

SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND THE COMPANY/UNDERTAKING

1.1. Identification of the substance/mixture

Trade name: SAVORY OIL
Substance name: SAVORY OIL
CAS Number: 90106-57-3
CE Number: 290-280-2
REACH Registration number: Exempt from registration (imported/manufactured < 1 ton/year)

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

Raw material for the manufacture of fragrances and/or flavourings.

1.3. Details of the supplier of the safety data sheet

Company: Ernesto Ventós SA
Address: Carretera Real, 120 B
08960 Sant Just Desvern – Barcelona – SPAIN
Telephone: (00 34) 934 706 210
Fax: (00 34) 934 733 010
E-mail: info@ventos.com

1.4. Emergency telephone number

NCEC (+44) 1865 407333 (24h)
NCEC (+34) 91 114 2520 (24h) (ES)
NCEC (+1) 202 464 2554 (24h) (USA, Canada)

SECTION 2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Flammable Liquids - Category 3 - H226
Acute Toxicity - Category 4 (oral) - H302
Acute Toxicity - Category 4 (inhalation) - H332
Skin Irritant - Category 2 - H315
Eye Irritant - Category 2 - H319
Skin sensitizer - Category 1B - H317
Toxic to reproduction - Category 2 - H361
Aspiration hazard - Category 1 - H304
Hazardous to the aquatic environment, long-term (chronic) - Category 2 - H411

2.2. Label Elements

Hazard pictograms:



Signal Word:

Danger

Hazard statements:

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.
H332 – Harmful if inhaled.
H361 – Suspected of damaging fertility or the unborn child.
H411 – Toxic to aquatic life with long lasting effects.

Precautionary statements:

P210 – Keep away from heat/sparks/open flames/hot surfaces. — No smoking.
P261 – Avoid breathing dust/fume/gas/mist/vapours/spray.
P280 – Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310+P330+P331 – IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Rinse mouth. Do NOT induce vomiting.
P302+P352+P333+P313 – IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.
P305+P351+P338+P337+P313 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/attention.

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Supplemental Hazard Information:

Contains 1-OCTEN-3-OL, ALPHA-PINENE, ALPHA-TERPINENE, BETA-CARYOPHYLLENE, BETA-PINENE, CARVACROL, LIMONENE, EUCALYPTOL, GERANIOL, L-BETA-BISABOLENE, LINALOOL. May produce an allergic reaction.

2.3. Other hazards

Product not containing any component that meets the criteria for PBT or vPvB according to Regulation (EC) 1907/2006, Annex XIII.

Product not containing any component identified as having endocrine disrupting properties according to Regulation (EU) 2017/2100.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Chemical name: SAVORY OIL
CAS number: 90106-57-3
EC number: 290-280-2

Hazardous constituents:

