# Certificate of Analysis

| PRODUCT DETAILS | | |
|---|---|---|
| Product Name | **ROSEMARY OIL SPANISH ORGANIC** | |
| Product Code | OCROSESPAN | |
| INCI Name | Rosmarinus Officinalis Leafe Oil | |
| | | |
| Batch/Lot Number | 4391101 | |
| Best Before End | March 2023 | |
| | | |
| | | |
| Identification | CAS No: 84604-14-8 | EINECS No: 283-291-9 |
| | Alternative Cas: 8000-25-7 | |

| PHYSICAL AND CHEMICAL CHARACTERISTIC | | |
|---|---|---|
| | **SPECIFICATION RANGE** | **RESULTS** |
| Appearance | Liquid | **Conforms** |
| Colour | Colourless to Pale Yellow | **Conforms** |
| Odour | Characteristic | **Conforms** |
| Relative Density @ 20°c | 0.892 - 0.920 | **0.909** |
| Refractive Index @ 20°c | 1.464 - 1.470 | **1.467** |
| Flash Point | >43°C | **Conforms** |
| Angular Rotation (°) | -2 to +5' | **0.5** |

| STORAGE AND SHELF LIFE | |
|---|---|
| Storage | Store in tightly closed container with minimum headspace in a cool, dark and dry place. |

# Product Specification

| PRODUCT DETAILS | | |
|---|---|---|
| Product Name | **ROSEMARY OIL SPANISH ORGANIC** | |
| Product Code | | |
| INCI Name | Rosmarinus Officinalis Leafe Oil | |
| Country of Origin | Spain | |
| Tariff Number | 33012941 | |
| Natural Status | We hereby declare, to the best of our knowledge and from information received from our supplier, that this product is in accordance to the requirements of Articles 3 (2) (d) of Regulation (EC) 1334/2008 and therefore can be designated as natural. | |
| Food Grade Status | We confirm, from information received from our supplier, that this product conforms with EU Regulations and can be used in food. | |
| Kosher Certified | No but can be added | |
| Halal Certified | Suitable | |
| GMO Declaration | To the best of our knowledge and from information received from our supplier, this product does not derive from genetically modified starting raw material, or additives that are derived from genetically modifed organisms. | |
| Manufacturing Process | Obtained by steam distillation | |
| Identification | CAS No: 84604-14-8 | EINECS No: 283-291-9 |
| | Alternative Cas: 8000-25-7 | |
| **PHYSICAL AND CHEMICAL CHARACTERISTIC** | | |
| Appearance | Liquid | |
| Colour | Colourless to Pale Yellow | |
| Odour | Characteristic | |
| Relative Density @ 20°c | 0.892 - 0.920 | |
| Refractive Index @ 20°c | 1.464 - 1.470 | |
| Flash Point | >43°C | |
| Angular Rotation (°) | -2 to +5' | |
| Melting Point °C | < - 20 | |
| Boiling Point °C | 158 - 210 | |
| Auto-Ignition Temperature °C | >265 | |
| | | |
| **HEAVY METALS** | | |
| Arsenic | < 3 ppm | |
| Lead | < 10 ppm | |
| Cadmium | < 1 ppm | |
| Mercury | < 1 ppm | |
| **FRAGRANCE ALLERGENS** | | |
| Citral (5392-40-5) **0.02 - 0.1%** | Citronellol (106-22-9) **Traces - 0.03%** | Limonene (5989-27-5) **1.5 - 4.5%** |
| Eugenol (97-53-0) **Traces - 0.02%** | Geraniol (106-24-1) **Traces - 0.05%** | Linalool (78-70-6) **0.5 - 1.0%** |
| **FOOD ALLERGENS** | | |
| None Present | | |
| **IFRA** | | |
| Citral (5392-40-5) **<0.1%** | Eugenol (97-53-0) **<0.02%** | Geraniol ( 106-24-1) **<0.05%** |
| Citronellol (106-22-9) **<0.03%** | Methyl Eugenol (93-15-2) **<0.0%** | |
| | | |
| **STORAGE AND SHELF LIFE** | | |
| Storage | Store in tightly closed container with minimum headspace in a cool, dark and dry place. | |
| Shelf Life | 24 months unopened and stored as above. | |

