



# CEDAR LEAF - THUYA OCCIDENTALIS OIL

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878  
Issue date: 3/11/2019 Revision date: 8/30/2021 Supersedes version of: 3/22/2021 Version: 1.3

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

#### 1.1. Product identifier

Product form : Substance  
Substance name : CEDAR LEAF - THUYA OCCIDENTALIS OIL  
EC-No. : 290-370-1  
CAS-No. : 90131-58-1  
Product code : CEDHE03  
Synonyms : CAS N° : 8007-20-3  
Product group : Essential oil

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

##### 1.2.1. Relevant identified uses

Main use category : Industrial use, Professional use  
Industrial/Professional use spec : For professional use only  
Industrial

##### 1.2.2. Uses advised against

No additional information available

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

EXAFLOR  
5 rue des Pyrénées  
P.O. Box CP 30561  
94653 Rungis Cedex - France  
T +33 (0)1 41 73 23 10  
[exaflor@orange.fr](mailto:exaflor@orange.fr) - [www.exaflor.co](http://www.exaflor.co)

#### 1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number	Comment
	ORFILA (FRANCE)		+33 1 45 42 59 59	

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

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

Acute toxicity (oral), Category 3 H301  
Skin corrosion/irritation, Category 2 H315  
Serious eye damage/eye irritation, Category 2 H319  
Skin sensitisation, Category 1 H317  
Aspiration hazard, Category 1 H304  
Hazardous to the aquatic environment — Chronic Hazard, Category 2 H411  
Full text of H-statements: see section 16

##### Adverse physicochemical, human health and environmental effects

Toxic if swallowed. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. May be fatal if swallowed and enters airways. Toxic to aquatic life with long lasting effects.

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### 2.2. Label elements

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

Hazard pictograms (CLP)



Signal word (CLP)

Hazard statements (CLP)

Precautionary statements (CLP)

- : Danger
- : H301 - Toxic 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.  
H411 - Toxic to aquatic life with long lasting effects.
- : P261 - Avoid breathing dust, fume, mist, vapours.  
P264 - Wash hands thoroughly after handling.  
P280 - Wear protective gloves, protective clothing, eye protection.  
P301+P310 - IF SWALLOWED: Immediately call a doctor, a POISON CENTER.  
P301+P310+P331 - IF SWALLOWED: Immediately call a POISON CENTER, a doctor. Do NOT induce vomiting.  
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.  
P337+P313 - If eye irritation persists: Get medical advice/attention.  
P362+P364 - Take off contaminated clothing and wash it before reuse.  
P391 - Collect spillage.

### 2.3. Other hazards

No additional information available

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Name : CEDAR LEAF - THUYA OCCIDENTALIS OIL  
CAS-No. : 90131-58-1  
EC-No. : 290-370-1

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
THUJONE	CAS-No.: 546-80-5 EC-No.: 208-912-2	45 – 59	Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg de poids corporel)
D- FENCHONE	CAS-No.: 4695-62-9 EC-No.: 225-160-0	6 – 16	Not classified
BETA-THUJONE	CAS-No.: 471-15-8	7 – 11	Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg) Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335
SABINENE	CAS-No.: 3387-41-5 EC-No.: 222-212-4	1 – 5	Flam. Liq. 3, H226
ALPHA-PINENES	CAS-No.: 80-56-8 EC-No.: 201-291-9	1 – 5	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
D-LIMONENE	CAS-No.: 5989-27-5 EC-No.: 227-813-5 EC Index-No.: 601-029-00-7	1 – 5	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
CAMPHENE	CAS-No.: 79-92-5 EC-No.: 201-234-8	1 – 5	Eye Irrit. 2, H319 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
4-TERPINEOL	CAS-No.: 562-74-3 EC-No.: 209-235-5	1 – 5	Acute Tox. 4 (Oral), H302 (ATE=1300 mg/kg de poids corporel) Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335
MYRCENE	CAS-No.: 123-35-3 EC-No.: 204-622-5	1 – 5	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Irrit. 2, H319
GAMMA-TERPINENE	CAS-No.: 99-85-4 EC-No.: 202-794-6	< 1	Flam. Liq. 3, H226 Repr. 2, H361 Asp. Tox. 1, H304
CAMPHOR	CAS-No.: 76-22-2 EC-No.: 200-945-0	< 1	Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg de poids corporel) Acute Tox. 4 (Inhalation:dust,mist), H332 (ATE=1.5 mg/l/4h) Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 Aquatic Chronic 3, H412
P-CYMENE	CAS-No.: 99-87-6 EC-No.: 202-796-7	< 1	Flam. Liq. 3, H226 Repr. 2, H361 Aquatic Chronic 2, H411
ALPHA-TERPINENE	CAS-No.: 99-86-5 EC-No.: 202-795-1	< 1	Flam. Liq. 3, H226 Acute Tox. 4 (Oral), H302 (ATE=1680 mg/kg de poids corporel) Asp. Tox. 1, H304 Aquatic Chronic 2, H411
ESTRAGOLE (METHYL CHAVICOL)	CAS-No.: 140-67-0 EC-No.: 205-427-8	< 1	Acute Tox. 4 (Oral), H302 (ATE=1230 mg/kg de poids corporel) Skin Sens. 1, H317 Muta. 2, H341 Carc. 2, H351

