

Material Safety Data Sheet

Printed : 27/01/2025

Review : 001N23-1-GHS from 22/01/2025

TARRAGON OIL ESTRA0002

1. PRODUCT AND COMPANY IDENTIFICATION

1.1. Product identifier

TARRAGON OIL ESTRA0002

C.A.S number : 8016-88-4 / 90131-45-6

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

Use : Industrial, only for professional use.

1.3. Details of the supplier of the safety data sheet

Company : SAS MATIERES PREMIERES ESSENTIELLES
6, chemin St Joseph
BP 25265
06131 GRASSE CEDEX
Tel:04 93 09 19 27
Fax :04 93 77 89 88
Web :www.mpe-grasse.fr
Email :sales@mpe-grasse.fr

1.4. Emergency telephone number

In case of emergency call NHS Direct in England or Wales 0845 46 47 or NHS 24 in Scotland 08454 24 24 24 (UK only).

2. HAZARD IDENTIFICATION

2.1. Classification of the substance or mixture

GHS Classification :

RegulationGHS

Asp. Tox. 1	Aspiration hazard 1	H304 : May be fatal if swallowed and enters airways.
Acute Tox. 4 (Oral)	Acute toxicity oral 4	H302 : Harmful if swallowed.
Carc. 1B	Carcinogenicity 1B	H350 : May cause cancer
Aquatic Acute 2	Hazardous to the aquatic environment, acute hazard 2	H401 : Toxic to aquatic life
Aquatic Chronic 3	Hazardous to the aquatic environment, long-term hazard	H412 : Harmful to aquatic life with long lasting effects.
Flam. Liq. 4	Flammable Liquids 4	H227 : Combustible liquid
Muta. 2	Germ cell mutagenicity 2	H341 : Suspected of causing genetic defects
Skin Irrit. 2	Skin corrosion / irritation 2	H315 : Causes skin irritation.
Skin Sens. 1A	Sensitisation, skin 1A	H317 : May cause an allergic skin reaction.

2.2. Label elements

GHS Classification :

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Warning mention : Danger

Asp. Tox. 1 Aspiration hazard 1
Acute Tox. 4 (Oral) Acute toxicity oral 4
Carc. 1B Carcinogenicity 1B
Aquatic Acute 2 Hazardous to the aquatic environment, acute hazard 2
Aquatic Chronic 3 Hazardous to the aquatic environment, long-term hazard 3
Flam. Liq. 4 Flammable Liquids 4
Muta. 2 Germ cell mutagenicity 2
Skin Irrit. 2 Skin corrosion / irritation 2
Skin Sens. 1A Sensitisation, skin 1A

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
H350 - May cause cancer
H401 - Toxic to aquatic life
H412 - Harmful to aquatic life with long lasting effects.

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.
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.
P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER/doctor/...
P301+P312 - IF SWALLOWED: Call a POISON CENTER/doctor/...if you feel unwell.



2.3. Other hazards

This mixture does not contain any substance on the list drawn up in accordance with Article 59(1) with a concentration greater than or equal to 0.1% exhibiting endocrine disrupting properties in accordance with the criteria set out in Delegated Regulation (EU) 2017 /2100 or in Commission Regulation (EU) 2018/605

Contains Estragole, d-Limonene, alpha-Pinene, p-Mentha-1,4-diene

3. COMPOSITION / INFORMATION ON INGREDIENT

List of components to report:

3.1. Substances

Numéro d'identification	Substance	Classes danger & Phrases H	LCS / Facteurs M / ATE VLEP / VMEP	Percent %
CAS# 140-67-0 EINECS# 205-427-8 REACH# 01-2120783278-41-00 00	Estragole	Acute Tox. 4 (Oral), Carc. 2, Aquatic Chronic 3, Flam. Liq. 4, Muta. 2, Skin Irrit. 2, Skin Sens. 1B H302, H351, H412, H227, H341, H315, H317	ATE (Orale) : 1229.997mg/kg	> 50 %
CAS# 3338-55-4 EINECS# 222-081-3	cis bêta Ocimene	Acute Tox. 5 (Oral), Aquatic Acute 1, Aquatic Chronic 2, Flam. Liq. 3, Skin Irrit. 2 H303, H400, H411, H226, H315	ATE (Orale) : 5000mg/kg	[10-15]
CAS# 3779-61-1	Trans ocimène	Acute Tox. 5 (Oral), Aquatic Acute 1, Aquatic Chronic 2, Flam. Liq. 3, Skin Irrit. 2 H303, H400, H411, H226, H315	ATE (Orale) : 2500mg/kg	[5-10]

