



MARJORAM SWEET ESSENTIAL OIL - SAFETY DATA SHEET

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION:

1.1 Product identifier

| | | |
|--------------|---|-------------------------------|
| Product name | : | Marjoram Sweet Essential Oil. |
| INCI name | : | Origanum Majorana Herb Oil. |
| CAS number | : | 84082-58-6 |
| EC number | : | 282-004-4 |
| REACH number | : | |

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

| | | |
|--------------------------|---|-----------------------------------------------------------------------------------|
| Use of substance/mixture | : | Industrial uses. Used in formulations for flavoring preparations and/or perfumery |
| Uses advised against | : | Uses other than those recommended. |

1.3 Details of the supplier of the safety data sheet

| | | |
|------------------|---|---------------------------------------------------------------------------------|
| Company | : | AROMATICAS DEL ZALABÍ C/ Martín Pérez de Ayala 1-4 E 18008 Granada. Spain |
| Telephone Number | : | +34 968 786977 |
| Email address | : | info@aromaticaszalabi.com |
| WEB | : | www.aromatcaszalabi.com |

1.4 Emergency telephone number : **+34 968 786977**

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to the Regulation (EC) No 1272/2008.

| | |
|-------------------------------|-----------------------------------------------------|
| Acute toxicity, Category 4 | H302: Harmful if swallowed. |
| Aspiration hazard, Category 1 | H304: May be fatal if swallowed and enters airways. |
| Skin/eye damage, Category 2 | H314: Causes severe skin burns and eye damage. |


Skin sensitization, Category 1

H317: May cause an allergic skin reaction.

Long-term (chronic) aquatic hazard Category 2

H411: Toxic to aquatic life with long lasting effects.

2.2 Label elements - Labelling (REGULATION (EC) No 1272/2008)

| | | |
|--------------------------|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Hazard pictograms | : |  |
| Signal word | : | DANGER |
| Hazard statements | : | <p>H302: Harmful if swallowed. H304: May be fatal if swallowed and enters airways. H314: Causes severe skin burns and eye damage. H317: May cause an allergic skin reaction. H411: Toxic to aquatic life with long lasting effects.</p> |
| Precautionary statements | : | <p>Prevention: P273: Avoid release to the environment. P280: Wear protective gloves/protective clothing/eye protection/face protection.</p> <p>Response: P301 + P330 + P331: If swallowed: Rinse mouth. Do NOT induce vomiting. P302 + P352: If on skin: Wash with plenty of soap and water. P304 + P340: If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P305 + P351 + P338: If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P391: Collect spillage.</p> |

Hazardous components which must be listed on the label:

Linalool

4 -Terpinenol

d - Limonene

Thymol

Carvacrol

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bio accumulative and toxic (PBT), or very persistent and very bio accumulative (vPvB) at levels of 0.1% or higher.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances UVCB

(Substance of Unknown or Variable composition, Complex reaction products or Biological materials).

Hazardous components:

| Chemical name | Identifier | Concentration (% w/w) | Classification |
|----------------|---------------------------------------|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| Linalool | Cas nº: 78-70-6 EC No: 201-134-4 | 20 - 30 | Skin Irrit. 2, H315 |
| 4 - Terpinenol | CAS-No: 562-74-3 EC No: 209-235-5 | * | Flam. Liq. 3, H226, Acute Tox. 4, H302, Skin Irrit. 2, H315, Eye Irrit. 2, H319 |
| d - Limonene | CAS-No: 5989-27-5 EC No: 227-813-5 | Less than 5 | Flam. Liq. 3, H226, Skin Irrit. 2, H315, Skin Sens. 1, H317, Aquatic Acute 1, H400, M Acute = 1, Aquatic Chronic 1, H410, M Chronic =1 |
| Thymol | CAS-No: 89-83-8 EC No: 201-944-8 | Less than 5 | Acute Tox. 4, H302, Skin Corr. 1B, H314, Aquatic Chronic 2, H411 |
| Carvacrol | CAS-No: 49975-2 EC No: 207-889-6 | * | Acute Tox. 4, H302, Eye Dam. 1, H318 |

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

General advice : Do not leave the victim unattended.