# SAFETY DATA SHEET
# ROSEMARY OIL SPANISH ORGANIC

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

| | |
|---|---|
| **Product name** | ROSEMARY OIL SPANISH ORGANIC |
| **Product number** | OCROSESPAN |
| **Synonyms; trade names** | Rosmarinus Officinalis Leaf Oil Exempt |
| **REACH registration notes** | - Imports <1 tonne pa |
| **CAS number** | 84604-14-8 |
| **Alternative Cas Number** | 8000-25-7 |
| **EC number** | 283-291-9 |

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

| | |
|---|---|
| **Identified uses** | Industrial, only for professional use |

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

| | |
|---|---|
| **Supplier** | MADAR Corporation Limited<br>19-20 Sandleheath Industrial Estate<br>Fordingbridge<br>Hampshire<br>SP6 1PA<br><br>Tel. +44 1425 655555 (Opening Hours Mon - Thurs 8.30am - 5.00pm, Fri 8.30am - 3.45pm)<br><br>e-mail sales@madarcorporation.co.uk |

### 1.4. Emergency telephone number

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

**Classification (EC 1272/2008)**

| | |
|---|---|
| **Physical hazards** | Flam. Liq. 3 - H226 |
| **Health hazards** | Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317 STOT SE 2 - H371 Asp. Tox. 1 - H304 |
| **Environmental hazards** | Aquatic Chronic 2 - H411 |
| **Human health** | May be fatal if swallowed and enters airways. May cause an allergic skin reaction. May cause damage to organs if inhaled or swallowed. Causes serious eye irritation |
| **Environmental** | Very toxic to aquatic life with long lasting effects. |
| **Physicochemical** | Flammable liquid and vapour |

### 2.2. Label elements

# ROSEMARY OIL SPANISH ORGANIC

**EC number** 283-291-9

**Hazard pictograms**

**Signal word** Danger

**Hazard statements**
H226 Flammable liquid and vapour.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H317 May cause an allergic skin reaction.
H371 May cause damage to organs .
H304 May be fatal if swallowed and enters airways.
H411 Toxic to aquatic life with long lasting effects.

**Precautionary statements**
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P270 Do not eat, drink or smoke when using this product.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
P302+P352 IF ON SKIN: Wash with plenty of water.
P331 Do NOT induce vomiting.
P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.
P501 Dispose of contents/ container in accordance with national regulations.

**Contains** 1, 8 cineole, Alpha Pinene, Camphor, Beta Pinene, Beta Caryophyllene, (S)-p-mentha-1,8-diene

**Supplementary precautionary statements**
P233 Keep container tightly closed.
P240 Ground and bond container and receiving equipment.
P241 Use explosion-proof electrical equipment.
P242 Use non-sparking tools.
P243 Take action to prevent static discharges.
P260 Do not breathe vapour/ spray.
P261 Avoid breathing vapour/ spray.
P264 Wash contaminated skin thoroughly after handling.
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.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P308+P311 IF exposed or concerned: Call a POISON CENTER or doctor.
P321 Specific treatment (see medical advice on this label).
P333+P313 If skin irritation or rash occurs: Get medical advice/ attention.
P362+P364 Take off contaminated clothing and wash it before reuse.
P391 Collect spillage.
P403+P235 Store in a well-ventilated place. Keep cool.
P405 Store locked up.

## 2.3. Other hazards

# ROSEMARY OIL SPANISH ORGANIC

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

**1, 8 cineole** **38-55%**

CAS number: 470-82-6 EC number: 207-431-5

**Classification**
Flam. Liq. 3 - H226
Skin Sens. 1B - H317

**Alpha Pinene** **9-14%**

CAS number: 80-56-8 EC number: 201-291-9

M factor (Acute) = 1 M factor (Chronic) = 1

**Classification**
Flam. Liq. 3 - H226
Acute Tox. 4 - H302
Skin Irrit. 2 - H315
Skin Sens. 1 - H317
Asp. Tox. 1 - H304
Aquatic Acute 1 - H400
Aquatic Chronic 1 - H410

