

SAFETY DATA SHEET

AJOWAN ESSENTIAL OIL

Complying with Regulation (EC) No 1907/2006 (REACH)

Last revised: March 2024
Version: 07

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Commercial name: Ajowan essential oil
Botanical name: *Trachyspermum ammi* = *Carum copticum*
INCI name: Trachyspermum ammi (Ajowan) oil
EINECS CAS-No: 8001-99-8
Alternative CAS-No: 91745-13-0
EC-No: 294-681-3

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

Recommended use: Fragrances; aromatherapy
Use advised against: None in particular

1.3 Details of the supplier of the safety data sheet

Company identification: Vossen & Co SA/NV
Av. Van Volxem 264, C1
1190 Brussels
Belgium
Tel.: 0032 (0)2 344 91 76
contact@vossenbio.com

1.4 Emergency telephone number

Emergency phone number: 0032 (0)70 245 245 (24/7)

Section 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008:

Physical and chemical hazards: Flammable liquid, category 3 – H226
Human health: Acute toxicity, oral (1600), category 4 – H302
Aspiration hazard, category 1 – H304
Skin corrosion/irritation, category 2 – H315
Serious eye damage/eye irritation, category 2 – H319
Reproductive toxicity, category 2 – H361
Environment: Hazardous to the aquatic environment, chronic, category 2 – H411

See section 2.2 for hazard statements written out in full.

2.2 Label elements

Signal word: Danger.



Pictograms:

Hazard statements: H226: Flammable liquid and vapour.
 H302: Harmful if swallowed.
 H304: May be fatal if swallowed and enters airways.
 H315: Causes skin irritation.
 H319: Causes serious eye irritation.
 H361: Suspected of damaging fertility or the unborn child.
 H411: Toxic to aquatic life with long lasting effects.

Precautionary statements: P201: Obtain special instructions before use.
 P202: Do not handle until all safety precautions have been read and understood.
 P210: Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
 P233: Keep container tightly closed.
 P240: Ground/bond container and receiving equipment.
 P241: Use explosion-proof electrical/ventilating/lighting/.../equipment.
 P242: Use only non-sparking tools.
 P243: Take precautionary measures against static discharge.
 P264: Wash hands thoroughly after handling.
 P270: Do not eat, drink or smoke when using this product.
 P273: Avoid release to the environment.
 P280: Wear protective gloves/protective clothing/eye protection/face protection.
 P321: Specific treatment (see section 4 of the safety data sheet).
 P330: Rinse mouth.
 P331: Do NOT induce vomiting.
 P391: Collect spillage.
 P301+310: IF SWALLOWED: immediately call a POISON CENTER or doctor/physician.
 P301+312: IF SWALLOWED: call a POISON CENTER or doctor/physician if you feel unwell.
 P302+352: IF ON SKIN: wash with plenty of soap and water.
 P303+361+353: IF ON SKIN (or hair): remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
 P305+351+338: IF IN EYES: rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
 P308+313: If exposed or concerned: call a POISON CENTER/doctor/...
 P332+313: If skin irritation occurs: Get medical advice/attention.
 P337+313: If eye irritation persists: get medical advice/attention.
 P362+364: Take off contaminated clothing and wash it before reuse.
 P370+378: In case of fire: use foam or dry powder for extinction.
 P405: Store locked up.
 P403+235: Store in a well ventilated place. Keep cool.
 P501: Dispose of contents/container in accordance with local regulations.

2.3 Other hazards

No data available.

Section 3: Composition/information on ingredients

3.1 Substances

NCS (natural complex substance): 100% pure and natural essential oil.

List of principal components:

Name of Component	EINECS CAS No.	EC No.	% composition	Classification (Regulation (EC) No 1272/2008)
Thymol	89-83-8	201-944-8	+ - 50	H302, H314, H318
Gamma-Terpinene	99-85-4	202-794-6	+ - 30	H226, H304, H361, H411

See section 16 for H-phrases written out in full.

Section 4: First aid measures

4.1 Description of first aid measures

Inhalation:	Move the exposed person to fresh air at once.
Ingestion:	Immediately rinse mouth and drink water. Keep person under observation. Do not induce vomiting.
Skin contact:	Wash with plenty of water, remove contaminated clothing immediately. If irritation persists, or if there is any small lesion, consult a doctor.
Eye contact:	Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and rinse under eyelids.

4.2 Most important symptoms and effects, both acute and delayed

Harmful if swallowed.
May be fatal if swallowed and enters airways.
Causes skin irritation.
Causes serious eye irritation.
Suspected of damaging fertility or the unborn child.

4.3 Indication of any immediate medical attention and special treatment needed

Get medical attention if any discomfort is felt, and bring these instructions.

Section 5: Fire fighting measures

5.1 Extinguishing media

Suitable extinguishing media: Foam, dry powder.
Unsuitable extinguishing media: Water jet or fog (spray).

