

SAFETY DATA SHEET (SDS)

Version 2.0

Revision Date : February 9,2023

Print Date : March 19, 2023

1. PRODUCT AND COMPANY IDENTIFICATION

| | | |
|-------------------|---|--|
| Product name | : | Marjoram Essential Oil (Sweet) |
| Botanical name | : | Origanum marjorana (syn: Marjorana hortensis L.) |
| INCI name | : | Origanum Majorana Flower Oil |
| CAS # | : | 8015-01-8 / 84082-58-6 |
| Country of Origin | : | Egypt |
| EINECS # | : | 282-004-4 |
| Product use | : | Domestic and Industrial |

2. HAZARDS IDENTIFICATION

Emergency Overview

GHS Classification

Flammable Liquid - Category 3

Acute Toxicity, oral- Category 5

Aspiration toxicity - Category 1

Acute toxicity, dermal - Category 3

Skin corrosion/irritation - Category 2

Skin Sensitization - Category 1

Serious eye damage/eye irritation - Category 2A

Hazardous to the aquatic environment, acute hazard - Category 2

Hazardous to aquatic environment, chronic hazard, - Category 2

GHS Label elements, including precautionary statements



Signal: Danger

Hazard statement(s)

| | |
|------|--|
| H227 | Combustible liquid. |
| H302 | Harmful if swallowed. |
| H304 | May be fatal if swallowed and enters airways. |
| H311 | Toxic in contact with skin. |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H319 | Causes serious eye irritation. |
| H401 | Toxic to aquatic life. |
| H411 | Toxic to aquatic life with long-lasting effects. |

Precautionary statement(s)

| | |
|----------------|--|
| P261 | Avoid breathing dust/fumes/gas/mist/vapours/spray. |
| P280 | Wear protective gloves, clothing and eye or face protection. |
| P301+P310 | IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. |
| P331 | Do NOT induce vomiting. |
| P302+P352 | IF ON SKIN: Wash with plenty of soap and water. |
| P332+P313 | If skin irritation occurs: Get medical advice/attention. |
| P264 | Wash hands thoroughly after handling. |
| P362 | Take off contaminated clothing. |
| P272 | Contaminated work clothing should not be allowed out of the workplace. |
| P363 | Wash contaminated clothing before reuse. |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. |
| P333+P313 | If skin irritation or a rash occurs: Get medical advice/attention. |
| P337+P313 | If eye irritation persists get medical advice/attention. |
| P210 | Keep away from heat/sparks/open flames/hot surfaces. – No smoking |
| P273 | Avoid release to the environment. |
| P405 | Store locked up. |
| P391 | Collect spillage. |
| P370+P378 | In case of fire: Use foam or dry powder to extinguish. |
| P501 | Dispose of contents and container in accordance with local, regional, national and/or international regulation for hazardous wastes. |

3. COMPOSITION / INFORMATION INGREDIENTS

| Product Name | CAS NO | EC NO | Concentration |
|---------------------|---------------|--------------|----------------------|
| Terpinene 1-ol-4 | 562-74-3 | 209-235-5 | 19 - 32 % |
| Limonene | 5989-27-5 | 227-813-5 | 3.0 - 10 % |
| Linalool | 78-70-6 | 201-134-4 | 1.0 - 8.5 % |
| Thymol | 89-83-8 | 201-944-8 | < 1.0 % |
| Carvacrol | 499-75-2 | 207-889-6 | < 1.0 % |

4. FIRST AID MEASURES

Eye contact

Immediately flush eyes with plenty of cool water for at least 15 minutes. Get medical attention if irritation occurs.

Skin contact

Remove contaminated clothing. Wash area with soap and water. If irritation occurs, get medical attention.

Inhalation

If inhaled, removed to fresh air. Get medical attention if symptoms appear.

Ingestion

Seek medical attention or contact local poison control center.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media

Foam. Dry Powder. Carbon dioxide.

Unsuitable extinguishing media

Water spray, water jet.

Special protective equipment and precautions for fire-fighters

Wear proper protective equipment. Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers.