Full text of H-statements: see section 16

### 3.2. Mixtures

Not applicable

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general

: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible). Call a physician immediately.

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First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Allow affected person to breathe fresh air. Allow the victim to rest.
First-aid measures after skin contact	: Wash with plenty of water/... Wash contaminated clothing before reuse. If skin irritation occurs: Wash skin with plenty of water. Get medical advice/attention. Specific treatment (see Refer to instruction manual/booklet on this label). If skin irritation or rash occurs: Wash skin with plenty of water. Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Consult an eye specialist. Get medical advice/attention. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER/doctor. Specific treatment (see supplemental first aid instruction on this label). Call a physician immediately. Do not induce vomiting.

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

Symptoms/effects after inhalation	: May cause an allergic skin reaction.
Symptoms/effects after skin contact	: Causes skin irritation. Irritation. May cause an allergic skin reaction.
Symptoms/effects after eye contact	: Causes serious eye irritation. Eye irritation.
Symptoms/effects after ingestion	: Toxic if swallowed. Swallowing a small quantity of this material will result in serious health hazard. May be fatal if swallowed and enters airways. Risk of lung oedema.

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

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media	: Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media	: Do not use a heavy water stream.

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

Hazardous decomposition products in case of fire	: Toxic fumes may be released.
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### 5.3. Advice for firefighters

Firefighting instructions	: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection. Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

## SECTION 6: Accidental release measures

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

#### 6.1.1. For non-emergency personnel

Emergency procedures	: Ventilate spillage area. Evacuate unnecessary personnel. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray.
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#### 6.1.2. For emergency responders

Protective equipment	: Do not attempt to take action without suitable protective equipment. Equip cleanup crew with proper protection. For further information refer to section 8: "Exposure controls/personal protection".
Emergency procedures	: Ventilate area.

### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.

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

- For containment : Collect spillage.
- Methods for cleaning up : Take up liquid spill into absorbent material. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.
- Other information : Dispose of materials or solid residues at an authorized site.

### 6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection. For further information refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

- Precautions for safe handling : Ensure good ventilation of the work station. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid breathing mist, fume, dust, vapours. Avoid contact with skin and eyes. Wear personal protective equipment.
- Hygiene measures : Do not eat, drink or smoke when using this product. Wash hands with water and soap thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Always wash hands after handling the product.

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

- Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Direct sunlight, Heat sources. Keep container closed when not in use. Store locked up. Store in a well-ventilated place. Keep cool.
- Incompatible products : Strong bases. Strong acids.
- Incompatible materials : Sources of ignition. Direct sunlight.
- Maximum storage period : 3 year Shelf life to guarantee the quality and properties of the product; After this period, it is recommended to control organoleptic and physicochemical properties before using the raw material.
- Storage temperature : 18 (5 – 25) °C

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1. National occupational exposure and biological limit values

CAMPHOR (76-22-2)	
France - Occupational Exposure Limits	
Local name	Camphre
VME (OEL TWA)	12 mg/m <sup>3</sup>
VME (OEL TWA) [ppm]	2 ppm

#### 8.1.2. Recommended monitoring procedures

No additional information available

#### 8.1.3. Air contaminants formed

No additional information available

#### 8.1.4. DNEL and PNEC

No additional information available

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### 8.1.5. Control banding

No additional information available

## 8.2. Exposure controls

### 8.2.1. Appropriate engineering controls

#### Appropriate engineering controls:

Ensure good ventilation of the work station.