5.2 Special hazards arising from the substance or mixture

Nature of decomposition of the product is not known. Vapours may form an explosive mixture with air.

5.3 Advice for firefighters

Cool endangered drums with water.
Move undamaged containers from immediate hazard area if it can be done safely.
Use full face, self-contained breathing apparatus and appropriate protective clothing.

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective gloves, protective clothing, eye protection and face protection. Do not inhale explosion and combustion gasses. Eliminate all ignition sources. Ventilate area.

6.2 Environmental precautions

Avoid contamination of drains, sewers and surface waters. Do not discharge on the ground.

6.3 Methods and material for containment and cleaning up

Stop leaks and contain spillage by any means available. Absorb liquid in sand or earth or any other inert material. If substance has entered a water course or sewer, inform the responsible authority.
Small spills: wipe up with paper rags and place contaminated items in closed metal waste containers.
Big spills: use absorbents.

6.4 Reference to other sections

See section 8 and 13.

Section 7: Handling and storage

7.1 Precautions for safe handling

Keep away from sources of heat and ignition.
Work in a well-ventilated area.
Avoid spills.
Keep away from drains.
Do not eat, drink and smoke in work areas.
Wash hands after any contact, before breaks and meals and at the end of the work period.
Remove any contaminated clothing and protective equipment before entering eating areas.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool, dry and dark place in tightly sealed, suitable containers.

7.3 Specific end use(s)

None in particular.

Section 8: Exposure controls/personal protection

8.1. Control parameters

No data available.

8.2. Exposure controls

8.2.1. Engineering measures:

Ensure adequate ventilation, especially in confined areas.

8.2.2. Individual protection measures:

Good personal hygiene practice:

Wash hands after any contact, before breaks and meals and at the end of the work period. Contaminated clothing and shoes should be cleaned before re-use.

Eye/face protection:

Wear safety goggles.

Skin protection:

Avoid contact with skin. Wear protective gloves.

Respiratory protection:

Not needed for normal use in a ventilated area.

Thermal hazards:

No data available.

8.2.3. Environmental exposure controls:

Prevent leakage. Do not let product enter drains.

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance:

Pale yellow to brown liquid.

Odour:

Characteristic, strong odour similar to thyme oil.

Odour threshold:

No data available.

PH:

No data available.

Melting point/freezing point:

No data available.

Initial boiling point and boiling range:

No data available.

Flash point:

49°C (closed cup)

Evaporation rate:

No data available.

Flammability (solid, gas):

Not applicable.

Upper/lower flammability / explosive limits:

No data available.

Vapour pressure:

No data available.

Vapour density:

No data available

Relative density (20°C):

0.890 to 0.980

Solubility in water:

Not soluble.

Partition coefficient (n-octanol/water):

No data available.

Auto-ignition temperature:

No data available.

Decomposition temperature:

No data available.

Viscosity:

No data available.

Explosive properties:

No data available.

Oxidising properties:

No data available.

9.2 Other information

Optical Rotation (20°C):

0° to +5°

Refractive Index (20°C):

1.450 to 1.600

Section 10: Stability and reactivity

10.1 Reactivity:

Stable under normal conditions.

10.2 Chemical stability:

Normally stable.

10.3 Possibility of hazardous reactions:

No data available.

10.4 Conditions to avoid:

None.

10.5 Incompatible materials:

No data available.

10.6 Hazardous decomposition product:

No data available.

Section 11: Toxicological information

11.1 Information on toxicological effects: No data available.

Section 12: Ecological information

12.1 Toxicity:	Toxic to aquatic life with long lasting effects.
12.2 Persistence and degradability:	No data available.
12.3 Bioaccumulative potential:	No data available.
12.4 Mobility in soil:	No data available.
12.5 Result of PBT and vPvB assessment:	No data available.
12.6 Other adverse effects:	No data available.

Section 13: Disposal considerations

13.1 Waste treatment methods:	Dispose of contents/container in compliance with local regulations.
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Section 14: Transport information

14.1 UN number:	1197
14.2 UN proper shipping name:	Extracts, liquid, for flavour or aroma.
14.3 Transport hazard class(es):	3
14.4 Packing group:	III
14.5 Environmental hazards:	Toxic to aquatic life with long lasting effects.
14.6 Special precautions for user:	No data available.
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC code:	Not applicable.

Section 15: Regulatory information

15.1 Safety health and environmental regulations/legislation specific for the substance or mixture:	Not available.
15.2 Chemical safety assessment:	Not available.

Section 16: Other information

16.1 Revision history:

This SDS cancels and replaces any preceding release. Revision has been made to sections 1 and 3. It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended. The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

16.2 Full text of H-Statements referred to under section 3:

H226: Flammable liquid and vapour.
H302: Harmful if swallowed.
H304: May be fatal if swallowed and enters airways.
H314: Causes severe skin burns and eye damage.
H318: Causes serious eye damages.
H361: Suspected of damaging fertility or the unborn child.
H411: Toxic to aquatic life with long lasting effects.