Special hazards arising from the substance or its combustible products

Hazardous decomposition products may be formed at extreme heat or if burned.

Resulting gases

Carbon oxides.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures.

Equip clean crew with proper protection. Respiratory protection equipment may be necessary.

Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

Methods and materials for containment and cleaning up

Clean up any spills as soon as possible, using an absorbent material to collect it. Use suitable disposal containers.

7. HANDLING AND STORAGE

Precautions for safe handling

No direct lighting. No smoking. Ensure prompt removal from eyes, skin and clothing. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Handle in accordance with good industrial hygiene and safety procedures.

Conditions for safe storage, including any incompatibilities

Provide local exhaust or general room ventilation to minimize dust and/or vapor concentrations. It is recommended to keep the product in a water-tight and air-tight container in a dry, cool (<15°C) and aired area.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Eyes

Use tightly sealed goggles.

Skin

If skin contact or contamination of clothing is likely, protective clothing should be worn. Use protective gloves.

Respiratory

In case of insufficient ventilation, wear suitable respiratory equipment.

Ingestion

Not for ingestion.

9. PHYSICAL AND CHEMICAL PROPERTIES

| | | |
|------------------|---|--|
| Appearance | : | Colorless to pale yellow liquid. |
| Odor | : | Characteristic spicy and woody marjoram. |
| Flash point | : | 59°C |
| Relative density | : | 0.860 to 0.905 @ 20°C |
| Refractive index | : | 1.455 to 1.480 @ 20°C |
| Optical rotation | : | +14° to +24° @ 20°C |

10. STABILITY AND REACTIVITY

Reactivity

This material presents no significant reactivity hazard.

Chemical stability

Chemically stable.

Possibility of hazardous reactions

Hazardous polymerization will not occur.

Conditions to avoid

Avoid sparks, flame and other heat sources.

Incompatible materials

Strong oxidizing agents.

Hazardous decomposition products

Carbon Oxides.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Not available.

Chronic toxicity

May cause allergic reactions on skin.

Inhalation

Inhalation of high concentrations of vapor may result in irritation of eyes, nose and throat, headache, nausea, and dizziness.

Skin contact

Adverse skin effects should be prevented by normal care and personal hygiene.

Eye contact

Possible irritation should be prevented by wearing safety glasses.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Toxic to aquatic organisms, may cause long-term adverse effects environment. Avoid any pollution of ground, surface or underground water.

Persistence and degradability

Not available.

Bio - accumulative potential

Not available.

Mobility in soil

Not available.

Other adverse effects

Not available.

13. DISPOSAL CONSIDERATION

Dispose of product in accordance with local, state or provincial and federal regulations. Check with local municipal authority to ensure compliance.

14. TRANSPORT INFORMATION

UN Number

1197

UN proper shipping name

Extracts, liquid

Transport hazard class

3

Packing group

III

US DOT Shipping Description (Land)

1197

Proper shipping name

Extracts, liquid

Class

3

Packaging group

3

IMO-IMDG Shipping Description (Sea)

1197

Proper shipping name

Extracts, liquid

Class

3

Packaging group

3

IATA Shipping Description (Air)

1197

Proper shipping name

Extracts, liquid

Class

3

Packaging group

3

15. REGULATORY INFORMATION

California Proposition 65

This Product can expose you myrcene, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

GHS Hazard Statements

Please refer to section 2.

GHS Precautionary Statements

Please refer to section 2.

16. OTHER INFORMATION

Revision date : February 09,2023

Limitación de Responsabilidad

Consulta toda la información técnica relevante específica del producto antes de su uso. La información contenida en este documento se obtiene de fuentes actuales y confiables. MyLottush, proporciona la información contenida en este documento, pero no garantiza su exhaustividad o precisión. Las personas que reciben esta información deben ejercer su juicio independiente para determinar si es adecuada para un propósito particular. El usuario del producto es el único responsable del cumplimiento de todas las leyes y reglamentos aplicables al uso de los productos, incluidos los derechos de propiedad intelectual de terceros. Como los usos ordinarios o de otro tipo de este producto están fuera del control de MyLottush, no se hace ninguna representación o garantía, expresa o implícita, en cuanto a los efectos de dichos usos, (incluyendo daños o lesiones), o los resultados obtenidos. La responsabilidad de MyLottush se limita al valor de los bienes y no incluye ninguna pérdida consecuente. MyLottush no será responsable de ningún error o demora en el contenido, ni de ninguna acción tomada en base al mismo. MyLottush no será responsable de ningún daño que resulte del uso o la confianza en esta información.

