



# BUCHU ORGANIC OIL

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878  
Issue date: 11/3/2015 Revision date: 7/8/2021 Supersedes version of: 3/2/2021 Version: 1.5

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

#### 1.1. Product identifier

Product form : Substance  
Substance name : BUCHU ORGANIC OIL  
EC-No. : 283-474-3  
CAS-No. : 84649-93-4  
Product code : BBUCHE01  
Synonyms : CAS N° USA : 68650-46-4  
Product group : Organic 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]

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 — Acute Hazard, Category 1 H400  
Hazardous to the aquatic environment — Chronic Hazard, Category 1 H410  
Full text of H-statements: see section 16

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

No additional information available

#### 2.2. Label elements

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

Hazard pictograms (CLP) :



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	GHS07	GHS08	GHS09
Signal word (CLP)	: Danger		
Hazard statements (CLP)	: 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. H410 - Very toxic to aquatic life with long lasting effects.		
Precautionary statements (CLP)	: P261 - Avoid breathing mist, fume, dust, vapours. P264 - Wash hands thoroughly after handling. P280 - Wear protective gloves, protective clothing, eye protection. 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	: BUCHU ORGANIC OIL
CAS-No.	: 84649-93-4
EC-No.	: 283-474-3

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
ISOMENTHONE	CAS-No.: 491-07-6 EC-No.: 207-727-4	10 – 30	Skin Irrit. 2, H315 Skin Sens. 1, H317
DL-MENTHONE	CAS-No.: 1074-95-9 EC-No.: 214-049-2	5 – 30	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Chronic 3, H412
D-LIMONENE	CAS-No.: 5989-27-5 EC-No.: 227-813-5 EC Index-No.: 601-029-00-7	10 – 30	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
THIOMENTHONE	CAS-No.: 38462-22-5 EC-No.: 253-953-1	1 – 10	Skin Sens. 1, H317
D-PULEGONE	CAS-No.: 89-82-7 EC-No.: 201-943-2	1 – 10	Acute Tox. 4 (Oral), H302 (ATE=470 mg/kg de poids corporel) Aquatic Chronic 3, H412
EUCALYPTOL	CAS-No.: 470-82-6 EC-No.: 207-431-5	1 – 10	Flam. Liq. 3, H226
ISOPULEGONE TRANS	CAS-No.: 57129-09-6	1 – 5	Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg de poids corporel)
ALPHA-PINENES	CAS-No.: 80-56-8 EC-No.: 201-291-9	0.01 – 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]
4-TERPINEOL	CAS-No.: 562-74-3 EC-No.: 209-235-5	0.01 – 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
BETA-PINENES	CAS-No.: 127-91-3 EC-No.: 204-872-5	≤ 1	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Asp. Tox. 1, H304
LINALOOL	CAS-No.: 78-70-6 EC-No.: 201-134-4	≤ 1	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317
EUGENOL	CAS-No.: 97-53-0 EC-No.: 202-589-1	≤ 0.5	Acute Tox. 4 (Oral), H302 (ATE=1930 mg/kg de poids corporel) Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Chronic 2, H411
METHYL EUGENOL	CAS-No.: 93-15-2 EC-No.: 202-223-0	≤ 0.5	Acute Tox. 4 (Oral), H302 (ATE=810 mg/kg de poids corporel) Muta. 2, H341 Carc. 2, H351 Aquatic Chronic 2, H411

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).
First-aid measures after inhalation	: 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: Rinse skin with water/shower. Get medical advice/attention. Specific treatment (see Read label before use. on this label). If skin irritation or rash occurs: Gently wash with plenty of soap and water.
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.
First-aid measures after ingestion	: Immediately call a POISON CENTER/doctor. Rinse mouth. 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.
Symptoms/effects after eye contact	: Causes serious eye irritation.
Symptoms/effects after ingestion	: May be fatal if swallowed and enters airways.

