SECTION 1: Identification

1.1. GHS Product identifier

Product form	:	Substance
Trade name	:	TARRAGON ESSENTIAL OIL 100% pure and natural HUNGARY
Type of product	:	UVCB substance
EC-No.	:	290-356-5
CAS-No.	:	90131-45-6
UN-No. (ADR)	:	3082

1.2 Other means of identification

No additional information available

1.3. Recommended use of the chemical and restrictions on use

Use of the substance/mixture : Aromatic raw material for professional use.

1.4. Supplier's details

Supplier

Albert Vieille SAS
629 Route de Grasse
BP 217
06227 VALLAURIS - FRANCE
T 04 93 64 16 72 - F 04 93 64 80 07
info@albertvieille.com

1.5. Emergency phone number

No additional information available

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

Classification according to the United Nations GHS

Flammable liquids, Category 4	H227	On basis of test data
Acute toxicity (oral), Category 4	H302	On basis of test data
Acute toxicity (dermal) Not classified		On basis of test data
Skin corrosion/irritation, Category 2	H315	Calculation method
Skin sensitisation, Category 1	H317	Calculation method
Germ cell mutagenicity, Category 2	H341	Calculation method
Carcinogenicity, Category 2	H351	Calculation method
Reproductive toxicity, Category 2	H361	Calculation method
Aspiration hazard, Category 1	H304	Calculation method
Hazardous to the aquatic environment — Acute Hazard, Category 2	H401	Calculation method
Hazardous to the aquatic environment — Chronic Hazard, Category 2	H411	Calculation method

Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects : Suspected of causing cancer,Suspected of causing genetic defects,Harmful if swallowed,Causes skin irritation,May cause an allergic skin reaction,May be fatal if swallowed and enters airways,Toxic to aquatic life with long lasting effects.

2.2. GHS Label elements, including precautionary statements

Labelling according to the United Nations GHS

Hazard pictograms (GHS-UN) :

GHS07 GHS08 GHS09

Signal word (GHS-UN) : Danger

Hazard statements (GHS-UN) :
H227 - Combustible liquid
H302 - Harmful if swallowed
H304 - May be fatal if swallowed and enters airways
H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H341 - Suspected of causing genetic defects
H351 - Suspected of causing cancer
H361 - Suspected of damaging fertility or the unborn child
H411 - Toxic to aquatic life with long lasting effects

Precautionary statements (GHS-UN) :
P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.
P264 - Wash ... thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P272 - Contaminated work clothing should not be allowed out of the workplace.
P273 - Avoid release to the environment.
P280 - Wear protective gloves/protective clothing/eye protection/face protection/hearing protection/....
P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER/doctor/....
P301+P312 - IF SWALLOWED: Call a POISON CENTER/doctor/... if you feel unwell.
P302+P352 - IF ON SKIN: Wash with plenty of water/....
P308+P313 - IF exposed or concerned: Get medical advice/attention.
P321 - Specific treatment (see ... on this label).
P330 - Rinse mouth.
P331 - Do NOT induce vomiting.
P332+P313 - If skin irritation occurs: Get medical advice/attention.
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
P362+P364 - Take off contaminated clothing and wash it before reuse.
P370+P378 - In case of fire: Use ... to extinguish.
P391 - Collect spillage.
P403 - Store in a well-ventilated place.
P405 - Store locked up.
P501 - Dispose of contents/container to ....

2.3. Other hazards which do not result in classification

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Name : TARRAGON ESSENTIAL OIL 100% pure and natural HUNGARY
CAS-No. : 90131-45-6
EC-No. : 290-356-5
Substance identification codes: See section 1.1