### 8.2.2. Personal protection equipment

#### Personal protective equipment:

Avoid all unnecessary exposure.

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



#### 8.2.2.1. Eye and face protection

##### Eye protection:

Chemical goggles or safety glasses. Safety glasses

#### 8.2.2.2. Skin protection

##### Skin and body protection:

Wear suitable protective clothing

##### Hand protection:

Wear protective gloves.

#### 8.2.2.3. Respiratory protection

##### Respiratory protection:

[In case of inadequate ventilation] wear respiratory protection.

#### 8.2.2.4. Thermal hazards

No additional information available

### 8.2.3. Environmental exposure controls

#### Environmental exposure controls:

Avoid release to the environment.

#### Other information:

Do not eat, drink or smoke during use.

## SECTION 9: Physical and chemical properties

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

Physical state	: Liquid
Colour	: light yellow. Yellow.
Odour	: characteristic.
Odour threshold	: Not available
Melting point	: Not applicable
Freezing point	: Not available
Boiling point	: Not available
Flammability	: Non flammable.
Explosive limits	: Not available
Lower explosive limit (LEL)	: Not available
Upper explosive limit (UEL)	: Not available
Flash point	: 62 °C
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
pH	: Not available

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Viscosity, kinematic	: Not available
Solubility	: Not available
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: Not available
Vapour pressure at 50 °C	: Not available
Density	: Not available
Relative density	: 0.89 – 0.918
Relative vapour density at 20 °C	: Not available
Particle size	: Not applicable
Particle size distribution	: Not applicable
Particle shape	: Not applicable
Particle aspect ratio	: Not applicable
Particle aggregation state	: Not applicable
Particle agglomeration state	: Not applicable
Particle specific surface area	: Not applicable
Particle dustiness	: Not applicable

### 9.2. Other information

#### 9.2.1. Information with regard to physical hazard classes

No additional information available

#### 9.2.2. Other safety characteristics

Refractive index : 1.45 – 1.547

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Not established.

### 10.3. Possibility of hazardous reactions

Not established.

### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

### 10.5. Incompatible materials

Strong acids. Strong bases.

### 10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide.

## SECTION 11: Toxicological information

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

Acute toxicity (oral)	: Toxic if swallowed.
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

#### CEDAR LEAF - THUYA OCCIDENTALIS OIL (90131-58-1)

LD50 oral rat	229 mg/kg
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#### THUJONE (546-80-5)

LD50 oral rat	500 mg/kg
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<b>THUJONE (546-80-5)</b>	
LD50 dermal rabbit	5000 mg/kg
<b>MYRCENE (123-35-3)</b>	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 5000 mg/kg
<b>4-TERPINEOL (562-74-3)</b>	
LD50 oral rat	1300 mg/kg
LD50 dermal rabbit	2500 mg/kg
<b>CAMPHENE (79-92-5)</b>	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 2500 mg/kg
<b>D-LIMONENE (5989-27-5)</b>	
LD50 oral rat	4400 mg/kg
LD50 dermal rabbit	> 5000 mg/kg
<b>ALPHA-PINENES (80-56-8)</b>	
LD50 oral rat	3700 mg/kg
LD50 dermal rabbit	> 5000 mg/kg
<b>ESTRAGOLE (METHYL CHAVICOL) (140-67-0)</b>	
LD50 oral rat	1230 mg/kg
LD50 oral	1250 mg/kg mouse
LD50 dermal rabbit	> 5000 mg/kg
<b>ALPHA-TERPINENE (99-86-5)</b>	
LD50 oral rat	1680 mg/kg
<b>P-CYMENE (99-87-6)</b>	
LD50 oral rat	4750 mg/kg
LD50 dermal rabbit	5000
<b>CAMPHOR (76-22-2)</b>	
LD50 dermal	3040 mg/kg rat
<b>GAMMA-TERPINENE (99-85-4)</b>	
LD50 oral rat	3850
Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitisation	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Carcinogenicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met
<b>D-LIMONENE (5989-27-5)</b>	
IARC group	3 - Not classifiable
Reproductive toxicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met

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

### BETA-THUJONE (471-15-8)

STOT-single exposure : May cause respiratory irritation.