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

No additional information available

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### 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

No additional information available

#### 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.

### SECTION 6: Accidental release measures

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

##### 6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

##### 6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.  
Emergency procedures : Ventilate area.

#### 6.2. Environmental precautions

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

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

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

#### 6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling : Avoid breathing mist, fume, dust, vapours. 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.  
Hygiene measures : Wash hands thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.

#### 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.  
Incompatible products : Strong bases. Strong acids.  
Incompatible materials : Sources of ignition. Direct sunlight.  
Maximum storage period : 36 months 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 :  $\approx 18$  (5 – 25) °C

#### 7.3. Specific end use(s)

No additional information available

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### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

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

No additional information available

##### 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

##### 8.1.5. Control banding

No additional information available

#### 8.2. Exposure controls

##### 8.2.1. Appropriate engineering controls

No additional information available

##### 8.2.2. Personal protection equipment

**Personal protective equipment:**  
Avoid all unnecessary exposure.

###### 8.2.2.1. Eye and face protection

**Eye protection:**  
Chemical goggles or 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

###### 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. brown.
Odour	: herbaceous. peppermint odour. Fruity.
Odour threshold	: Not available
Melting point	: Not available
Freezing point	: Not available
Boiling point	: Not available
Flammability	: Non flammable.
Explosive limits	: Not available

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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
Viscosity, kinematic	: Not available
Solubility	: Insoluble in water. Solubility in ethanol.
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 – 0.98
Relative vapour density at 20 °C	: 0.89 – 0.98
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 : 1.46 – 1.491

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No additional information available

### 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)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

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<b>ISOMENTHONE (491-07-6)</b>	
LD50 oral rat	2500 mg/kg
<b>DL-MENTHONE (1074-95-9)</b>	
LD50 oral rat	2500 mg/kg
<b>D-LIMONENE (5989-27-5)</b>	
LD50 oral rat	4400 mg/kg
LD50 dermal rabbit	> 5000 mg/kg
<b>D-PULEGONE (89-82-7)</b>	
LD50 oral rat	470 mg/kg
LD50 dermal rabbit	3100 mg/kg
<b>ALPHA-PINENES (80-56-8)</b>	
LD50 oral rat	3700 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>LINALOOL (78-70-6)</b>	
LD50 oral rat	2790 mg/kg
LD50 oral	3120 mg/kg LD50 oral mouse
LD50 dermal rabbit	5610 mg/kg
<b>EUGENOL (97-53-0)</b>	
LD50 oral rat	1930 mg/kg
LC50 Inhalation - Rat [ppm]	> 384 ppmv/4h
<b>METHYL EUGENOL (93-15-2)</b>	
LD50 oral rat	810 mg/kg
LD50 dermal rabbit	> 2025
LC50 Inhalation - Rat	> 4800 mg/kg
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
<b>EUGENOL (97-53-0)</b>	
IARC group	3 - Not classifiable
<b>METHYL EUGENOL (93-15-2)</b>	
IARC group	2B - Possibly carcinogenic to humans
Reproductive toxicity	: Not classified

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

<b>4-TERPINEOL (562-74-3)</b>	
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	: Based on available data, the classification criteria are not met
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## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - water	: Toxic to aquatic life with long lasting effects. Very toxic to aquatic life with long lasting effects.
Hazardous to the aquatic environment, short-term (acute)	: Very toxic to aquatic life.
Hazardous to the aquatic environment, long-term (chronic)	: Very toxic to aquatic life with long lasting effects.

<b>D-LIMONENE (5989-27-5)</b>	
LC50 - Fish [1]	0.702 mg/l Pimephales promela (fathead minnow) -96h
EC50 - Crustacea [1]	69.6 daphnia - 48h

<b>D-PULEGONE (89-82-7)</b>	
EC50 - Crustacea [1]	24.4 mg/l EC50 48h - Daphnia duplex [mg/l]

<b>ALPHA-PINENES (80-56-8)</b>	
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]

