



Version: 7 (22/01/2024)

## **SAFETY DATA SHEET**

In accordance with REACH Regulation EC No.1907/2006

**Product:** Rosemary (Cineol) Oil Organic OrgEO-08

Version: 7

## Section 1. Identification of the substance or the mixture and of the supplier

#### 1.1 Product Identifier

Product identifier: Rosmarinus Officinalis Leaf Oil: CAS: 8000-25-7

Rosemary (Cineol) Oil Organic OrgEO-08 Other identifiers:

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

Product uses: Fragrances

## 1.3 Details of the supplier of the safety data sheet

AW Aromatics Ltd Company name:

Parkwood Business Park Company address:

75 Parkwood Road

Sheffield S3 8AL

Contact: Regulatory Manager

E-Mail address: regulatory@aw-aromatics.com

0114 383 0344 Company phone:

## 1.4 Emergency telephone number

0114 383 0344 **Emergency phone:** 

## Section 2. Hazards identification

### 2.1 Classification of the substance or mixture

# Classification under Regulation (EC) No 1272/2008

Class and category of Flammable Liquid, Hazard Category 3

danger:

Skin Corrosion / Irritation Category 2

Sensitization - Skin Category 1

Specific Target Organ Toxicity (Single Exposure) Category 2

Aspiration Hazard Category 1

Hazardous to the Aquatic Environment - Acute Hazard Category 1 Hazardous to the Aquatic Environment - Long-term Hazard Category 1

H226, Flammable liquid and vapour.

H304, May be fatal if swallowed and enters airways.

H315, Causes skin irritation.

H317, May cause an allergic skin reaction.

H371, May cause damage to organs (organs, exposure route).

H410, Very toxic to aquatic life with long lasting effects.





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#### 2.2 Label elements

Classification under Regulation (EC) No 1272/2008

Signal word: Danger

Hazard statements: H226, Flammable liquid and vapour.

H304, May be fatal if swallowed and enters airways.

H315, Causes skin irritation.

H317, May cause an allergic skin reaction.

H371, May cause damage to organs (organs, exposure route).

H410, Very toxic to aquatic life with long lasting effects.

M factor: None

Supplemental Information:

None

Precautionary statements:

P210, Keep away from heat, sparks, open flames and hot surfaces. - No smoking.

P233, Keep container tightly closed.

P240, Ground/bond container and receiving equipment.

P241, Use explosion-proof electrical, ventilating and lighting equipment.

P242, Use only non-sparking tools.

P243, Take precautionary measures against static discharge.

P260, Do not breathe vapour or dust.

P264, Wash hands and other contacted skin 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/eye protection/face protection.

P301/310, IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

P303/361/353, IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing.

Rinse skin with water/shower.

P309/311, IF exposed or if you feel unwell: Call a POISON CENTRE or doctor/physician.

P331, Do not induce vomiting.

P333/313, If skin irritation or rash occurs: Get medical advice/attention.

P362, Take off contaminated clothing and wash before reuse.

P370/378, In case of fire: Use carbon dioxide, dry chemical, foam for extinction.

P391, Collect spillage.

P403/235, Store in a well-ventilated place. Keep cool.

P405, Store locked up.

P501, Dispose of contents/container to approved disposal site, in accordance with local

regulations.





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Pictograms:









## 2.3 Other hazards

Other hazards: Hydrocarbon Concentration %: 32.6000%

Section 3. Composition / information on ingredients

#### 3.1 Substances

**Product identifier:** Rosmarinus Officinalis Leaf Oil; CAS: 8000-25-7

**Contains:** 

Name	CAS	EC	REACH Registration No.	%	Classification for (CLP) 1272/2008	Specific Conc. Limits, M-factors and ATEs
Eucalyptol	470-82-6	207-431-5		50-100%	Flam. Liq. 3-Skin Sens. 1B;H226-H317,-	oral: ATE = 2480 mg/kg bw
Camphor	76-22-2, 464-48-2	200-945-0, 207-354-7		10-<20%	SE 2;H228-H302-	inhalation: ATE = 1.5 mg/l (dusts or mists)- oral: ATE = 1500 mg/kg bw
alpha-Pinene	80-56-8	201-291-9		10-<20%	Δαμαtic Δαμτα 1_	M = 1-oral: ATE = 500 mg/kg bw
beta-Pinene	127-91-3	204-872-5		5-<10%	Flam. Liq. 3-Skin Irrit. 2-Skin Sens. 1B-Asp. Tox 1-Aquatic Acute 1- Aquatic Chronic 1; H226-H304-H315- H317-H410,-	M = 1
d-Limonene	5989-27-5	227-813-5		5-<10%	Flam. Liq. 3-Skin Irrit. 2-Skin Sens. 1B-Asp. Tox 1-Aquatic Acute 1- Aquatic Chronic 1; H226-H304-H315- H317-H410,-	
Camphene	79-92-5	201-234-8		1-<5%	Flam. Sol. 2-Aquatic Acute 1-Aquatic Chronic 1;H228-H410,-	M = 1
beta-Caryophyllene	87-44-5	201-746-1		1-<5%	Skin Sens. 1B-Asp. Tox 1-Aquatic Chronic 4;H304-H317-H413,-	
alpha-Terpineol	98-55-5	202-680-6		1-<5%	,	oral: ATE = 4300 mg/kg bw