CERTIFICATE OF ANALYSIS

Product : **Marjoram Essential Oil (Sweet)**

Lot No : 11089A10422

Best Before : April, 2024

| <u>Properties</u> | <u>Specifications</u> | <u>Results</u> |
|-------------------|--|----------------|
| Appearance | : Colorless to pale yellow liquid. | Complies |
| Odor | : Characteristic spicy and woody marjoram. | Complies |
| Solubility | : Soluble in ethyl alcohol. | Complies |
| Refractive Index | : 1.455 to 1.480 @ 20°C | 1.469 |
| Specific Gravity | : 0.860 to 0.890 @ 20°C | 0.897 |
| Optical Rotation | : +14° to +24° @ 20°C | +20° |
| Terpinene-4-ol | : 18 - 32 % | 21.81 |
| γ-terpinene | : 9 - 18 % | 13.43 |
| Sabinene | : 3 - 10 % | 8.20 |

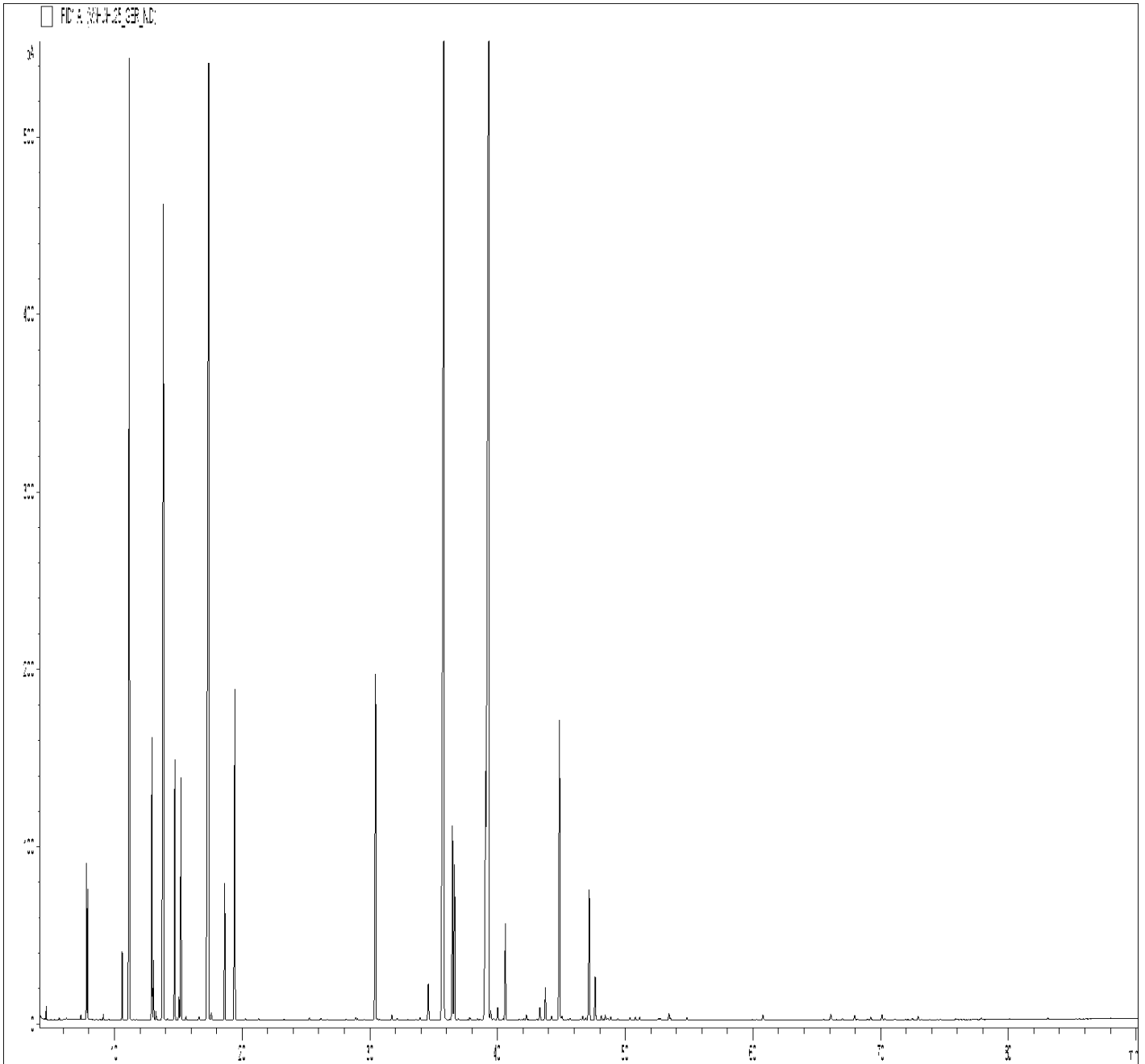
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GCMS ANALYSIS