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| If inhaled | : | Remove person to fresh air and keep comfortable for breathing. If unconscious, place in recovery position and seek medical advice. If symptoms persist, call a physician. |
| If swallowed | : | Keep respiratory tract clear. Rinse mouth with water. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician, and show this container/label. |
| In case of eye contact | : | Remove contact lenses. Protect unharmed eye. Rinse with plenty of water for several minutes. If eye irritation persists, consult a specialist. |
| In case of skin contact | : | Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation or rash occurs: Get medical advice/attention. |

4.2 Most important symptoms and effects, both acute and delayed

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|-------|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Risks | : | Harmful if swallowed. May be fatal if swallowed and enters airways. Causes severe skin burns. May cause an allergic skin reaction. Causes serious eye damage. |
|-------|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|

4.3 Indication of any immediate medical attention and special treatment needed

In case of doubt or when symptoms of feeling unwell persist, get medical attention.
Never administer anything orally to persons who are unconscious. Treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

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|--------------------------------|---|---------------------------------------------|
| Suitable extinguishing media | : | Extinguishing powder. Foam. Carbon dioxide. |
| Unsuitable extinguishing media | : | None known. |

5.2 Special hazards arising from the substance or mixture



Specific hazards during firefighting : May release toxic, irritating and/or corrosive fumes. Exposure to decomposition products may be a hazard to health.

5.3 Advice for firefighters

Firefighting instructions : Cool down the containers exposed to heat with a water spray.

Protection during firefighting : Do not attempt to act without suitable protective equipment.

Further information : Standard procedure for chemical fires. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Note that:

1-Closed containers may build up pressure at elevated temperatures.

2-Avoid inhalation of fumes or vapors. Use appropriate respiratory protection.

3-Prevent run-off from firefighting to enter drains or water courses.

SECTION 6: ACCIDENTAL RELEASES MEASURES

6.1 Personal precautions, protective equipment, and emergency procedures

Wear appropriate gloves to prevent skin exposure.

Use complete protective clothing if necessary.

Avoid inhalation of its vapors or smoke and use self-contained breathing apparatus if necessary.

Evacuate the surroundings and maintain adequate ventilation in the working area after spilling.

6.2 Environmental precautions

Dangerous for the environment. Should not be released into the environment.

Try to prevent the product from entering drains or water courses.

Do not allow contact with soil, surface, or ground water.

If the product contaminates rivers and lakes or drains, inform respective authorities.

6.3 Methods and material for containment and cleaning up



Cover and wipe up with absorbent material.
Ventilate area and wash spill site after material pickup is complete.
Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

Handling and storage. See chapter 7.
Exposure controls/personal protection. See chapter 8.
Disposal considerations. See chapter 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

| | | |
|---------------------------|---|---------------------------------------------------------------------------------------------------|
| Advise on safe handling | : | Smoking, eating, and drinking should be prohibited in the application area. |
| Heat and ignition sources | : | Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. DO NOT SMOKE. |
| Hygiene measures | : | General industrial hygiene practice. |

7.2 Conditions for safe storage, including any incompatibilities

| | | |
|-----------------------------------------------|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Requirements for storage areas and containers | : | Electrical installations / working materials must comply with the technological safety standards. Keep container tightly closed and dry. Store in a cool and well-ventilated place. |
| Advice on common storage | : | No materials to be especially mentioned. |
| Other data | : | No decomposition if stored and applied as directed. |

7.3 Specific end use(s)

Raw material used in flavoring preparations and/or perfumery. No additional information available.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Inhalation of thymol may cause long term local effects.

Inhalation of components listed on the label may cause long-term systemic effects.

8.2 Exposure controls



| | | |
|------------------------|---|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Respiratory protection | : | Filtering mask for protection against vapors and particles. CEN standards: EN 136, EN 140, EN 149, EN 405 «CE» marking, Category III |
| Hand protection | : | Protective gloves. CEN standards: EN 374-1, EN 374-2, EN 374-3, EN 420 «CE» marking, Category II |
| Eye protection: | : | Protective goggles with built-in frame. CEN standards: EN 166 «CE» marking, Category II |
| Skin Protection | : | Protective clothing. CEN standards: EN 340 «CE» marking, Category II |
| Other protection | : | Anti-static safety footwear against chemicals. CEN standards: EN ISO 13287, EN 13832-1, EN 13832-2, EN 13832-3, EN ISO 20345 «CE» marking, category III |