### 4-TERPINEOL (562-74-3)

STOT-single exposure : May cause respiratory irritation.

### CAMPHOR (76-22-2)

STOT-single exposure : May cause respiratory irritation.

STOT-repeated exposure : Not classified  
Additional information : Based on available data, the classification criteria are not met  
Aspiration hazard : May be fatal if swallowed and enters airways.

## 11.2. Information on other hazards

### 11.2.1. Endocrine disrupting properties

### 11.2.2. Other information

Potential adverse human health effects and symptoms : Toxic if swallowed.

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : Toxic to aquatic life with long lasting effects.  
Ecology - water : Toxic to aquatic life with long lasting effects.  
Hazardous to the aquatic environment, short-term (acute) : Not classified  
Hazardous to the aquatic environment, long-term (chronic) : Toxic to aquatic life with long lasting effects.

### CEDAR LEAF - THUYA OCCIDENTALIS OIL (90131-58-1)

EC50 96h - Algae [1] : 3.24 mg/l

### CAMPHENE (79-92-5)

LC50 - Fish [1] : 0.72 mg/l

EC50 - Crustacea [1] : 22 mg/l

EC50 - Other aquatic organisms [1] : 1000

### D-LIMONENE (5989-27-5)

LC50 - Fish [1] : 0.702 mg/l Pimephales promela (fathead minnow) -96h

EC50 - Crustacea [1] : 69.6 daphnia - 48h

### ALPHA-PINENES (80-56-8)

LC50 - Fish [1] : 0.28 mg/l Pimephales promela (fathead minnow) - 96h

LC50 - Other aquatic organisms [1] : 41 mg/l EC50 48h - Daphnia magna [mg/l]

### ALPHA-TERPINENE (99-86-5)

LC50 - Fish [1] : 3.15 mg/l LC50 96h fish - Pimephales promela (fathead minnow)

EC50 - Crustacea [1] : 1.85 mg/l EC50 48h - Daphnia magna [mg/l]

### P-CYMENE (99-87-6)

LC50 - Fish [1] : 48 mg/l 96H -Cyprinodon variegatus (Sheep shead minnow)

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<b>P-CYMENE (99-87-6)</b>	
EC50 - Crustacea [1]	6.5 mg/l EC50 48h - Daphnia magna [mg/l]
ErC50 algae	4.03 mg/l 72h - Scenedesmus capricornutum (Fresh water algae)
<b>CAMPHOR (76-22-2)</b>	
LC50 - Fish [1]	50 mg/l LC50 96h fish
<b>12.2. Persistence and degradability</b>	
<b>CEDAR LEAF - THUYA OCCIDENTALIS OIL (90131-58-1)</b>	
Persistence and degradability	May cause long-term adverse effects in the environment.
<b>THUJONE (546-80-5)</b>	
Persistence and degradability	Not established.
<b>BETA-THUJONE (471-15-8)</b>	
Persistence and degradability	Not established.
<b>MYRCENE (123-35-3)</b>	
Persistence and degradability	Not established.
<b>4-TERPINEOL (562-74-3)</b>	
Persistence and degradability	Not established.
<b>CAMPHENE (79-92-5)</b>	
Biodegradation	4 % aerobic - No readily biodegradable
<b>D-LIMONENE (5989-27-5)</b>	
Persistence and degradability	May cause long-term adverse effects in the environment.
<b>ALPHA-PINENES (80-56-8)</b>	
Persistence and degradability	Readily biodegradable. May cause long-term adverse effects in the environment.
<b>ESTRAGOLE (METHYL CHAVICOL) (140-67-0)</b>	
Persistence and degradability	Not established.
<b>ALPHA-TERPINENE (99-86-5)</b>	
Persistence and degradability	May cause long-term adverse effects in the environment.
<b>P-CYMENE (99-87-6)</b>	
Persistence and degradability	Readily biodegradable.
Biodegradation	100 %
<b>CAMPHOR (76-22-2)</b>	
Persistence and degradability	May cause long-term adverse effects in the environment.
BOD (% of ThOD)	94 % ThOD
<b>GAMMA-TERPINENE (99-85-4)</b>	
Persistence and degradability	Not established.