<b>LINALOOL (78-70-6)</b>	
LC50 - Fish [1]	27.8 mg/l EC 50 (fish : rainbow trout) : - 96h
LC50 - Other aquatic organisms [1]	88.3 mg/l Desmodesmus subspicatus (green algae) - 96h
EC50 - Crustacea [1]	59 mg/l EC50 48h - Daphnia magna [mg/l]
NOEC chronic fish	3.5 mg/l Oncorhynchus mykiss (Rainbow trout)- 96h
NOEC chronic crustacea	25 mg/l daphnia - 48h

<b>EUGENOL (97-53-0)</b>	
LC50 - Fish [1]	13 mg/l Brachydanio rerio (zebra-fish) - 96h
EC50 - Crustacea [1]	1.13 mg/l EC50 48h - Daphnia magna [mg/l]

<b>METHYL EUGENOL (93-15-2)</b>	
LC50 - Fish [1]	6 mg/l Oncorhynchus mykiss (Rainbow trout) - 96h



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### 12.2. Persistence and degradability

#### BUCHU ORGANIC OIL (84649-93-4)

Persistence and degradability	May cause long-term adverse effects in the environment.
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#### ISOMENTHONE (491-07-6)

Persistence and degradability	Not established.
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#### DL-MENTHONE (1074-95-9)

Persistence and degradability	May cause long-term adverse effects in the environment.
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#### D-LIMONENE (5989-27-5)

Persistence and degradability	May cause long-term adverse effects in the environment.
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#### THIOMENTHONE (38462-22-5)

Persistence and degradability	Not established.
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#### D-PULEGONE (89-82-7)

Persistence and degradability	May cause long-term adverse effects in the environment.
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#### ALPHA-PINENES (80-56-8)

Persistence and degradability	Readily biodegradable. May cause long-term adverse effects in the environment.
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#### 4-TERPINEOL (562-74-3)

Persistence and degradability	Not established.
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#### BETA-PINENES (127-91-3)

Persistence and degradability	Not established.
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#### LINALOOL (78-70-6)

Persistence and degradability	Readily biodegradable. Not established.
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Biodegradation	100 % 13 DAYS- ZAHN-WELLENS TEST OECD N° 302 B
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#### EUGENOL (97-53-0)

Persistence and degradability	Readily biodegradable. May cause long-term adverse effects in the environment.
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#### METHYL EUGENOL (93-15-2)

Persistence and degradability	May cause long-term adverse effects in the environment.
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### 12.3. Bioaccumulative potential

#### BUCHU ORGANIC OIL (84649-93-4)

Bioaccumulative potential	Not established.
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#### ISOMENTHONE (491-07-6)

Bioaccumulative potential	Not established.
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#### DL-MENTHONE (1074-95-9)

Partition coefficient n-octanol/water (Log Pow)	3.05
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Bioaccumulative potential	Not established.
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#### D-LIMONENE (5989-27-5)

Bioaccumulative potential	Not established.
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<b>THIOMENTHONE (38462-22-5)</b>	
Bioaccumulative potential	Not established.
<b>D-PULEGONE (89-82-7)</b>	
Partition coefficient n-octanol/water (Log Kow)	3.08
Bioaccumulative potential	Not established.
<b>ALPHA-PINENES (80-56-8)</b>	
Partition coefficient n-octanol/water (Log Pow)	4.834
Bioaccumulative potential	Not established.
<b>4-TERPINEOL (562-74-3)</b>	
Bioaccumulative potential	Not established.
<b>BETA-PINENES (127-91-3)</b>	
Bioaccumulative potential	Not established.
<b>LINALOOL (78-70-6)</b>	
Partition coefficient n-octanol/water (Log Pow)	2.97
Bioaccumulative potential	Not established.
<b>EUGENOL (97-53-0)</b>	
Partition coefficient n-octanol/water (Log Pow)	2.7
Partition coefficient n-octanol/water (Log Kow)	2.27
Bioaccumulative potential	Not established.
<b>METHYL EUGENOL (93-15-2)</b>	
Partition coefficient n-octanol/water (Log Kow)	3.03
Bioaccumulative potential	Not established.

