H400 Aquatic Acute 1 H412 Aquatic Chronic 3
<b>7-methyl-3-methylocta-1,6-diene</b>			
CAS N° 123-35-3 EC N° 204-622-5 IDX N°	C ≤ 2.0%	M=1 M(Chronic)=1	H226 Flam. Liq. 3 H304 Asp. Tox. 1 H315 Skin Irrit. 2 H317 Skin Sens. 1B H319 Eye Irrit. 2 H400 Aquatic Acute 1 H410 Aquatic Chronic 1
<b>pin-2(3)-ene</b>			
CAS N° 80-56-8 EC N° 201-291-9 IDX N°	C ≤ 0.57%	M=1 M(Chronic)=1	H226 Flam. Liq. 3 H302 Acute Tox. 4 ORAL H304 Asp. Tox. 1 H315 Skin Irrit. 2 H317 Skin Sens. 1 H400 Aquatic Acute 1 H410 Aquatic Chronic 1
<b>linalool</b>			
CAS N° 78-70-6 EC N° 201-134-4 IDX N° 603-235-00-2	C ≤ 0.38%		H317 Skin Sens. 1B
<b>octanal</b>			
CAS N° 124-13-0 EC N° 204-683-8 IDX N°	C ≤ 0.26%		H226 Flam. Liq. 3 H315 Skin Irrit. 2 H319 Eye Irrit. 2 H411 Aquatic Chronic 2
<b>thuj-4(10)-ene</b>			
CAS N° 3387-41-5 EC N° 222-212-4 IDX N°	C ≤ 0.23%		H302 Acute Tox. 4 ORAL
<b>decanal</b>			
CAS N° 112-31-2 EC N° 203-957-4 IDX N°	C ≤ 0.22%		H319 Eye Irrit. 2 H412 Aquatic Chronic 3

### Remark

Text phrases and H- EUH-: see section 16.

## 4.1 Description of first aid measures

### General information:

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Do not leave affected person unattended.

Remove victim out of the danger area.

Keep affected person warm, still and covered.

Remove the affected person from the danger zone and lay down.

### Following inhalation:

Remove person to fresh air and keep comfortable for breathing.

No resuscitation mouth-to-mouth or mouth-to-nose. Ambu use a mask or respirator.

If breathing is irregular or stopped, administer artificial respiration.

### Following skin contact:

Remove contaminated, saturated clothing immediately.

After contact with skin, wash immediately with plenty of water and soap.

Take off immediately all contaminated clothing.

In case of skin irritation, consult a physician.

In case of skin reactions, consult a physician.

### Following eye contact:

In case of eye irritation consult an ophthalmologist.

Rinse immediately carefully and thoroughly with eye-bath or water.

Remove contact lenses, if present and easy to do. Continue rinsing.

Protect unharmed eye.

### Following ingestion:

Never give anything by mouth to an unconscious person or a person with cramps.

Do NOT induce vomiting.

### Self-protection of the first aider:

First aider: Pay attention to self-protection!

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

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.

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

### Notes for the doctor:

Treat symptomatically.

# 5 Firefighting measures

## 5.1 Extinguishing media

### Suitable extinguishing media:

Foam.

Extinguishing powder.

Carbon dioxide (CO<sub>2</sub>).

Sand.

### Unsuitable extinguishing media:

Strong water jet.

## 5.2 Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in case of fire.

## 5.3 Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

### Additional information

Do not inhale vapors and fumes.

Co-ordinate fire-fighting measures to the fire surroundings.

Move undamaged containers from immediate hazard area if it can be done safely.  
Use caution when applying carbon dioxide in confined spaces. carbon dioxide can displace oxygen.  
Use water spray jet to protect personnel and to cool endangered containers.  
Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

## section 6 Accidental release measures

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

Use personal protection equipment.  
Remove persons to safety.  
Provide adequate ventilation.  
Use appropriate respiratory protection.

### 6.2 Environmental precautions

Ensure that waste is collected and contained.  
In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.  
Avoid release to the environment.  
Cover drains.  
Ensure all waste water is collected and treated via a waste water treatment plant.  
Do not allow to enter into soil/subsoil.  
Do not allow to enter into surface water or drains.  
Retain contaminated washing water and dispose it.  
Contain leaks or spills within cabinets with removable trays.

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

Treat the recovered material as prescribed in the section on waste disposal.  
Collect in closed and suitable containers for disposal.  
Clean contaminated objects and areas thoroughly observing environmental regulations.  
Ventilate affected area.  
Collect spillage.  
Absorb with liquid-binding material ( e.g. sand, diatomaceous earth, acid- or universal binding agents).  
Wipe up with absorbent material (eg. cloth, fleece).