| Chemical Name | % (w/w) | CAS No. EC No. Index No. | Classification according to Regulation 1272/2008 | Specific Concentration Limit, M-factor, ATE, SVHC |
|--------------------|----------|--|---|--|
| CARVACROL | ≥25; <50 | 499-75-2 207-889-6 | Acute Tox. 4 (oral) - H302 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1B - H317 | ATE (oral): 810 mg/kg |
| PARA-CYMENE | ≥10; <25 | 99-87-6 202-796-7 601-094-00-1 | Flam. Liq. 3 - H226 Acute Tox. 3 (inhalation) - H331 Repr. 2 - H361 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411 | ATE (oral): 4750 mg/kg, ATE (inh, vapour): 3 mg/L |
| GAMMA-TERPINENE | ≥10; <25 | 99-85-4 202-794-6 | Flam. Liq. 3 - H226 Repr. 2 - H361 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411 | ATE (oral): 3650 mg/kg |
| BETA-CARYOPHYLLENE | ≥1; <10 | 87-44-5 201-746-1 | Skin Sens. 1B - H317 Asp. Tox. 1 - H304 | |
| ALPHA-PINENE | ≥1; <10 | 80-56-8 201-291-9 | Flam. Liq. 3 - H226 Acute Tox. 4 (oral) - H302 Skin Irrit. 2 - H315 Skin Sens. 1B - H317 Asp. Tox. 1 - H304 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410 | ATE (oral): 500 mg/kg |
| THYMOL | ≥1; <10 | 89-83-8 201-944-8 604-032-00-1(ATP 24) | Acute Tox. 4 (oral) - H302 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Aquatic Chronic 2 - H411 | ATE (oral): 980 mg/kg |
| L-BETA-BISABOLENE | ≥1; <10 | 495-61-4 NOT LISTED | Acute Tox. 4 (inhalation) - H332 Skin Irrit. 2 - H315 Skin Sens. 1B - H317 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411 | |
| BORNEOL | ≥1; <10 | 507-70-0 208-080-0 | Flam. Sol. 2 - H228 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Aquatic Chronic 2 - H411 | |
| MYRCENE | ≥1; <10 | 123-35-3 204-622-5 | Flam. Liq. 3 - H226 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Asp. Tox. 1 - H304 Aquatic Acute 1 - H400 Aquatic Chronic 2 - H411 | |
| LINALOOL | ≥1; <10 | 78-70-6 201-134-4 | Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1B - H317 | ATE (oral): 2790 mg/kg |
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|--|--------------------|---|---|---|
| ... | ... | ... | ... | ... |
| GERANIOL | ≥ 1 ; < 10 | 106-24-1 203-377-1 603-241-00-5(ATP15) | Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Skin Sens. 1 - H317 | ATE (oral): 3600 mg/kg |
| LIMONENE | ≥ 1 ; < 10 | 138-86-3 205-341-0 601-029-00-7(ATP 24) | Flam. Liq. 3 - H226 Skin Irrit. 2 - H315 Skin Sens. 1B - H317 Asp. Tox. 1 - H304 Aquatic Acute 1 - H400 Aquatic Chronic 3 - H412 | |
| ALPHA-TERPINENE | ≥ 1 ; < 10 | 99-86-5 202-795-1 601-095-00-7 | Flam. Liq. 3 - H226 Acute Tox. 4 (oral) - H302 Eye Irrit. 2 - H319 Skin Sens. 1 - H317 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411 | ATE (oral): 1680 mg/kg |
| 1-OCTEN-3-OL | ≥ 1 ; < 10 | 3391-86-4 222-226-0 | Acute Tox. 3 (oral) - H301 Acute Tox. 4 (inhalation) - H332 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1B - H317 | ATE (oral): 175 mg/kg, ATE (dermal): 3300 mg/kg, ATE (inh, dust/mist): 3,7 mg/L |
| EUCALYPTOL | ≥ 0.1 ; < 1 | 470-82-6 207-431-5 | Flam. Liq. 3 - H226 Eye Irrit. 2 - H319 Skin Sens. 1B - H317 | ATE (oral): 2480 mg/kg |
| 2,2-DIMETHYL-3-METHYLENE NORBORNANE | ≥ 0.1 ; < 1 | 79-92-5 201-234-8 | Flam. Sol. 2 - H228 Eye Irrit. 2 - H319 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410 | |
| BETA-PINENE | ≥ 0.1 ; < 1 | 127-91-3 204-872-5 | Flam. Liq. 3 - H226 Skin Irrit. 2 - H315 Skin Sens. 1B - H317 Asp. Tox. 1 - H304 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410 | |
| METHYL EUGENOL | ≥ 0.1 ; < 1 | 93-15-2 202-223-0 | Acute Tox. 4 (oral) - H302 Muta. 2 - H341 Carc. 2 - H351 | ATE (oral): 1180 mg/kg |

See the full text of the hazard statements in section 16.

3.2. Mixtures

Not applicable.

SECTION 4. FIRST-AID MEASURES

4.1. Description of necessary first aid measures

| | |
|---------------|--|
| Ingestion: | Rinse mouth with water. Obtain medical advice. Keep at rest. Do not induce vomiting. |
| Eye contact: | In case of contact with eyes, rinse immediately with plenty of water for at least 15 minutes and seek medical advice. |
| Inhalation: | Remove person to fresh air and keep at rest. Seek immediate medical advice. |
| Skin contact: | Take off immediately all contaminated clothing. Thoroughly wash affected skin with soap and water. Seek medical attention if symptoms persist. |

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

No information available.