**Camphor** **5-15%**

CAS number: 76-22-2 EC number: 200-945-0

**Classification**
Flam. Sol. 2 - H228
Acute Tox. 4 - H302
Acute Tox. 4 - H332
STOT SE 2 - H371
Aquatic Chronic 2 - H411

**Beta Pinene** **4-9%**

CAS number: 127-91-3 EC number: 242-060-2

M factor (Acute) = 1 M factor (Chronic) = 1

**Classification**
Flam. Liq. 3 - H226
Skin Irrit. 2 - H315
Skin Sens. 1 - H317
Asp. Tox. 1 - H304
Aquatic Acute 1 - H400
Aquatic Chronic 1 - H410

# ROSEMARY OIL SPANISH ORGANIC

**Camphene** **2.5-6%**

CAS number: 79-92-5 EC number: 201-234-8

M factor (Chronic) = 1

**Classification**
Flam. Sol. 1 - H228
Eye Irrit. 2 - H319
Aquatic Chronic 1 - H410

**Beta Caryophyllene** **1-4%**

CAS number: 87-44-5 EC number: 201-746-1

**Classification**
Skin Sens. 1B - H317
Asp. Tox. 1 - H304
Aquatic Chronic 4 - H413

**(S)-p-mentha-1,8-diene** **1.5-4.5%**

CAS number: 5989-54-8 EC number: 227-815-6

M factor (Acute) = 1 M factor (Chronic) = 1

**Classification**
Flam. Liq. 3 - H226
Skin Irrit. 2 - H315
Skin Sens. 1 - H317
Asp. Tox. 1 - H304
Aquatic Acute 1 - H400
Aquatic Chronic 1 - H410

**p-menth-1-en-8-ol** **1-3.5%**

CAS number: 98-55-5 EC number: 202-680-6

**Classification**
Skin Irrit. 2 - H315
Eye Irrit. 2 - H319

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

**Inhalation** Remove person to fresh air and keep comfortable for breathing. Get medical attention if any discomfort continues.

**Ingestion** Rinse mouth thoroughly with water. Do not induce vomiting. Get medical attention.

**Skin contact** Wash skin thoroughly with soap and water. Take off contaminated clothing. Get medical attention.

**Eye contact** Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention.

# ROSEMARY OIL SPANISH ORGANIC

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

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

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

**Suitable extinguishing media** Use alcohol-resistant foam, carbon dioxide or dry powder to extinguish.

**Unsuitable extinguishing media** For safety reasons do not use full water jet.

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

**Hazardous combustion products** Oxides of carbon.

### 5.3. Advice for firefighters

**Protective actions during firefighting** Avoid breathing fire gases or vapours.

**Special protective equipment for firefighters** Wear full protective clothing

## SECTION 6: Accidental release measures

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

**Personal precautions** Ensure adequate ventilation of the working area, evacuate personnel to safe area, wear suitable protective equipment. Avoid contact with skin, eyes and clothing. Avoid inhalation of vapours.

### 6.2. Environmental precautions

**Environmental precautions** Do not discharge into drains or watercourses or onto the ground.

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

**Methods for cleaning up** Cover with inert, inorganic, non-combustible material (e.g dry-lime, sand, soda ash). Place in covered containers and dispose of in accordance with local authority guidelines. Wash spill site after material pick up is complete.

### 6.4. Reference to other sections

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

**Usage precautions** Apply good manufacturing practice and industrial hygiene practices. Keep containers sealed when not in use. Avoid contact with skin and eyes. Avoid inhalation of vapours. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not eat, drink or smoke when using this product.

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

**Storage precautions** Store in tightly-closed, original container in a dry, cool and well-ventilated place.

### 7.3. Specific end use(s)

## SECTION 8: Exposure controls/Personal protection

### 8.1. Control parameters

### Occupational exposure limits

**Camphor**

Long-term exposure limit (8-hour TWA): WEL 2 ppm 13 mg/m³
Short-term exposure limit (15-minute): WEL 3 ppm 19 mg/m³

# ROSEMARY OIL SPANISH ORGANIC

WEL = Workplace Exposure Limit.