### 6.4 Reference to other sections

Safe handling: see section 7.  
Disposal: see section 13.  
Personal protection equipment: see section 8.

#### Additional information

Not available

## section 7 Handling and Storage

### 7.1 Precautions for safe handling

#### PROTECTIVE MEASURES:

Avoid contact with skin, eyes and clothes.  
Remove fume condensates periodically from extraction hoods, leads and other surfaces (wear personal protective clothing!) as there is a risk of catching fire.  
Use only in well-ventilated areas.  
If local exhaust ventilation is not possible or not enough, the entire work area must be ventilated by technical means.  
Keep away from sources of heat (e.g. hot surfaces), sparks and open flames.  
Provide earthing of containers, equipment, pumps and ventilation facilities.  
Take precautionary measures against static discharges.  
Provide adequate ventilation as well as local exhaustion at critical locations.  
Sewers and ducts must be protected against the entry of the product.  
Wear personal protective clothing (see section 8).

Do not put any product-impregnated cleaning rags into your trouser pockets.  
 Provide for retaining containers, eg. floor pan without outflow.  
 Vapours/aerosols should be exhausted directly at the point of origin.  
 Avoid breathing gas/fumes/vapour/spray.

**Advices on general occupational hygiene:**

Wash hands before breaks and after work.  
 Remove contaminated, saturated clothing immediately.  
 Work in well ventilated zones or use proper respiratory protection.  
 Wash contaminated clothing before reuse.  
 Street clothing should be stored separately from work clothing.

**7.2 Conditions for safe storage, including any incompatibilities**

Keep container tightly closed in a dry, cool, and well-ventilated place.  
 Keep container in upright position in order to prevent leakage.

**Requirements for storage rooms and vessels:**

Ensure adequate ventilation of the storage area.  
 Ground/bond container and receiving equipment.  
 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 Store locked up.  
 Use isolated drainage to prevent discharge to soil.

**Advice on joint storage:**

Keep away from food, drink and animal feedingstuffs.  
 Keep away from clothing and other combustible materials.  
 Keep only in the original container in a cool, well-ventilated place, away from highly flammable substances.

**Further information on storage conditions:**

Use explosion-proof electrical/ventilating/lighting/.../equipment.  
 Use only non-sparking tools.

**7.3 Specific end uses**

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

**8 Exposure controls/personal protection**

**8.1 Control parameters**

**Occupational exposure limits:**

Not available

**Biological limit values:**

Not available

**Exposure limits at intended use:**

Not available

**DNEL-/PNEC-values:**

- Orange, sweet, ext.:

**DNEL worker:**

Type	short-term		long-term	
	systemic	Local	systemic	Local
Oral				
Dermal		185.8 µg/kg bw/day	8.86 mg/kg bw/day	
Inhalation				

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## DNEL consumer:

Type	short-term		long-term	
	systemic	Local	systemic	Local
Oral			4.44 mg/kg bw/day	
Dermal		92.9 µg/kg bw/day	4.44 mg/kg bw/day	
Inhalation				

## PNEC:

PNEC aquatic, freshwater	5.4 µg/l
PNEC aquatic, marine water	0.54 µg/l
PNEC aquatic, intermittent release	5.77 µg/l
PNEC sediment, freshwater	1.3 mg/kg dw
PNEC sediment, marine water	0.13 mg/kg dw
PNEC soil	0.261 mg/kg dw
PNEC sewage treatment plant (STP)	2.1 mg/l
PNEC air	
PNEC secondary poisoning	

## Remark:

Not available

## 8.2 Exposure controls

### Appropriate engineering controls:

Technical measures and the application of suitable work processes have priority over personal protection equipment. Provide adequate ventilation as well as local exhaust at critical locations.

### Individual protection measures, such as personal protective equipment:



#### Eye/face protection

: **Suitable eye protection:**  
No data available.

#### Skin protection

: **Hand protection:**  
**Suitable gloves type:**  
Wear protective gloves.  
**Suitable material:**  
Butyl caoutchouc (butyl rubber).  
NBR (nitrile rubber).  
**Additional hand protection measures:**  
Do not wear gloves near machines and rotating tools.  
Use gloves only once.  
**Remark:**  
When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits.  
The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.  
For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.  
Breakthrough times and swelling properties of the material must be taken into consideration.  
**Body protection:**  
**Suitable protective clothing:**  
Lab coat.