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

No information available.

SECTION 5. FIRE-FIGHTING MEASURES

5.1. Extinguishing Media

Water spray, carbon dioxide, dry chemical powder or appropriate foam.
For safety reasons do not use full water jet.

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5.2. Special hazards arising from the substance or mixture

Known or Anticipated Hazardous Products of Combustion: Emits toxic fumes under fire conditions.

5.3. Advice for firefighters

High temperatures can lead to high pressures inside closed containers.
Avoid inhalation of vapors that are created. Use appropriate respiratory protection.
Do not allow spillage of fire to be poured into drains or watercourses.
Wear self-contained breathing apparatus and protective clothing.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Evacuate surrounding areas. Ensure adequate ventilation. Keep unnecessary and unprotected personnel from entering.
Do not breathe vapor/spray. Avoid contact with skin and eyes. Information regarding personal protective measures: see section 8.

6.2. Environmental precautions

To avoid possible contamination of the environment, do not discharge into any drains, surface waters or groundwaters.

6.3. Methods and materials for containment and cleaning up

Cover with an inert, inorganic, non-combustible absorbent material (e.g. dry-lime, sand, soda ash).
Place in covered containers using non-sparking tools and transport outdoors.
Avoid open flames or sources of ignition (e.g. pilot lights on gas hot water heater).
Ventilate area and wash spill site after material pickup is complete.

6.4. Reference to other sections

Information regarding exposure controls, personal protection and disposal considerations can be found in sections 8 and 13.

SECTION 7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Do not store or handle this material near food or drinking water. Do not smoke.
Avoid contact with the eyes, skin and clothing. Wear protective clothing and use glasses.
Observe the rules of safety and hygiene at work.
Keep in the original container or an alternative made from a compatible material.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed and preferably full containers in a cool, dry and ventilated area, protected from light.
Keep away from sources of ignition (e.g. hot surfaces, sparks, flame and static discharges).
Keep away from incompatible materials (see section 10).

7.3. Specific end use(s)

No information available.

SECTION 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

8.1. Control parameters

Components with occupational exposure limits:

| Chemical Name | CAS No. | Norm. | 8 hr. | | | 15 min. | | |
|---------------|----------|-------------|--------|-----|-------------------|---------|-----|-------------------|
| | | | | ppm | mg/m ³ | | ppm | mg/m ³ |
| ALPHA-PINENE | 80-56-8 | ES (España) | VLA-ED | 20 | 113 | VLA-EC | | |
| BETA-PINENE | 127-91-3 | ES (España) | VLA-ED | 20 | 113 | VLA-EC | | |

8.2. Exposure controls

Appropriate engineering controls:

Eye/Face protection:

Hand Protection:

Body protection:

Respiratory Protection:

Environmental exposure controls:

Measures should be taken to prevent materials from being splashed into the body.
Provide adequate ventilation, according to the conditions of use. Use a mechanical exhaust if required.
Chemical safety goggles are recommended. Wash contaminated goggles before reuse.
Chemical-resistant gloves are recommended. Wash contaminated gloves before reuse.
Personal protective equipment for the body should be selected based on the task being performed and the risks involved.
In case of insufficient ventilation, use suitable respiratory equipment.
Emissions from ventilation or process equipment should be checked to ensure they comply with environmental protection legislation.
In some cases, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

| | |
|--|--|
| Physical state: | Liquid |
| Colour: | Conforms to standard |
| Odour: | Conforms to standard |
| Melting point/freezing point: | Not determined |
| Boiling point or initial boiling point and range (°C): | Not determined |
| Flammability: | Not determined |
| Lower and upper explosion limit: | Not determined |
| Flash point: | 60 °C |
| Auto-ignition temperature: | Not determined |
| Decomposition temperature: | Not determined |
| pH: | Not determined |
| Kinematic viscosity: | Not determined |
| Solubility: | INSOLUBLE IN WATER/SOLUBLE IN ETHANOL |
| Partition coefficient n-octanol/water (log value): | Not determined |
| Vapour pressure: | Not determined |
| Density and/or relative density: | 0,9—0,95 g/mL (20°C) / 0,9—0,95 (20°C) |
| Relative vapour density: | Not determined |
| Particle characteristics: | Not determined |

9.2. Other information

9.2.1. Information with regard to physical hazard classes:

No information available.