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CAS# 80-56-8 EINECS# 201-291-9	alpha-Pinene	Asp. Tox. 1, Acute Tox. 4 (Oral), Aquatic Acute 1, Aquatic Chronic 1, Flam. Liq. 3, Skin Irrit. 2, Skin Sens. 1B H304, H302, H400, H410, H226, H315, H317	ATE (Orale) : 500mg/kg	[1-5]
CAS# 5989-27-5 EINECS# 227-813-5	d-Limonene	Asp. Tox. 1, Aquatic Acute 1, Aquatic Chronic 3, Flam. Liq. 3, Skin Irrit. 2, Skin Sens. 1B H304, H400, H412, H226, H315, H317	EHA1 (M=1)	[1-5]
CAS# 97-53-0 EINECS# 202-589-1	Eugenol	Acute Tox. 5 (Dermal, Acute Tox. 5 (Oral), Eye Irrit. 2, Eye Irrit. 2A, Aquatic Acute 2, Skin Irrit. 3, Skin Sens. 1B H313, H303, H319, H319, H401, H316, H317	ATE (Dermale) : 2500mg/kg ATE (Orale) : 2300.225mg/kg	[0-1]
CAS# 93-15-2 EINECS# 202-223-0	Eugenyl methyl ether	Acute Tox. 5 (Dermal, Acute Tox. 5 (Inhala, Acute Tox. 4 (Oral), Carc. 2, Aquatic Acute 2, Muta. 2 H313, H333, H302, H351, H401, H341	ATE (Dermale) : 2500mg/kg ATE (Orale) : 810.005mg/kg ATE (Inhalation) : 21.5mg/L	[0-1]
CAS# 78-70-6 EINECS# 201-134-4 REACH# 01-2119474016-42-00 00	Linalool	Acute Tox. 5 (Dermal, Acute Tox. 5 (Inhala, Acute Tox. 5 (Oral), Eye Irrit. 2, Eye Irrit. 2A, Aquatic Acute 3, Flam. Liq. 4, Skin Irrit. 2, Skin Sens. 1B H313, H333, H303, H319, H319, H402, H227, H315, H317	ATE (Dermale) : 2500mg/kg ATE (Orale) : 2790.256mg/kg ATE (Inhalation) : 21.5mg/L	[0-1]
CAS# 123-35-3 EINECS# 204-622-5 REACH# 01-2119514321-56-00 00	Myrcene	Asp. Tox. 1, Acute Tox. 5 (Dermal, Acute Tox. 5 (Inhala, Acute Tox. 5 (Oral), Eye Irrit. 2, Eye Irrit. 2A, Aquatic Acute 1, Aquatic Chronic 2, Flam. Liq. 3, Skin Irrit. 2 H304, H313, H333, H303, H319, H319, H400, H411, H226, H315	EHA1 (M=1) ATE (Dermale) : 2500mg/kg ATE (Orale) : 2500mg/kg ATE (Inhalation) : 21.5mg/L	[0-1]
CAS# 586-62-9 EINECS# 209-578-0	Terpinolene	Asp. Tox. 1, Acute Tox. 5 (Dermal, Acute Tox. 5 (Inhala, Acute Tox. 5 (Oral), Aquatic Acute 1, Aquatic Chronic 1, Flam. Liq. 3, Skin Irrit. 3, Skin Sens. 1B H304, H313, H333, H303, H400, H410, H226, H316, H317	EHA1 (M=1)EHC1 (M=1) ATE (Dermale) : 2500mg/kg ATE (Orale) : 3850.152mg/kg ATE (Inhalation) : 21.5mg/L	[0-1]
CAS# 127-91-3 EINECS# 204-872-5	beta-Pinene	Asp. Tox. 1, Acute Tox. 5 (Dermal, Acute Tox. 5 (Inhala, Acute Tox. 5 (Oral), Aquatic Acute 1, Aquatic Chronic 1, Flam. Liq. 3, Skin Irrit. 2, Skin Sens. 1B H304, H313, H333, H303, H400, H410, H226, H315, H317	EHA1 (M=1) ATE (Dermale) : 2500mg/kg ATE (Orale) : 2500mg/kg ATE (Inhalation) : 21.5mg/L	[0-1]
CAS# 99-85-4 EINECS# 202-794-6 REACH# 01-2120780478-40-00 00	p-Mentha-1,4-diene	Asp. Tox. 1, Acute Tox. 5 (Dermal, Acute Tox. 5 (Inhala, Acute Tox. 5 (Oral), Flam. Liq. 3, Repr. 2, Skin Irrit. 3 H304, H313, H333, H303, H226, H361, H316	ATE (Dermale) : 2500mg/kg ATE (Orale) : 3850.152mg/kg ATE (Inhalation) : 21.5mg/L	[0-1]