## 1, 8 cineole (CAS: 470-82-6)

**DNEL**

Workers - Inhalation; Long term systemic effects: 7.05 mg/m³
Workers - Dermal; Long term systemic effects: 2 bw/day, mg/kg
General population - Inhalation; Long term systemic effects: 1.74 mg/m³
General population - Dermal; Long term systemic effects: 1 mg/kg, bw/day
General population - Oral; Long term systemic effects: 600 bw/day, mg/kg

**PNEC**

- Fresh water; Short term 5.7 mg/l
- Fresh water, Intermittent release; 0.57 mg/l
- marine water; Short term 5.7 mg/l
- STP; Short term 10 mg/l
- Sediment (Freshwater); Short term 1.425 mg/kg
- Sediment (Marinewater); Short term 0.142 mg/kg
- Soil; Short term 0.25 mg/kg

## Alpha Pinene (CAS: 80-56-8)

**DNEL**

Workers - Inhalation; Long term systemic effects: 3.8 mg/m³
Workers - Dermal; Long term systemic effects: 0.54 bw/day, mg/kg
General population - Inhalation; Long term systemic effects: 0.67 mg/m³
General population - Dermal; Long term systemic effects: 0.19 bw/day, mg/kg
General population - Oral; Long term systemic effects: 0.19 mg/kg, bw/day

**PNEC**

- Fresh water; Short term 0.606 mg/l
- Fresh water, Intermittent release; 3.03 mg/l
- marine water; Short term 0.061 mg/l
- marine water, Intermittent release; 0.303 mg/l
- STP; Short term 0.2 mg/l
- Sediment (Freshwater); Short term 157 mg/kg
- Sediment (Marinewater); Short term 15.7 mg/kg
- Soil; Short term 31.7 mg/kg

## Camphor (CAS: 76-22-2)

**DNEL**

Workers - Inhalation; Long term systemic effects: 17.632 mg/m³
Workers - Dermal; Long term systemic effects: 10 mg/kg, bw/day
General population - Inhalation; Long term systemic effects: 4.348 mg/m³
General population - Dermal; Long term systemic effects: 5 bw/day, mg/kg
General population - Oral; Long term systemic effects: 5 mg/kg, bw/day

**PNEC**

- Fresh water; Short term 9.303 mg/l
- Fresh water, Intermittent release; 93.03 mg/l
- marine water; Short term 0.93 mg/l
- Sediment (Freshwater); Short term 0.139 mg/kg
- Sediment (Marinewater); Short term 0.014 mg/kg
- Soil; Short term 2.17 mg/kg

## Beta Pinene (CAS: 127-91-3)

# ROSEMARY OIL SPANISH ORGANIC

**DNEL**

Workers - Inhalation; Long term systemic effects: 5.69 mg/m³
Workers - Dermal; Long term systemic effects: 0.8 bw/day, mg/kg
General population - Inhalation; Long term systemic effects: 1 mg/m³
General population - Dermal; Long term systemic effects: 0.3 mg/kg, bw/day
General population - Oral; Long term systemic effects: 0.3 bw/day, mg/kg

**PNEC**

- Fresh water; Short term 1.004 mg/l
- Fresh water, Intermittent release; 5.02 mg/l
- marine water; Short term 0.1 mg/l
- STP; Short term 3.26 mg/l
- Sediment (Freshwater); Short term 0.337 mg/kg
- Sediment (Marinewater); Short term 0.034 mg/kg
- Soil; Short term 0.067 mg/kg

**Camphene (CAS: 79-92-5)**

**DNEL**

Workers - Inhalation; Long term systemic effects: 110.19 mg/m³
Workers - Inhalation; Short term systemic effects: 110.19 mg/m³
Workers - Dermal; Long term systemic effects: 0.21 bw/day, mg/kg
Workers - Dermal; Short term systemic effects: 1.25 bw/day, mg/kg
General population - Inhalation; Long term systemic effects: 54.3 mg/m³
General population - Inhalation; Short term systemic effects: 54.3 mg/m³
General population - Dermal; Long term systemic effects: 0.1 bw/day, mg/kg
General population - Dermal; Short term systemic effects: 0.625 mg/kg, bw/day
General population - Oral; Long term systemic effects: 0.1 bw/day, mg/kg
General population - Oral; Short term systemic effects: 0.625 bw/day, mg/kg

**PNEC**

- Fresh water; Short term 0.001 mg/l
- Intermittent release, Fresh water; 0.001 mg/l
- marine water; Short term 0 mg/l
- STP; Short term 10 mg/l
- Sediment (Freshwater); Short term 0.026 mg/kg
- Sediment (Marinewater); Short term 0.003 mg/kg
- Soil; Short term 0.021 mg/kg

**p-menth-1-en-8-ol (CAS: 98-55-5)**

**PNEC**

- Fresh water; Short term 68 mg/l
- marine water; Short term 6.8 mg/l
- STP; Short term 2.6 mg/l
- Sediment (Freshwater); Short term 1.85 mg/kg
- Sediment (Marinewater); Short term 0.185 mg/kg
- Soil; Short term 0.329 mg/kg

## 8.2. Exposure controls

**Protective equipment**

**Appropriate engineering controls**

Provide eyewash station Provide adequate ventilation.