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Endocrine disrupting properties

No additional information available

### 12.7. Other adverse effects

Additional information : Avoid release to the environment.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Product/Packaging disposal recommendations : Dispose of contents/container to contents/container to agreed companies according to national regulations. Dispose in a safe manner in accordance with local/national regulations.

Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

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### SECTION 14: Transport information

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

#### 14.1. UN number or ID number

UN-No. (ADR)	: UN 3082
UN-No. (IMDG)	: Not applicable
UN-No. (IATA)	: Not applicable
UN-No. (ADN)	: Not applicable
UN-No. (RID)	: Not applicable

#### 14.2. UN proper shipping name

Proper Shipping Name (ADR)	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Proper Shipping Name (IMDG)	: Not applicable
Proper Shipping Name (IATA)	: Not applicable
Proper Shipping Name (ADN)	: Not applicable
Proper Shipping Name (RID)	: Not applicable
Transport document description (ADR)	: UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (D-LIMONENE(5989-27-5) ; DL-MENTHONE(1074-95-9)), 9, III, (E)

#### 14.3. Transport hazard class(es)

##### ADR

Transport hazard class(es) (ADR)	: 9
Danger labels (ADR)	: 9



##### IMDG

Transport hazard class(es) (IMDG)	: Not applicable
	:



##### IATA

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



##### ADN

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



##### RID

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



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### 14.4. Packing group

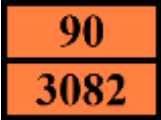
Packing group (ADR)	: III
Packing group (IMDG)	: Not applicable
Packing group (IATA)	: Not applicable
Packing group (ADN)	: Not applicable
Packing group (RID)	: Not applicable

### 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)	: M6
Special provisions (ADR)	: 274, 335, 601, 375
Limited quantities (ADR)	: 5I
Excepted quantities (ADR)	: E1
Packing instructions (ADR)	: P001, IBC03, LP01, R001
Special packing provisions (ADR)	: PP1
Mixed packing provisions (ADR)	: MP19
Portable tank and bulk container instructions (ADR)	: T4
Portable tank and bulk container special provisions (ADR)	: TP1, TP29
Tank code (ADR)	: LGBV
Vehicle for tank carriage	: AT
Transport category (ADR)	: 3
Special provisions for carriage - Packages (ADR)	: V12
Special provisions for carriage - Loading, unloading and handling (ADR)	: CV13
Hazard identification number (Kemler No.)	: 90
Orange plates	: 

Tunnel restriction code (ADR) : E

#### Transport by sea

No data available

#### Air transport

No data available

#### Inland waterway transport

No data available

#### Rail transport

No data available

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

Not applicable

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### 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)	D-LIMONENE ; EUCALYPTOL ; ALPHA-PINENES ; BETA-PINENES	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)	BUCHU ORGANIC OIL ; ISOMENTHONE ; DL-MENTHONE ; D-LIMONENE ; THIOMENTHONE ; D-PULEGONE ; LINALOOL ; ALPHA-PINENES ; BETA-PINENES ; 4-TERPINEOL ; EUGENOL ; METHYL EUGENOL	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)	BUCHU ORGANIC OIL ; DL-MENTHONE ; D-LIMONENE ; D-PULEGONE ; ALPHA-PINENES ; EUGENOL ; METHYL EUGENOL	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.	D-LIMONENE ; EUCALYPTOL ; ALPHA-PINENES ; BETA-PINENES	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.

BUCHU ORGANIC OIL is not on the REACH Candidate List

BUCHU ORGANIC OIL is not on the REACH Annex XIV List

BUCHU ORGANIC 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.

BUCHU ORGANIC 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) : WGK 2, Significantly hazardous to water (Classification according to AwSV; ID No. 6220)

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

### SECTION 16: Other information

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.

# BUCHU ORGANIC OIL

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

Full text of H- and EUH-statements	
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
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
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.
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.
H335	May cause respiratory irritation.
H341	Suspected of causing genetic defects.
H351	Suspected of causing cancer.
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 8

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.