#### Respiratory protection

: **Respiratory protection necessary at:**  
If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

**Suitable respiratory protection apparatus:**

Wear respiratory protection.

**Remark:**

The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used.

Observe the wear time limits as specified by the manufacturer.

Use only respiratory protection equipment with CE-symbol including four digit test number.

**Environmental exposure controls:**

Not available

**Consumer exposure controls:**

Not available

**Additional information**

Not available

## section 9 Physical and chemical Properties

### 9.1 Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Pale yellow to orange
Odour	: Sweet, leaked, zesty...
pH	: Not available
Melting point/freezing point	: Not available
Initial boiling point and boiling range	: Not available
Flash point	: + 43°C
Flammability	: Not available
Upper/lower flammability or explosive limits	: Not available
Vapour pressure	: Not available
Vapour density	: Not available
Relative density	: 0.835 – 0.860 (20 ° C)
Solubility(ies)	: Soluble
Partition coefficient n-octanol/water (log value)	: Not available
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
Kinematic viscosity	: < 7mm <sup>2</sup> /s (2°C)
Solubility in other Solvents	: Not available
Particle characteristics	: Not available

### 9.2 Other safety information

**Information concerning to the classes of physical hazards**

Not available

**Other security characteristics**

Not available

## section 10 Stability and Reactivity

### 10.1 Reactivity



This product is stable to shock, vibration and pressure under normal conditions of use. Avoid prolonged contact with air, light, heat which could induce degradation and oxidation of the product.

## 10.2 Chemical stability

The product is stable when stored at normal ambient temperatures.

## 10.3 Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

## 10.4 Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other sources of ignition.

## 10.5 Incompatible materials

P.V.C.

## 10.6 Hazardous decomposition products

Does not decompose when used for intended uses.

### Additional information

Not available

# 11 Toxicological information

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

### Acute oral toxicity:

The product is not classified.

### Data for mixture:

Not available

### Substances:

#### • Orange, sweet, ext. (CAS: 8028-48-6):

Species : Rat  
Sex : Male  
Guideline : OECD Guideline 401 (Acute Oral Toxicity)

Subendpoint	Operator	Value	Unit
LD50:	>	5000	mg/kg bw

Conclusion : The substance is considered to be practically non toxic by oral route.

### Acute dermal toxicity:

The product is not classified.

### Data for mixture:

Not available

### Substances:

#### • Orange, sweet, ext. (CAS: 8028-48-6):

Species : Rabbit  
Sex : Female  
Guideline : OECD Guideline 402 (Acute Dermal Toxicity)  
Exposure duration/value : 24  
Exposure duration/unit : h

Subendpoint	Operator	Value	Unit
LD50:	>	5000	mg/kg bw

Conclusion : The substance is considered to be practically non toxic by the dermal route.

### Acute inhalation toxicity:

The product is not classified.

### Data for mixture:

Not available

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**Substances:**

Not available

**Skin corrosion/irritation:**

The product is not classified.

**Data for mixture:**

Not available

**Substances:**

Not available

**Serious eye damage/irritation:**

The product is not classified.

**Data for mixture:**

Not available

**Substances:**

Not available

**Skin sensitisation:**

The product is classified Skin Sens. 1B according to the referenced regulation.

May cause an allergic skin reaction.

**Data for mixture:**

Not available

**Substances:**

Not available

**Specific target organ toxicity (repeated exposure):**

The product is not classified.

**Data for mixture:**

Not available

**Substances:**

Not available

**Specific target organ toxicity (single exposure):**

The product is not classified.

**Data for mixture:**

Not available

**Substances:**

Not available

**Carcinogenicity:**

The product is not classified.

**Data for mixture:**

Not available

**Substances:**

Not available

**Reproductive toxicity:**

The product is not classified.

**Data for mixture:**

Not available

**Substances:**

Not available

**Germ cell mutagenicity:**

The product is not classified.

**Data for mixture:**

Not available

**Substances:**

Not available

**Sensitisation to the respiratory tract:**

The product is not classified.

**Data for mixture:**

Not available

**Substances:**

Not available

**Additional information:**

Not available

## 11.2 Information on other hazards

**Endocrine disrupting properties:**

According to Regulation (EU) 2017/2100 or Regulation (EU) 2018/605, no substances are known to have endocrine disrupting properties.

# 12 Ecological information

## 12.1 Toxicity

Very toxic to aquatic life.

Toxic to aquatic life with long lasting effects.