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

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| Appearance | : | Liquid. |
| Color | : | Yellow. |



| | | |
|------------------|---|-------------------------------|
| Odor | : | Fresh, herbaceous, terpenic. |
| Density | : | 0,910 to 0,980 (g/ml) (20 °C) |
| Refractive Index | : | 1,485 to 1,525 (20 °C) |
| Optical Rotation | : | -12° to 0° (20 °C) |
| Flash point | : | 66 °C |

SECTION 10: STABILITY AND REACTIVITY

| | |
|------------------------------------------------|--------------------------------------------------------------|
| 10.1 Reactivity | No hazardous reactions under recommended storage conditions. |
| 10.2 Chemical stability | Stable under recommended storage conditions. |
| 10.3 Possibility of hazardous reactions | No hazards to be specially mentioned. |
| 10.4 Conditions to avoid | No data available. |
| 10.5 Incompatible materials | No data available. |
| 10.6 Hazardous decomposition products | No decomposition if used and stored as directed. |

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

| | | |
|-----------------------------------|---|---------------------------------------------------------------------------------------|
| Acute toxicity | : | Harmful if swallowed. |
| Skin corrosion/irritation | : | Causes severe skin burns. |
| Serious eye damage/eye irritation | : | Causes severe eye damage. |
| Skin sensitization | : | May cause irreversible damage, following exposure between three minutes and one hour. |
| Respiratory sensitization | : | Not classified based on available information. |
| Germ cell mutagenicity | : | Not classified based on available information. |
| Carcinogenicity | : | The agent is not classifiable as to its carcinogenicity to humans. |
| STOT - single exposure | : | Not classified based on available information. |



STOT - repeated exposure : Not classified based on available information.
Aspiration toxicity : May be fatal if swallowed and enters airways.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity Toxic to aquatic life with long lasting effects.
12.2 Persistence and degradability No additional data available.
12.3 Bio accumulative potential No additional data available.
12.4 Mobility in soil No additional data available.
12.5 Results of PBT and vPvB assessment This substance/mixture contains no components considered to be either persistent, bio accumulative and toxic (PBT), or very persistent and very bio accumulative (vPvB) at levels of 0.1% or higher.
12.6 Other adverse effects No additional data available.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Containers must be disposed of as hazardous waste. Do not re-use empty containers. Dilute the remaining material and neutralize.

Dispose of in accordance with all state and local environmental regulations.

Empty containers should be taken to an approved waste handling site for recycling or disposal.
Flammable vapors may accumulate in the container.

SECTION 14: TRANSPORT INFORMATION

| | ADR/RID/ADN | IMDG | IATA-ICAO |
|--|-------------|------|-----------|
|--|-------------|------|-----------|

| | | | |
|----------------------------------|-----------------------------------------------------|-----------------------------------------------------|-----------------------------------------------------|
| UN number | UN3082 | UN3082 | UN3082 |
| Proper shipping name | Environmentally hazardous substance, liquid, N.O.S. | Environmentally hazardous substance, liquid, N.O.S. | Environmentally hazardous substance, liquid, N.O.S. |
| Transport Hazard class | 9 | 9 | 9 |
| Packing group | III | III | III |
| Environmentally hazardous | Environmentally hazardous and marine pollutant | Environmentally hazardous and marine pollutant | Environmentally hazardous and marine pollutant |
| Further information | Tunnel restriction code (E) | | |

14.1 Labelling according to RID / ADR, IMCO / IMDG, OACI / IATA



14.2 Special precautions for user.

Not applicable.

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

Not applicable for product as supplied.

SECTION 15: REGULATORY INFORMATION

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

Substances are either included in EINECS, ELINCS, NLP inventories or exempt.

15.2 Chemical safety assessment:

Not required.



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SECTION 16: OTHER INFORMATION

The content and format of this safety data sheet are in accordance with EC Regulation No. 1907/2006 of the European Parliament and Council.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered a warranty or quality specification. The information relates only to the specific product designated and may not be valid for such product used in combination with any other products or in any process, unless specified in the text.