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### 12.3. Bioaccumulative potential

#### CEDAR LEAF - THUYA OCCIDENTALIS OIL (90131-58-1)

Bioaccumulative potential	Not established.
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#### THUJONE (546-80-5)

Partition coefficient n-octanol/water (Log Kow)	2.65
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Bioaccumulative potential	Not established.
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#### BETA-THUJONE (471-15-8)

Bioaccumulative potential	Not established.
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#### MYRCENE (123-35-3)

Partition coefficient n-octanol/water (Log Kow)	4.17
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Bioaccumulative potential	Not established.
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#### 4-TERPINEOL (562-74-3)

Bioaccumulative potential	Not established.
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#### CAMPHENE (79-92-5)

BCF - Fish [1]	922 mg/l - 56 d - Cyprinus carpio (Carp) - not significantly accumulate
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#### D-LIMONENE (5989-27-5)

Bioaccumulative potential	Not established.
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#### ALPHA-PINENES (80-56-8)

Partition coefficient n-octanol/water (Log Pow)	4.834
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Bioaccumulative potential	Not established.
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#### ESTRAGOLE (METHYL CHAVICOL) (140-67-0)

Partition coefficient n-octanol/water (Log Kow)	3.47
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Bioaccumulative potential	Not established.
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#### ALPHA-TERPINENE (99-86-5)

Partition coefficient n-octanol/water (Log Pow)	4.25
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Bioaccumulative potential	Not established.
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#### P-CYMENE (99-87-6)

Partition coefficient n-octanol/water (Log Kow)	4.1
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#### CAMPHOR (76-22-2)

Bioconcentration factor (BCF REACH)	38
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Partition coefficient n-octanol/water (Log Pow)	2.38
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Partition coefficient n-octanol/water (Log Kow)	2.95
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Bioaccumulative potential	Not established.
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#### GAMMA-TERPINENE (99-85-4)

Bioaccumulative potential	Not established.
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### 12.4. Mobility in soil

#### CAMPHOR (76-22-2)

Partition coefficient n-octanol/water (Log K <sub>oc</sub> )	env. 2.67
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### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Endocrine disrupting properties

No additional information available

### 12.7. Other adverse effects

Additional information : Avoid release to the environment.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Product/Packaging disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.
Ecology - waste materials	: Avoid release to the environment. Hazardous waste due to toxicity.

## SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

### 14.1. UN number or ID number

UN-No. (ADR)	: UN 2810
UN-No. (IMDG)	: Not regulated
UN-No. (IATA)	: Not regulated
UN-No. (ADN)	: Not regulated
UN-No. (RID)	: Not regulated

### 14.2. UN proper shipping name

Proper Shipping Name (ADR)	: TOXIC LIQUID, ORGANIC, N.O.S.
Proper Shipping Name (IMDG)	: Not regulated
Proper Shipping Name (IATA)	: Not regulated
Proper Shipping Name (ADN)	: Not regulated
Proper Shipping Name (RID)	: Not regulated
Transport document description (ADR)	: UN 2810 TOXIC LIQUID, ORGANIC, N.O.S. (D-LIMONENE ; CAMPHENE), 6.1, III, (E), ENVIRONMENTALLY HAZARDOUS

### 14.3. Transport hazard class(es)

#### ADR

Transport hazard class(es) (ADR)	: 6.1
Danger labels (ADR)	: 6.1



#### IMDG

Transport hazard class(es) (IMDG)	: Not regulated
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### IATA

Transport hazard class(es) (IATA) : Not regulated

### ADN

Transport hazard class(es) (ADN) : Not regulated

### RID

Transport hazard class(es) (RID) : Not regulated

## 14.4. Packing group

Packing group (ADR) : III  
Packing group (IMDG) : Not regulated  
Packing group (IATA) : Not regulated  
Packing group (ADN) : Not regulated  
Packing group (RID) : Not regulated