**Data for mixture:**

Not available

**Substances:**

**Acute aquatic toxicity:**

• **Orange, sweet, ext. (CAS: 8028-48-6):**

Animals/category : Fish  
 Species : Brachydanio rerio (Zebra-fish)  
 Test duration : 96  
 Unit : h  
 Guideline : OECD 203

Subendpoint	Value	Unit
EL50	5,65	mg/L

Remarks : Not available  
 Animals/category : Crustacean  
 Species : Daphnia magna (Daphnia)  
 Test duration : 48  
 Unit : h  
 Guideline : OECD 202

Subendpoint	Value	Unit
EL50	1,1	mg/L

Remarks : Not available  
 Animals/category : alga or cyanobacteria  
 Species : Desmodesmus subspicatus.  
 Test duration : 72  
 Unit : h  
 Guideline : OECD 201

Subendpoint	Value	Unit
ELr50	150	mg/L
NOECr	50	mg/L

Remarks : Not available

## 12.2 Persistence and degradability

The product has not been tested.

**Data for mixture:**

Not available

**Substances:**

Not available

### 12.3 Bioaccumulative potential

The product has not been tested.

**Data for mixture:**

Not available

**Substances:**

Not available

### 12.4 Mobility in soil

The product has not been tested.

**Data for mixture:**

Not available

**Substances:**

Not available

### 12.5 Results of PBT and vPvB assessment

According to Regulation (EU) 1907/2006, no substances are assessed as PBT or vPvB.

### 12.6 Endocrine disrupting properties

According to Regulation (EU) 2017/2100 or Regulation (EU) 2018/605, no substances are known to have endocrine disrupting properties.

### 12.7 Other adverse effects

Not available

#### Additional ecotoxicological information

See product label for additional instructions regarding environmental precautions when using the product.

## 13 Disposal considerations

### 13.1 Waste treatment methods

**Product/Packaging disposal:**

**Waste codes/waste designations according to EWC/AVV:**

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

**Waste treatment options:**

**Appropriate disposal/Product:**

Waste requiring special supervision.

Dispose of waste according to applicable legislation.

Delivery to an approved waste disposal company.

**Appropriate disposal/Package:**

Non-contaminated packages must be recycled or disposed of.

Contaminated packing must be completely emptied and can be reused after proper cleaning.

Packing which cannot be properly cleaned must be disposed of.

Handle contaminated packages in the same way as the substance itself.

Dispose of waste according to applicable legislation.

**Remark:**

For recycling, contact manufacturer.

Collect the waste separately.

Consult the appropriate authorities about waste disposal.

Do not mix with other wastes.





The waste is to be kept separate from other types of waste until its disposal.

Concerning the waste it has to be checked, whether a transport authorisation is required.

**Additional information**

Not available

## 14 Transport information

	Land transport (ADR/RID):	Inland waterway transport (ADN):	Sea transport (IMDG):	Air transport (ICAO-TI/IATA-DGR):
<b>14.1</b> UN number:	1197	1197	1197	1197
<b>14.2</b> UN proper shipping name:	EXTRACTS, FLAVOURING, LIQUID	EXTRACTS, FLAVOURING, LIQUID	EXTRACTS, FLAVOURING, LIQUID	EXTRACTS, FLAVOURING, LIQUID
<b>14.3</b> Transport hazard class(es):				
Class or Division:	3	3	3	3
Hazard label(s):				
<b>14.4</b> Packing group:	III	III	III	III

### 14.5 Environmental hazards

Not available

### 14.6 Special precautions for user

Rules to be observed for loading packages for road transport:- Refer to Table 7.5.2 of ADR on mixed loading prohibitions.- When loading packages, smoking is prohibited in the vicinity of vehicles.- Check that the packages are properly secured in the vehicle.- Check that the driver has the required safety instructions and equipment if the thresholds established by ADR are exceeded.

### 14.7 Bulk shipping according to IMO instruments

Not available

#### Additional information

#### Land transport (ADR/RID):

Excepted Quantities (EQ): 5L.

Limited Quantity (LQ): E1.

Transport category: 3.

Tunnel restriction code: D/E.

Customs tariff code: 3301 29 41 00.

## 15 Regulatory information

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

This SDS has been established in accordance with REACH regulation, including its amendments: REACH Regulation (EC) No 1907/2006.

This SDS has been established in accordance with CLP regulation, including its amendments: CLP Regulation EC No. 1272/2008.