Name	Product identifier	%	Classification according to the United Nations GHS
Methyl chavicol (estragol)	(CAS-No.) 140-67-0	<= 80	Skin sensitisation, category 1B, H317 Skin corrosion/irritation, Category 2, H315 Germ cell mutagenicity, Category 2, H341 Flammable liquids, Category 4, H227 Carcinogenicity, Category 2, H351 Hazardous to the aquatic environment — Chronic Hazard, Category 3, H412 Hazardous to the aquatic environment — Acute Hazard, Category 2, H401 Acute toxicity (oral), Category 4, H302
(Z)-beta-Ocimene	(CAS-No.) 3338-55-4	<= 10	Flammable liquids, Category 3, H226 Acute toxicity (oral), Category 5, H303 Skin corrosion/irritation, Category 2, H315 Aspiration hazard, Category 1, H304 Hazardous to the aquatic environment — Acute Hazard, Category 1, H400 Hazardous to the aquatic environment — Chronic Hazard, Category 2, H411
(E)-beta-Ocimene	(CAS-No.) 3779-61-1	<= 8	Skin corrosion/irritation, Category 3, H316
(S)-p-mentha-1,8-diene, l-limonene	(CAS-No.) 5989-54-8	<= 6	Flammable liquids, Category 3, H226 Skin corrosion/irritation, Category 2, H315 Skin sensitisation, category 1B, 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
alpha-Pinene	(CAS-No.) 80-56-8	<= 2	Flammable liquids, Category 3, H226 Acute toxicity (oral), Category 4, H302 Skin corrosion/irritation, Category 2, H315 Skin sensitisation, category 1B, 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

beta-Pinene	(CAS-No.) 127-91-3	<= 1	Flammable liquids, Category 3, H226 Skin corrosion/irritation, Category 2, H315 Skin sensitisation, category 1B, 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
Methyl eugenol	(CAS-No.) 93-15-2	<= 1	Acute toxicity (oral), Category 4, H302 Germ cell mutagenicity, Category 2, H341 Carcinogenicity, Category 2, H351 Hazardous to the aquatic environment — Acute Hazard, Category 2, H401
Eugenol	(CAS-No.) 97-53-0	<= 0.5	Acute toxicity (oral), Category 5, H303 Skin corrosion/irritation, Category 3, H316 Serious eye damage/eye irritation, Category 2A, H319 Skin sensitisation, category 1B, H317 Hazardous to the aquatic environment — Acute Hazard, Category 2, H401
Myrcene	(CAS-No.) 123-35-3	<= 0.4	Flammable liquids, Category 3, H226 Skin corrosion/irritation, Category 2, H315 Serious eye damage/eye irritation, Category 2A, H319 Aspiration hazard, Category 1, H304 Hazardous to the aquatic environment — Acute Hazard, Category 1, H400 Hazardous to the aquatic environment — Chronic Hazard, Category 2, H411
Camphene	(CAS-No.) 79-92-5	<= 0.2	Flammable solids, Category 2, H228 Serious eye damage/eye irritation, Category 2B, H320 Hazardous to the aquatic environment — Acute Hazard, Category 1, H400 Hazardous to the aquatic environment — Chronic Hazard, Category 1, H410

Terpinolene	(CAS-No.) 586-62-9	<= 0.1	Flammable liquids, Category 4, H227 Acute toxicity (oral), Category 5, H303 Skin corrosion/irritation, Category 3, H316 Skin sensitisation, category 1B, 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
Linalool	(CAS-No.) 78-70-6	<= 0.1	Flammable liquids, Category 4, H227 Acute toxicity (oral), Category 5, H303 Skin corrosion/irritation, Category 2, H315 Serious eye damage/eye irritation, Category 2A, H319 Skin sensitisation, category 1B, H317 Hazardous to the aquatic environment — Acute Hazard, Category 3, H402

Comments : Analysis method : gas chromatography (GC/FID) area % according to normalization method (ISO 7609 and 11024)

Full text of H-statements: see section 16

3.2. Mixtures

Not applicable

SECTION 4: First-aid measures

4.1. Description of necessary first-aid measures

First-aid measures general : Call a doctor immediately.

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact : 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 eyes with water as a precaution.

First-aid measures after ingestion : Rinse mouth. Do not induce vomiting. Call a doctor immediately.

4.2. Most important symptoms/effects, acute and delayed

Symptoms/effects after skin contact : Irritation. May cause an allergic skin reaction.

Symptoms/effects after ingestion : Risk of lung oedema.

4.3. Indication of immediate medical attention and special treatment needed, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media

Suitable extinguishing media : Dry powder. Foam. Carbon dioxide.

Unsuitable extinguishing media : Do not use water jet.

5.2. Specific hazards arising from the chemical

No additional information available

5.3. Special protective actions for fire-fighters

Protection during firefighting : 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. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and materials for containment and cleaning up

For containment : Collect spillage.

Methods for cleaning up : Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.