## 14.5. Environmental hazards

Dangerous for the environment : Yes  
Marine pollutant : Yes  
Other information : No supplementary information available

## 14.6. Special precautions for user

### Overland transport

Classification code (ADR) : T1  
Special provisions (ADR) : 274, 614  
Limited quantities (ADR) : 5I  
Excepted quantities (ADR) : E1  
Packing instructions (ADR) : P001, IBC03, LP01, R001  
Mixed packing provisions (ADR) : MP19  
Portable tank and bulk container instructions (ADR) : T7  
Portable tank and bulk container special provisions (ADR) : TP1, TP28  
Tank code (ADR) : L4BH  
Tank special provisions (ADR) : TU15, TE19  
Vehicle for tank carriage : AT  
Transport category (ADR) : 2  
Special provisions for carriage - Packages (ADR) : V12  
Special provisions for carriage - Loading, unloading and handling (ADR) : CV13, CV28  
Special provisions for carriage - Operation (ADR) : S9  
Hazard identification number (Kemler No.) : 60  
Orange plates :



Tunnel restriction code (ADR) : E

### Transport by sea

Not regulated

### Air transport

Not regulated

### Inland waterway transport

Not regulated

### Rail transport

Not regulated

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

Not applicable

## SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulations

EU restriction list (REACH Annex XVII)		
Reference code	Applicable on	Entry title or description
3(a)	SABINENE ; ALPHA-PINENES ; D-LIMONENE ; MYRCENE ; GAMMA-TERPINENE ; P-CYMENE ; ALPHA-TERPINENE	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F
3(b)	CEDAR LEAF - THUYA OCCIDENTALIS OIL ; ALPHA-PINENES ; D-LIMONENE ; 4-TERPINEOL ; MYRCENE ; GAMMA-TERPINENE ; P-CYMENE ; ALPHA-TERPINENE ; THUJONE ; ESTRAGOLE (METHYL CHAVICOL) ; BETA-THUJONE	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10
3(c)	CEDAR LEAF - THUYA OCCIDENTALIS OIL ; ALPHA-PINENES ; D-LIMONENE ; P-CYMENE ; ALPHA-TERPINENE	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1
40.	SABINENE ; ALPHA-PINENES ; D-LIMONENE ; CAMPHENE ; MYRCENE ; GAMMA-TERPINENE ; CAMPHOR ; P-CYMENE ; ALPHA-TERPINENE	Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not.

CEDAR LEAF - THUYA OCCIDENTALIS OIL is not on the REACH Candidate List

CEDAR LEAF - THUYA OCCIDENTALIS OIL is not on the REACH Annex XIV List

CEDAR LEAF - THUYA OCCIDENTALIS OIL is not subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

CEDAR LEAF - THUYA OCCIDENTALIS OIL is not subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

#### 15.1.2. National regulations

##### Germany

Water hazard class (WGK) : Not classified according to Regulation Governing Systems for Handling Substances Hazardous to Waters (AwSV)

Hazardous Incident Ordinance (12. BImSchV) : Is not subject of the Hazardous Incident Ordinance (12. BImSchV)

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

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### SECTION 16: Other information

#### Abbreviations and acronyms

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BLV	Biological limit value
CAS-No.	Chemical Abstract Service number
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC50	Median effective concentration
EC-No.	European Community number
EN	European Standard
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
vPvB	Very Persistent and Very Bioaccumulative
WGK	Water Hazard Class

Data sources : 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, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Other information : None.

#### Full text of H- and EUH-statements

Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1

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Full text of H- and EUH-statements	
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Asp. Tox. 1	Aspiration hazard, Category 1
Carc. 2	Carcinogenicity, Category 2
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
Muta. 2	Germ cell mutagenicity, Category 2
Repr. 2	Reproductive toxicity, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H226	Flammable liquid and vapour.
H301	Toxic if swallowed.
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.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H341	Suspected of causing genetic defects.
H351	Suspected of causing cancer.
H361	Suspected of damaging fertility or the unborn child.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

The classification complies with : ATP 12

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.