#### EU legislation:

#### Other regulations (EU):

**Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances [Seveso-III-Directive]:**

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"Flammable liquids of category 2 or category 3 excluding heading 4330. The total quantity likely to be present in the installations, including underground cavities, being:

1. greater than or equal to 1,000 t .....A
2. Greater than or equal to 100 t but less than 1,000 t .....E
3. Greater than or equal to 50 t but less than 100 t.....DC

Low threshold quantity within the meaning of article R. 511-10: 5,000 t High threshold quantity within the meaning of article R. 511-10: 50,000 t".

"Hazardous to the aquatic environment, category acute 1 or chronic 1. The total quantity likely to be present in the facility being:

1. greater than or equal to 100 t.....A
2. Greater than or equal to 20 t but less than 100 t.....DC

Low threshold quantity as defined in article R. 511-10: 100 t High threshold quantity as defined in article R. 511-10: 200 t".

"Hazardous to the aquatic environment, chronic category 2. The total quantity likely to be present in the installation being:

1. greater than or equal to 200 t.....A
2. Greater than or equal to 100 t but less than 200 t .....DC

Low threshold quantity as defined in article R. 511-10: 200 t High threshold quantity as defined in article R. 511-10: 500 t".

## EU legislation:

**CLP: Harmonised classification and labelling of hazardous substances (Annex VI, table 3.1)\_ATP 17:**

Substance	CAS	EC
(R)-p-mentha-1,8-diene	5989-27-5	227-813-5

**Directive n°648/2004 (Allergenic fragrance ingredients N°1223/2009):**

Substance	CAS	EC
(R)-p-mentha-1,8-diene	5989-27-5	227-813-5
linalool	78-70-6	201-134-4

**REACH: Annex XVII (Restrictions):**

Substance	CAS	EC
(R)-p-mentha-1,8-diene	5989-27-5	227-813-5

## National regulations:

**California proposition 65:**

Substance	CAS	EC
7-methyl-3-methyleneocta-1,6-diene	123-35-3	204-622-5

**U.S. - NY - RTK:**

Substance	CAS	EC
pin-2(3)-ene	80-56-8	201-291-9

## 15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

### Additional information

Not available

## 16 Other information

### Indication of changes

Updated according to ATP18 of CLP.  
Substitution of UN 1169 by UN1197.  
Addition of the UFI number.

### Abbreviations and acronyms

## Organic Orange essential oil – MP10062

CAS: Chemical Abstract Service Number.

IATA: International Air Transport Association.

IMDG: International Maritime Dangerous Goods Code.

DPD Dangerous Preparation Directive.

UN number: United Nations number.

No EC: European Commission Number.

ADN/ADNR: Regulations concerning the transport of dangerous substances in barges on the waterways.

ADR/RID: European Agreement concerning the International Carriage of Dangerous Goods by Road/Regulations concerning the international carriage of dangerous goods by rail.

CLP: Classification, labeling and packaging.

VPvB: very persistent and very bioaccumulative substances.

### Key literature references and sources for data

No data available.

### Classification for mixtures and used evaluation method according to regulation (EC) 1272/2008 [CLP]

Complies with ATP 18, Regulation (EU) n°2022/692.

Classification of the mixture is in accordance with the evaluation method described in Regulation (EC) No 1272/2008.

### Relevant R-, H- and EUH-phrases (Number and full text)

H226	Flam. Liq. 3	Flammable liquid and vapour.
H302	Acute Tox. 4 ORAL	Harmful if swallowed
H304	Asp. Tox. 1	May be fatal if swallowed and enters airways.
H315	Skin Irrit. 2	Causes skin irritation.
H317	Skin Sens. 1B	May cause an allergic skin reaction.
H319	Eye Irrit. 2	Causes serious eye irritation
H400	Aquatic Acute 1	Very toxic to aquatic life.
H410	Aquatic Chronic 1	Very toxic to aquatic life with long lasting effects.
H411	Aquatic Chronic 2	Toxic to aquatic life with long lasting effects.
H412	Aquatic Chronic 3	Harmful to aquatic life with long lasting effects

### Training advice

Refer to Sections 4, 5, 6, 7 and 8 of this safety data sheet.

### Additional information

Creation date: 20/02/2023

Version date: 20/02/2023

Printing date: 20/02/2023

The information given in this Safety Data Sheet is based on our present knowledge and on European and national regulations. This Safety Data Sheet describes safety requirements relative to identified uses, it doesn't guarantee all the product properties particularly in the case of non identified uses. The product mustn't be used for any uses other than those identified under heading 1. Since the user's working conditions are not known by us, it is the responsibility of the user to take all necessary measures to comply with legal requirements for specific uses and avoid negative health effects.