Other information : Dispose of materials or solid residues at an authorized site.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear personal protective equipment. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray.

Hygiene measures : Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store locked up. Store in a well-ventilated place. Keep cool.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.

Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures, such as personal protective equipment (PPE)

Hand protection : Protective gloves

Eye protection : Safety glasses

Skin and body protection : Wear suitable protective clothing

Respiratory protection : [In case of inadequate ventilation] wear respiratory protection.

8.4. Exposure limit values for the other components

No additional information available

SECTION 9: Physical and chemical properties

9.1. Basic physical and chemical properties

Physical state	:	Liquid
Appearance	:	liquid at room temperature
Colour	:	Colourless. pale yellow.
Odour	:	aromatic. aniseed. green. fresh. aqueous.
Odour threshold	:	Not available
Melting point	:	Not applicable
Freezing point	:	Not available
Boiling point	:	Not available
Flammability (solid, gas)	:	Not applicable
Explosive limits	:	Not available
Lower explosive limit (LEL)	:	Not available
Upper explosive limit (UEL)	:	Not available
Flash point	:	70 °C
Auto-ignition temperature	:	Not available
Decomposition temperature	:	Not available
pH	:	Not available
pH solution	:	Not available
Viscosity, kinematic (calculated value) (40 °C)	:	< 20 mm²/s

Log Kow	:	Not available
Vapour pressure	:	Not available
Vapour pressure at 50 °C	:	Not available
Density	:	Not available
Relative density	:	0.918 - 0.943
Relative vapour density at 20 °C	:	Not available
Solubility	:	Not available
Particle size	:	Not applicable
Particle size distribution	:	Not applicable
Particle shape	:	Not applicable
Particle aspect ratio	:	Not applicable
Particle specific surface area	:	Not applicable

9.2. Data relevant with regard to physical hazard classes (supplemental)

UN Gap Test	:	No additional information available
Koenen Test	:	No additional information available
Limiting impact energy	:	No additional information available
Limiting load	:	No additional information available
Thermal stability	:	No additional information available
Oxidising power (OP)	:	No additional information available
Corrected burning rate (Ac)	:	No additional information available
Desensitizing agent	:	No additional information available
Exothermic decomposition energy	:	No additional information available
Tci	:	No additional information available
Fundamental burning velocity	:	No additional information available
	:	No additional information available
Wetted zone pass	:	No additional information available
SADT	:	No additional information available
Decomposition energy	:	No additional information available
Detonation properties	:	No additional information available
Deflagration properties	:	No additional information available
Effect of heating under confinement	:	No additional information available
Explosive power	:	No additional information available
Spontaneous ignition	:	No additional information available
Pyrophoric properties over time	:	No additional information available
Emitted gas	:	No additional information available
Emitted gas ignition	:	No
Gas evolution rate	:	No additional information available
Corroded metals	:	No additional information available
Corrosion rate	:	No additional information available
Minimum ignition energy	:	No additional information available
Specific conductivity	:	No additional information available
Softening point	:	No additional information available
Sublimation point	:	No additional information available
Saturation concentration	:	No additional information available
Miscibility	:	No additional information available
VOC content	:	No additional information available
Fat solubility	:	No additional information available
Gas group	:	No additional information available
Refractive index	:	1.508 - 1.518
Bulk density	:	No additional information available

Other properties	:	No additional information available
Additional information	:	No additional information available

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

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

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

TARRAGON ESSENTIAL OIL 100% pure and natural HUNGARY (90131-45-6)	
LD50 oral rat	≈ 1900 mg/kg
LD50 dermal rabbit	> 5000 mg/kg

Skin corrosion/irritation	:	Causes skin irritation.
Serious eye damage/irritation	:	Not classified
Respiratory or skin sensitisation	:	May cause an allergic skin reaction.
Germ cell mutagenicity	:	Suspected of causing genetic defects.
Carcinogenicity	:	Suspected of causing cancer.
Reproductive toxicity	:	Suspected of damaging fertility or the unborn child.
STOT-single exposure	:	Not classified
STOT-repeated exposure	:	Not classified
Aspiration hazard	:	May be fatal if swallowed and enters airways.