**Personal protection**

Use personal protection according to Directive 89/686/EEC

**Eye/face protection**

Approved safety goggles.

# ROSEMARY OIL SPANISH ORGANIC

| | |
|---|---|
| **Hand protection** | Chemical resistant gloves (PVC) |
| **Other skin and body protection** | Wear apron or protective clothing in case of contact. |
| **Hygiene measures** | Good personal hygiene procedures should be implemented. |
| **Respiratory protection** | Generally unnecessary in a well ventilated area.<br>If ventilation is insufficient, respiratory protection must be worn. |
| **Environmental exposure controls** | Avoid discharging into drains. |

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

| | |
|---|---|
| **Appearance** | Liquid. |
| **Colour** | Colourless to pale yellow. |
| **Odour** | Characteristic. |
| **Melting point** | < -20°C |
| **Initial boiling point and range** | 158 - 210°C @ 1034 hPa |
| **Flash point** | 43°C |
| **Vapour pressure** | 253 Pa @ 25°C |
| **Relative density** | 0.892 - 0.920 @ 20°C |
| **Solubility(ies)** | 1.97 g/l water @ 20.2°C |
| **Partition coefficient** | log Pow: 2.74 |
| **Auto-ignition temperature** | 265°C |
| **Optical rotation** | -2 to +5°C |

### 9.2. Other information

| | |
|---|---|
| **Refractive index** | 1.464 - 1.470 @ 20°C |

**Hydrocarbon Content**

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

**Reactivity** No data available.

### 10.2. Chemical stability

**Stability** Stable under the prescribed storage conditions.

### 10.3. Possibility of hazardous reactions

### 10.4. Conditions to avoid

**Conditions to avoid** Avoid heat, flames and other sources of ignition.

# ROSEMARY OIL SPANISH ORGANIC

### 10.5. Incompatible materials

### 10.6. Hazardous decomposition products

**Hazardous decomposition products** During combustion may form carbon monoxide and unidentified organic compounds.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

**Acute toxicity - oral**

**ATE oral (mg/kg)** 5,952.38

**Acute toxicity - inhalation**

**ATE inhalation (vapours mg/l)** 130.95

**Skin corrosion/irritation**

**Skin corrosion/irritation** Irritating to skin.

## SECTION 12: Ecological information

### 12.1. Toxicity

**Toxicity** Very toxic to aquatic life with long lasting effects.

**Acute aquatic toxicity**

**Acute toxicity - fish** $LL_{50}$, 96 hours: 3.9 mg/l,

**Acute toxicity - aquatic invertebrates** EL50, 48 hours: 4.7 mg/l, Daphnia magna

**Acute toxicity - microorganisms** EL50, 72 hours: 5.6 mg/l,

### 12.2. Persistence and degradability

### 12.3. Bioaccumulative potential

**Partition coefficient** log Pow: 2.74

### 12.4. Mobility in soil

### 12.5. Results of PBT and vPvB assessment

### 12.6. Other adverse effects

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**Disposal methods** Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

# ROSEMARY OIL SPANISH ORGANIC

## SECTION 14: Transport information

### 14.1. UN number

| | |
|---|---|
| **UN No. (ADR/RID)** | 1169 |
| **UN No. (IMDG)** | 1169 |
| **UN No. (ICAO)** | 1169 |
| **UN No. (ADN)** | 1169 |

### 14.2. UN proper shipping name

| | |
|---|---|
| **Proper shipping name (ADR/RID)** | EXTRACTS, AROMATIC, LIQUID |
| **Proper shipping name (IMDG)** | EXTRACTS, AROMATIC, LIQUID |
| **Proper shipping name (ICAO)** | EXTRACTS, AROMATIC, LIQUID |
| **Proper shipping name (ADN)** | EXTRACTS, AROMATIC, LIQUID |

### 14.3. Transport hazard class(es)

| | |
|---|---|
| **ADR/RID class** | 3 |
| **ADR/RID classification code** | F1 |
| **ADR/RID label** | 3 |
| **IMDG class** | 3 |
| **ICAO class/division** | 3 |
| **ADN class** | 3 |

**Transport labels**


### 14.4. Packing group

| | |
|---|---|
| **ADR/RID packing group** | III |
| **IMDG packing group** | III |
| **ICAO packing group** | III |
| **ADN packing group** | III |

### 14.5. Environmental hazards

**Environmentally hazardous substance/marine pollutant**

No.