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3.2. Mixtures

NO CONCERNED

4. FIRST AID MEASURES

4.1. Description of first aid measures

General Notes :

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If in doubt, always call a doctor.

If Inhaled :

If the person is unconscious, place in the fresh air . Consult a doctor

Contact with skin :

Remove soiled clothing . Wash immediately and abundantly with water.

Contact with eyes :

Abundant rinsing with water then washing with an ocular lotion standard Dacryoserum. Consult an ophtalmologist.

If swallowed :

Do not induce vomiting, maintain the patient at rest. Resort to the medical care.

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

NO CONCERNED

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

NO CONCERNED

5. FIRE FIGHTING

Flammability class : The product is hardly flammable

5.1. Extinguishing media

Appropriate extinction method :

In case of fire, use water spray (or fog) and appropriate fire extinguishers (CO2, powder ...)

Inappropriate extinction method :

In case of fire, never use direct water stream.

5.2. Special hazards arising from the substance or mixture

Flammability : The product is hardly flammable.

In case of fire, may produce toxic fumes of carbon monoxide (CO) or carbon dioxide (CO2). Exposure to decomposition products may be hazardous to health. Do not breathe fumes.

5.3. Advice for firefighters

No specific measure

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Prevent a manager.

Refer to protective measures listed in sections 7 and 8.

For non-emergency personnel:

Avoid breathing vapors. Avoid all contact with skin and eyes. If necessary, evacuate staff by trained operators equipped with safety equipment

For emergency responders:

Appropriate personal protective equipment will be required (refer to Section 8).

Use appropriate personal protective equipment during clean-up.

6.2. Environmental precautions

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Prevent contamination of soil and water, while entering into drains, ditches and rivers. Notify authorities if the product penetrates into the sewers or public waters.

6.3. Methods and material for containment and cleaning up

Diking with sand or diatomaceous earth, pumping and rinsing with water after recovery of specific waste in plastic drums and labeled then deliver to an approved waste facility.
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

6.4. Reference to other sections

Refer to sections 8 and 13 for information on exposure control, personal protection and disposal.

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Wash hands after use.
Reproduce labeling if transfer to another container.
Ensure adequate ventilation.
Provide safety showers and eye washes.
Fire prevention :
Prevent access by unauthorized persons.
Handle in well ventilated areas.
Equipment and procedures :
For personal protection, see Section 8.
Observe precautions stated on the label and regulations of labor protection.
Close the packaging after use.
Avoid inhalation of vapors and contact with skin or eyes.

7.2. Conditions for safe storage, including any incompatibilities

Keep tightly closed containers away from heat sources and protected from extreme temperatures.
Keep containers closed when not in use.
Always keep in appropriate packages (identical to the original material).

7.3. Specific end use(s)

NO CONCERNED

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Control parameters

Exposition limit (France INRS - ED984 07/2012)

- V.M.E (8 hr)

No component

- V.L.E (15 mn)

No component

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8.2. Exposure controls

Individual protection measures, such as personal protective equipment

Personal protective equipment :

- Hand protection: Wear gloves.
- Eye protection: Protection not required but recommended.
- Respiratory protection : Wear a mask.

Body protection :

Wear regularly cleaned overalls. In case of contact, all soiled parts should be washed.