9.2.2. Other safety characteristics:

No information available

SECTION 10. STABILITY AND REACTIVITY

10.1. Reactivity

No hazardous reactions if stored and handled as prescribed/indicated.

10.2. Chemical stability

The product is stable if stored and handled as prescribed/indicated.

10.3. Possibility of hazardous reactions

No hazardous reactions if stored and handled as prescribed/indicated.

10.4. Conditions to Avoid

Conditions to Avoid: Excessive heat, flame or other ignition sources.

10.5. Incompatible materials

Avoid contact with strong acids and bases and oxidizing agents.

10.6. Hazardous decomposition products

During combustion may form carbon monoxide and unidentified organic compounds.

SECTION 11. TOXICOLOGICAL INFORMATION

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

| | |
|--|---|
| Acute toxicity | Harmful if swallowed. Harmful if inhaled. |
| 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 | Based on the data available, the criteria for classification are not met. |
| Carcinogenicity | Based on the data available, the criteria for classification are not met. |
| Reproductive toxicity | Suspected of damaging fertility or the unborn child. |
| STOT-single exposure | Based on the data available, the criteria for classification are not met. |
| STOT-repeated exposure | Based on the data available, the criteria for classification are not met. |
| Aspiration hazard | May be fatal if swallowed and enters airways. |

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11.2. Information on other hazards

11.2.1. Endocrine disrupting properties:

Product not containing any component identified as having endocrine disrupting properties according to Regulation (EU) 2017/2100.

11.2.2. Other information:

No information available

SECTION 12. ECOLOGICAL INFORMATION

12.1. Toxicity

Assessment:

Toxic to aquatic life with long lasting effects.

Experimental/calculated data:

No information available.

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

No information available.

12.4. Soil mobility

No information available.

12.5. Results of PBT and vPvB assessment

Product not containing any component that meets the criteria for PBT or vPvB according to Regulation (EC) 1907/2006, Annex XIII.

12.6. Endocrine disrupting properties

Product not containing any component identified as having endocrine disrupting properties according to Regulation (EU) 2017/2100.

12.7. Other adverse effects

See also sections 6, 7, 13 and 15

Do not allow to get into waste water or waterways.

SECTION 13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Dispose of in accordance with national and local environmental regulations.

SECTION 14: TRANSPORT INFORMATION

| | ADR/RID/ADN | IMDG | IATA-ICAO |
|---|------------------|--------------------------------|------------------|
| 14.1. UN Number | UN1197 | UN1197 | UN1197 |
| 14.2. UN Proper Shipping Name | EXTRACTS, LIQUID | EXTRACTS, LIQUID (PARA-CYMENE) | EXTRACTS, LIQUID |
| 14.3. Transport Hazard Class(es) | 3 | 3 | 3 |
| 14.4. Packing Group | III | III | III |
| 14.5. Environmental hazards | Yes | Yes | Yes |
| Additional information | | | |

14.6 Special precautions for user

None known

14.7. Maritime transport in bulk according to IMO instruments

No information available

SECTION 15: REGULATORY INFORMATION

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

WGK:WGK 1

15.2. Chemical safety assessment

No information available

SECTION 16: OTHER INFORMATION

Full text of the R-phrases, hazard statements and precautionary statements mentioned in section 3:

H226 – Flammable liquid and vapour.

H228 – Flammable solid.

H301 – Toxic if swallowed.

H302 – Harmful if swallowed.

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H304 – May be fatal if swallowed and enters airways.
H314 – Causes severe skin burns and eye damage.
H315 – Causes skin irritation.
H317 – May cause an allergic skin reaction.
H318 – Causes serious eye damage.
H319 – Causes serious eye irritation.
H320 – Causes eye irritation.
H331 – Toxic if inhaled.
H332 – Harmful if inhaled.
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 information included in this safety data sheet is based on the available data at the moment this document is issued. It is meant to be a description of safety requirements for our product and does not stand for a guarantee of its properties. The user is responsible for taking all necessary steps leading to compliance with local rules and legislation.