### 14.6. Special precautions for user

| | |
|---|---|
| **EmS** | F-E, S-D |
| **ADR transport category** | 3 |
| **Emergency Action Code** | 3Y |
| **Hazard Identification Number (ADR/RID)** | 30 |
| **Tunnel restriction code** | D/E |

# ROSEMARY OIL SPANISH ORGANIC

### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

## SECTION 15: Regulatory information

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

**EU legislation** Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

**Guidance** CHIP for everyone HSG228.

### 15.2. Chemical safety assessment

## SECTION 16: Other information

**Revision date** 11/03/2020

**Revision** 2

**Supersedes date** 08/06/2017

**SDS number** 4933

**Hazard statements in full**

H226 Flammable liquid and vapour.
H228 Flammable solid.
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.
H371 May cause damage to organs .
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.
H413 May cause long lasting harmful effects to aquatic life.

# Product Specification

| PRODUCT DETAILS | | |
|---|---|---|
| Product Name | **ROSEMARY OIL SPANISH ORGANIC** | |
| Chemo type | **Cineol** | |
| Product Code | OCROSESPAN | |
| INCI Name | Rosmarinus Officinalis Leafe Oil | |
| Country of Origin | Spain | |
| Tariff Number | 33012941 | |
| Natural Status | We hereby declare, to the best of our knowledge and from information received from our supplier, that this product is in accordance to the requirements of Articles 3 (2) (d) of Regulation (EC) 1334/2008 and therefore can be designated as natural. | |
| Food Grade Status | We confirm, from information received from our supplier, that this product conforms with EU Regulations and can be used in food. | |
| Kosher Certified | No but can be added | |
| Halal Certified | Suitable | |
| GMO Declaration | To the best of our knowledge and from information received from our supplier, this product does not derive from genetically modified starting raw material, or additives that are derived from genetically modifed organisms. | |
| Manufacturing Process | Obtained by steam distillation | |
| Identification | CAS No: 84604-14-8 | EINECS No: 283-291-9 |
| | Alternative Cas: 8000-25-7 | |
| **PHYSICAL AND CHEMICAL CHARACTERISTIC** | | |
| Appearance | Liquid | |
| Colour | Colourless to Pale Yellow | |
| Odour | Characteristic | |
| Relative Density @ 20°c | 0.892 - 0.920 | |
| Refractive Index @ 20°c | 1.464 - 1.470 | |
| Flash Point | >43°C | |
| Angular Rotation (°) | -2 to +5' | |
| Melting Point °C | < - 20 | |
| Boiling Point °C | 158 - 210 | |
| Auto-Ignition Temperature °C | >265 | |
| | | |
| **HEAVY METALS** | | |
| Arsenic | < 3 ppm | |
| Lead | < 10 ppm | |
| Cadmium | < 1 ppm | |
| Mercury | < 1 ppm | |
| **FRAGRANCE ALLERGENS** | | |
| Citral (5392-40-5) **0.02 - 0.1%** | Citronellol (106-22-9) **Traces - 0.03%** | Limonene (5989-27-5) **1.5 - 4.5%** |
| Eugenol (97-53-0) **Traces - 0.02%** | Geraniol (106-24-1) **Traces - 0.05%** | Linalool (78-70-6) **0.5 - 1.0%** |
| **FOOD ALLERGENS** | | |
| None Present | | |
| **IFRA** | | |
| Citral (5392-40-5) **<0.1%** | Eugenol (97-53-0) **<0.02%** | Geraniol ( 106-24-1) **<0.05%** |
| Citronellol (106-22-9) **<0.03%** | Methyl Eugenol (93-15-2) **<0.0%** | |
| | | |
| **STORAGE AND SHELF LIFE** | | |
| Storage | Store in tightly closed container with minimum headspace in a cool, dark and dry place. | |



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