Engineering measures :

Avoid contact with eyes, skin or clothing. Do not ingest. Avoid contact with food, drinks.

Do not eat, do not drink and do not smoke during use.

Symbol compulsory wearing of personal protective equipment (PPE):



9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Relative density (d ₂₀ /20) :	[0.914 ; 0.956]
Refractive index at 20°C :	[1.504 ; 1.520]
Angular rotation (°) :	[+0.50 ; +6.50]
Color :	pale yellow to yellow
Appearance :	liquide
Odor :	aromatic
Flash point (° C) :	65

9.2. Other information

NO CONCERNED

10. STABILITY AND REACTIVITY

10.1. Reactivity

No dangerous reactions during storage and handling according to specifications.

10.2. Chemical stability

Stable product during storage and handling according to specifications.

10.3. Possibility of hazardous reactions

No dangerous reactions during storage and handling according to specifications.

10.4. Conditions to avoid

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Avoid excessive heat (naked flames, sparks, ...).

10.5. Incompatible materials

NO CONCERNED

10.6. Hazardous decomposition products

Thermal decomposition / conditions to be avoided :

Avoid contact with any flame or spark, flame, Overheat. Avoid Direct rays of the sun.

No decomposition if used according to specifications.

Dangerous decomposition products :

No dangerous decomposition products known.

11. TOXICOLOGICAL INFORMATION

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

Toxicological Information :

No data available.

Toxicological Informations Acute :

- Oral (mg/kg) : 1 770,01 (Defined)
- Inhalation (mg/kg) : Not classified
- Skin (mg/kg) : Not classified

11.2. Information on other hazards

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12. ECOLOGICAL INFORMATION

12.1. Toxicity

Do not leave the product, even diluted or in great quantity, penetrate the ground water, water or the drains.

12.2. Persistence and degradability

NO CONCERNED

12.3. Bioaccumulative potential

NO CONCERNED

12.4. Mobility in soil

NO CONCERNED

12.5. Results of PBT and vPvB assessment

NO CONCERNED

12.6. Endocrine disrupting properties

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12.7. Other adverse effects

NO CONCERNED

13. DISPOSAL RECOMMENDATIONS

13.1. Waste treatment methods

Waste : Do not flush with household garbage. Do not pour into drains or waterways. Dispose of according to current legislation, by a collector or a specialized company.

Contaminated packaging : Keep the label on the container. Give to a certified disposal.

14. TRANSPORT INFORMATION

14.1. UN number

ADR : Not Regulated

IMDG:Not Regulated

IATA :Not Regulated

Custom tariff :

33012949

14.2. UN proper shipping name

ADR : Not Regulated

IMDG:Not Regulated

IATA :Not Regulated

14.3. Transport hazard class(es)

ADR : Not Regulated

IMDG:Not Regulated

IATA :Not Regulated

14.4. Packing group

ADR : Not Regulated

IMDG:Not Regulated

IATA :Not Regulated

14.5. Environmental hazards

IMDG : Not Regulated

14.6. Special precautions for user

NO CONCERNED

14.7. Maritime transport in bulk according to IMO instruments

NO CONCERNED

15. REGULATORY INFORMATION

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

Class of water contamination (Germany) : WGK 2

Calcul ICPE/ Section 15.1 de la FDS : 0

15.2. Chemical safety assessment

Contient Estragole, d-Limonene, alpha-Pinene, p-Mentha-1,4-diene : Peut provoquer des allergies.

16. OTHER INFORMATION

Full H sentences text in point 3

H226 Flammable liquid and vapour.

H227 Combustible liquid

H302 Harmful if swallowed.

H303 May be harmful if swallowed

H303+H313 May be harmful if swallowed or in contact with skin

H303+H313+H333 May be harmful if swallowed, in contact with skin or if inhaled

H303+H333 May be harmful if swallowed or if inhaled

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.

H341 Suspected of causing genetic defects

H351 Suspected of causing cancer <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

H361 Suspected of damaging fertility or the unborn child <state specific effect if known> <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

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.

Safety data sheet according to regulation (EU) 2020/878.

These indications are founded on the current state of our knowledge, but do not constitute a guarantee as for the properties of the product and do not give place to a contractual legal report.

Modified points : 11.1