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Myrcene	123-35-3	204-622-5	1	<5%	Flam. Liq. 3-Skin Irrit. 2-Eye Irrit. 2-Asp. Tox 1-Aquatic Acute 1- Aquatic Chronic 2; H226-H304-H315- H319-H400-H411,-	M = 1
Linalool	78-70-6	201-134-4	0.:	1-<1%	Skin Sone 1R·H315_	oral: ATE = 2790 mg/kg bw
Hexen-2-al	6728-26-3	229-778-1	0.	1-<1%	Aguatic Chronic 2:	dermal: ATE = 600 mg/kg bw-oral: ATE = 900 mg/kg bw
Geraniol	106-24-1	203-377-1	0.	1-<1%	1-Skin Sens 1:H315-	oral: ATE = 3600 mg/kg bw
Furfural	98-01-1	202-627-7	0.	1-<1%	Iox. 2-Skin Irrit. 2-Eye Irrit. 2-Carc. 2-STOT SE 3-Aquatic Chronic 3-H226-H301-H312-	inhalation: ATE = 1 mg/l (vapour)-dermal: ATE = 1100 mg/kg bw- oral: ATE = 100 mg/kg bw
Estragole	140-67-0	205-427-8	0.	1-<1%	Acute Tox. 4-Skin Sens. 1B-Muta. 2-Carc.	oral: ATE = 1230 mg/kg bw
Eugenyl methyl ether	93-15-2	202-223-0	0.	1-<1%	Carc 2:H302-H341-	oral: ATE = 1180 mg/kg bw
Eugenol	97-53-0	202-589-1	0.		- <b>j</b>	oral: ATE = 2500 mg/kg bw
dl-Citronellol	106-22-9, 26489-01-0	203-375-0, 247-737-6	0.:	1-<1%	Skin Sens. 1B;H315-	dermal: ATE = 2650 mg/kg bw-oral: ATE = 3450 mg/kg bw

### Section 4. First-aid measures

## 4.1 Description of first aid measures

**Inhalation:** Remove from exposure site to fresh air, keep at rest, and obtain medical attention.

**Eye exposure:** Flush immediately with water for at least 15 minutes. Contact physician if symptoms persist. **Skin exposure:** IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with

water/shower.

Ingestion: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

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

May be fatal if swallowed and enters airways.

Causes skin irritation.

May cause an allergic skin reaction.

May cause damage to organs (organs, exposure route).

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





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None expected, see Section 4.1 for further information.

### **Section 5: Firefighting measures**

## 5.1 Extinguishing media

Suitable media: Carbon dioxide, Dry chemical, Foam.

#### 5.2 Special hazards arising from the substance or mixture

In case of fire, may be liberated: Carbon monoxide, Unidentified organic compounds.

#### 5.3 Advice for fire fighters:

In case of insufficient ventilation, wear suitable respiratory equipment.

#### Section 6. Accidental release measures

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

Avoid inhalation. Avoid contact with skin and eyes. See protective measures under Section 7 and 8.

#### **6.2 Environmental precautions:**

Keep away from drains, surface and ground water, and soil.

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

Remove ignition sources. Provide adequate ventilation. Avoid excessive inhalation of vapours. Contain spillage immediately by use of sand or inert powder. Dispose of according to local regulations.

### 6.4 Reference to other sections:

Also refer to sections 8 and 13.

### Section 7. Handling and storage

### 7.1 Precautions for safe handling:

Keep away from heat, sparks, open flames and hot surfaces. - No smoking.

Do not eat, drink or smoke when using this product.

## 7.2 Conditions for safe storage, including any incompatibilities:

Store in a well-ventilated place. Keep container tightly closed. Keep cool. Ground/bond container and receiving equipment. Use explosion-proof electrical, ventilating and lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

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

Fragrances: Use in accordance with good manufacturing and industrial hygiene practices.