TARRAGON ESSENTIAL OIL 100% pure and natural HUNGARY (90131-45-6)	
Viscosity, kinematic	< 20 mm²/s

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	:	Toxic to aquatic life with long lasting effects.
Acute aquatic toxicity	:	Toxic to aquatic life.
Classification procedure (Acute aquatic toxicity)	:	Calculation method
Chronic aquatic toxicity	:	Toxic to aquatic life with long lasting effects.
Classification procedure (Chronic aquatic toxicity)	:	Calculation method

12.2. Persistence and degradability

TARRAGON ESSENTIAL OIL 100% pure and natural HUNGARY (90131-45-6)	
Persistence and degradability	No additional information available

12.3. Bioaccumulative potential

TARRAGON ESSENTIAL OIL 100% pure and natural HUNGARY (90131-45-6)	
Bioaccumulative potential	No additional information available

12.4. Mobility in soil

TARRAGON ESSENTIAL OIL 100% pure and natural HUNGARY (90131-45-6)	
Mobility in soil	No additional information available

12.5. Other adverse effects

Ozone : Not classified

Other adverse effects : No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14: Transport information

In accordance with IMDG / IATA / UN RTDG

14.1. UN number

UN-No.(UN RTDG) : 3082

UN-No. (IMDG) : 3082

UN-No. (IATA) : 3082

14.2. UN Proper Shipping Name

Proper Shipping Name (UN RTDG) : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. ((S)-p-mentha-1,8-diene, l-limonene)

Proper Shipping Name (IMDG) : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. ((S)-p-mentha-1,8-diene, l-limonene)

Proper Shipping Name (IATA) : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. ((S)-p-mentha-1,8-diene, l-limonene)

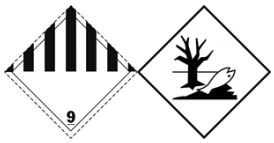
14.3. Transport hazard class(es)

UN RTDG

Transport hazard class(es) (UN RTDG) : 9

Danger labels (UN RTDG) : 9

:



IMDG

Transport hazard class(es) (IMDG) : 9

Danger labels (IMDG) : 9

:

IATA

Transport hazard class(es) (IATA) : 9

Hazard labels (IATA) : 9

:

14.4. Packing group

Packing group (UN RTDG) : III
Packing group (IMDG) : III
Packing group (IATA) : III

14.5. Environmental hazards

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

14.6. Special precautions for user

- UN RTDG

Special provisions (UN RTDG) : 274, 331, 335, 375
Limited quantities (UN RTDG) : 5L
Excepted quantities (UN RTDG) : E1
Packing instruction (UN RTDG) : P001, IBC03, LP01
Special packing provisions (UN RTDG) : PP1
Portable tank and bulk container special instructions (UN RTDG) : T4
Portable tank and bulk container special provisions (UN RTDG) : TP1, TP29

- IMDG

Special provisions (IMDG) : 274, 335, 969
Packing instructions (IMDG) : P001, LP01
Special packing provisions (IMDG) : PP1
IBC packing instructions (IMDG) : IBC03
Tank instructions (IMDG) : T4
Tank special provisions (IMDG) : TP2, TP29
EmS-No. (Fire) : F-A - FIRE SCHEDULE Alfa - GENERAL FIRE SCHEDULE
EmS-No. (Spillage) : S-F - SPILLAGE SCHEDULE Foxtrot - WATER-SOLUBLE MARINE POLLUTANTS
Stowage category (IMDG) : A

- IATA

PCA Excepted quantities (IATA) : E1
PCA Limited quantities (IATA) : Y964
PCA limited quantity max net quantity (IATA) : 30kgG
PCA packing instructions (IATA) : 964
PCA max net quantity (IATA) : 450L
CAO packing instructions (IATA) : 964
CAO max net quantity (IATA) : 450L
Special provisions (IATA) : A97, A158, A197
ERG code (IATA) : 9L

14.7. Transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations specific for the product in question

No additional information available

SECTION 16: Other information

SDS Major/Minor : None
Revision date : 22/04/2020

Full text of H-statements:	
H226	Flammable liquid and vapour
H227	Combustible liquid
H228	Flammable solid
H302	Harmful if swallowed
H303	May be harmful if swallowed
H304	May be fatal if swallowed and enters airways

H315	Causes skin irritation
H316	Causes mild skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H320	Causes eye 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
H401	Toxic to aquatic life
H402	Harmful to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H411	Toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects

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