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## Section 8. Exposure controls/personal protection

## 8.1 Control parameters

Not Applicable Workplace exposure limits:

### 8.2 Exposure Controls

## **Eye / Skin Protection**

Wear protective gloves/eye protection/face protection

### **Respiratory Protection**

Under normal conditions of use and where adequate ventilation is available to prevent build up of excessive vapour, this material should not require special engineering controls. However, in conditions of high or prolonged use, or high temperature or other conditions which increase exposure, the following engineering controls can be used to minimise exposure to personnel: a) Increase ventilation of the area with local exhaust ventilation. b) Personnel can use an approved, appropriately fitted respirator with organic vapour cartridge or canisters and particulate filters. c) Use closed systems for transferring and processing this material.

Also refer to Sections 2 and 7.

## Section 9. Physical and chemical properties

## 9.1 Information on basic physical and chemical properties

**Physical State/Colour:** Clear, colourless to pale yellow liquid

Odour: Characteristic, Cineol.

Odour threshold: Not determined Melting point / freezing point: Not determined Boiling point or initial boiling point and boiling

range:

Not determined

Flammability: Not determined Lower and upper explosion limit: Not determined

43 °C Flash point:

Not determined **Auto-ignition temperature: Decomposition temperature:** Not relevant Not determined **Kinematic viscosity:** Not determined Solubility: Insoluble in water. Partition coefficient: n-octanol/water (log Not determined

value):

Vapour pressure: Not determined

0.9100 Density and/or relative density:

Relative vapour density: Not determined Particle characteristics: Not determined





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9.2 Other information:

Proposition 65 Listed Chemicals: Estragole, COMP-LM6940, 140-67-0, 205-427-8, 0.1%

Eugenyl methyl ether, COMP-LM8325, 93-15-2, 202-223-0, 0.1%

## Section 10. Stability and reactivity

## 10.1 Reactivity:

Presents no significant reactivity hazard, by itself or in contact with water.

### 10.2 Chemical stability:

Good stability under normal storage conditions.

## 10.3 Possibility of hazardous reactions:

Not expected under normal conditions of use.

#### 10.4 Conditions to avoid:

Avoid extreme heat.

## 10.5 Incompatible materials:

Avoid contact with strong acids, alkalis or oxidising agents.

## 10.6 Hazardous decomposition products:

Not expected.

### Section 11. Toxicological information

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

**Acute Toxicity:** Based on available data the classification criteria are not met.

Acute Toxicity Oral 3351
Acute Toxicity Dermal >5000

Acute Toxicity Inhalation Not Available

**Skin corrosion/irritation:** Skin Corrosion / Irritation Category 2

**Serious eye damage/irritation:**Based on available data the classification criteria are not met.

Respiratory or skin sensitisation: Sensitization - Skin Category 1

Germ cell mutagenicity:

Based on available data the classification criteria are not met.

Based on available data the classification criteria are not met.

Reproductive toxicity:

Based on available data the classification criteria are not met.

STOT-single exposure:

Specific Target Organ Toxicity (Single Exposure) Category 2

STOT-repeated exposure:

Based on available data the classification criteria are not met.

Aspiration hazard: Aspiration Hazard Category 1

## Information about hazardous ingredients in the mixture





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Ingredient	CAS	EC	LD50/ATE Oral (mg/kg)	LD50/ATE Dermal (mg/kg)	LC50/ATE Inhalation	LC50 Route
Camphor	,	200-945-0, 207-354-7	1500	Not available	Not available	Dust/mist mg/l
Furfural	98-01-1	202-627-7	100	1100	1	Vapour
Hexen-2-al	6728-26-3	229-778-1	900	600	IINOT AVAIIANIE	Not available

Refer to Sections 2 and 3 for additional information.

## 11.2 Information on other hazards

Not Applicable

## **Section 12. Ecological information**

## 12.1 Toxicity:

Very toxic to aquatic life with long lasting effects.

12.2 Persistence and degradability:Not available12.3 Bioaccumulative potential:Not available12.4 Mobility in soil:Not available

12.5 Results of PBT and vPvB assessment:

This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

12.6 Endocrine disrupting properties: Not Applicable12.7 Other adverse effects: Not available

## Section 13. Disposal considerations

### 13.1 Waste treatment methods:

Dispose of in accordance with local regulations. Avoid disposing into drainage systems and into the environment. Empty containers should be taken to an approved waste handling site for recycling or disposal.

### **Section 14. Transport information**

	14.1 UN number:	14.2 UN Proper Shipping Name:	14.3 Transport hazard class (es):	Sub Risk:	14.4 Packing Group:
UN Model Regulations	UN1169	EXTRACTS, AROMATIC, LIQUID (Eucalyptol, alpha-Pinene)	3	-	III
IMDG	UN1169	EXTRACTS, AROMATIC, LIQUID (alpha-Pinene) MARINE POLLUTANT	3	-	III
ADR,RID,ADN	UN1169	EXTRACTS, AROMATIC, LIQUID	3	-	III
ICAO TI	UN1169	EXTRACTS, AROMATIC, LIQUID (Eucalyptol, alpha-Pinene)	3	-	III





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**14.5 Environmental hazards:** This is classified as an environmentally hazardous substance under the UN

Model Regulations. This is classified as a Marine Pollutant under the IMDG

Code.

**14.6 Special precautions for user:** None additional

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

## Proposition 65 Listed Chemicals

Name	CAS	%
Estragole	140-67-0	0.1-<1%
Eugenyl methyl ether	93-15-2	0.1-<1%

### 15.2 Chemical Safety Assessment

A Chemical Safety Assessment has not been carried out for this product.

## **Section 16. Other information**

**Concentration % Limits:** SCI 2=34.97% SS 1=2.00% STO-SE 2=80.00% AH 1=30.67% EH A1=83.

06% EH C1=86.21% EH C2=8.59% EH C3=0.85881141% EH C4=76.69%

**Total Fractional Values:** SCI 2=2.86 SS 1=50.00 STO-SE 2=1.25 AH 1=3.26 EH A1=1.20 EH C1=1.

16 EH C2=11.64 EH C3=116.44 EH C4=1.30

Key to revisions:

Concentration % Limits Total Fractional Values

## Key to abbreviations:

Abbreviation	Meaning
Acute Tox. 2	Acute Toxicity - Inhalation Category 2
Acute Tox. 3	Acute Toxicity - Dermal Category 3
Acute Tox. 3	Acute Toxicity - Oral Category 3
Acute Tox. 4	Acute Toxicity - Oral Category 4
Acute Tox. 4	Acute Toxicity - Inhalation Category 4
Acute Tox. 4	Acute Toxicity - Dermal Category 4
Aquatic Acute 1	Hazardous to the Aquatic Environment - Acute Hazard Category 1
Aquatic Chronic 1	Hazardous to the Aquatic Environment - Long-term Hazard Category 1
Aquatic Chronic 2	Hazardous to the Aquatic Environment - Long-term Hazard Category 2
Aquatic Chronic 3	Hazardous to the Aquatic Environment - Long-term Hazard Category 3
Aquatic Chronic 4	Hazardous to the Aquatic Environment - Long-term Hazard Category 4
Asp. Tox 1	Aspiration Hazard Category 1
Carc. 2	Carcinogenicity Category 2



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Eye Dam. 1	Eye Damage / Irritation Category 1
Eye Irrit. 2	Eye Damage / Irritation Category 2
Flam. Liq. 3	Flammable Liquid, Hazard Category 3
Flam. Sol. 2	Flammable Solid, Hazard Category 2
H226	Flammable liquid and vapour.
H228	Flammable solid.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H311	Toxic in contact with skin.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H341	Suspected of causing genetic defects (exposure route).
H351	Suspected of causing cancer (exposure route).
H371	May cause damage to organs (organs, exposure route).
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.
H413	May cause long lasting harmful effects to aquatic life.
Muta. 2	Germ Cell Mutagenicity Category 2
P202	Do not handle until all safety precautions have been read and understood.
P210	Keep away from heat, sparks, open flames and hot surfaces No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P260	Do not breathe vapour or dust.
P261	Avoid breathing vapour or dust.
P264	Wash hands and other contacted skin thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective gloves/eye protection/face protection.





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P281	Use personal protective equipment as required.
P284	Wear respiratory protection.
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.
P304/340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305/351/338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308/313	IF exposed or concerned: Get medical advice/attention.
P309/311	IF exposed or if you feel unwell: Call a POISON CENTRE or doctor/physician.
P310	Immediately call a POISON CENTER or doctor/physician.
P312	Call a POISON CENTRE or doctor/physician if you feel unwell.
P330	Rinse mouth.
P331	Do not induce vomiting.
P332/313	If skin irritation occurs: Get medical advice/attention.
P333/313	If skin irritation or rash occurs: Get medical advice/attention.
P337/313	If eye irritation persists: Get medical advice/attention.
P362	Take off contaminated clothing and wash before reuse.
P363	Wash contaminated clothing before reuse.
P370/378	In case of fire: Use carbon dioxide, dry chemical, foam for extinction.
P391	Collect spillage.
P403/233/235	Store in a well-ventilated place. Keep container tightly closed. Keep cool.
P403/235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container to approved disposal site, in accordance with local regulations.
STOT SE 2	Specific Target Organ Toxicity (Single Exposure) Category 2
STOT SE 3	Specific Target Organ Toxicity (Single Exposure) Category 3
Skin Irrit. 2	Skin Corrosion / Irritation Category 2
Skin Sens. 1	Sensitization - Skin Category 1
Skin Sens. 1B	Sensitization - Skin Category 1B
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The information in this safety data sheet is to the best of our knowledge true and accurate but all data, instructions, recommendations and/or suggestions are made without guarantee.