PRODUCT NAME: MARJORAM ESSENTIAL OIL (SWEET) – 11089

DATE: April 25, 2022



Due to volume turnover, this report is not lot specific, It is representative of the quality of this oil produced by the manufacturer of this product, Specific lots may vary slightly as is the case in natural products,

GCMS ANALYSIS (cont'd.)

PRODUCT NAME: MARJORAM ESSENTIAL OIL (SWEET) – 11089

| Peak | RT (min) | Compound name | % |
|------|----------|---------------------------|--------------|
| 1 | 4,66 | ACETONE | 0,05 |
| 2 | 7,38 | METHYL 2-METHYLBUTYRATE | 0,02 |
| 3 | 7,82 | alpha-PINENE | 0,81 |
| 4 | 7,90 | alpha-THUYENE | 0,65 |
| 5 | 9,13 | CAMPHENE | 0,04 |
| 6 | 10,61 | beta-PINENE | 0,46 |
| 7 | 11,17 | SABINENE | 8,20 |
| 8 | 12,95 | beta-MYRCENE | 2,13 |
| 9 | 13,07 | alpha-PHELLANDRENE | 0,37 |
| 10 | 13,25 | psi-LIMONENE | 0,07 |
| 11 | 13,84 | alpha-TERPINENE | 8,36 |
| 12 | 14,16 | 1,8-CINEOLE, 2,3-DEHYDRO- | 0,02 |
| 13 | 14,73 | LIMONENE | 2,02 |
| 14 | 15,06 | 1,8-CINEOLE | 0,19 |
| 15 | 15,21 | beta-PHELLANDRENE | 1,87 |
| 16 | 15,61 | 2-HEXENAL | 0,03 |
| 17 | 16,61 | cis-beta-OCIMENE | 0,03 |
| 18 | 17,38 | gamma-TERPINENE | 13,43 |
| 19 | 17,58 | trans-beta-OCIMENE | 0,05 |
| 20 | 17,61 | 3-OCTANONE | 0,02 |
| 21 | 18,64 | p-CYMENE | 1,10 |
| 22 | 19,43 | TERPINOLENE | 3,09 |
| 23 | 20,26 | TRIDECANE | 0,02 |
| 24 | 21,30 | 3-HEXEN-1-OL ACETATE | 0,02 |
| 25 | 25,27 | 3-HEXEN-1-OL | 0,02 |
| 26 | 26,18 | NONANAL | 0,02 |
| 27 | 26,67 | COSMENE ISOMER | 0,01 |
| 28 | 28,92 | alpha,p-DIMETHYLSTYRENE | 0,04 |
| 29 | 29,05 | MENTHATRIENE ISOMER | 0,02 |
| 30 | 30,45 | trans-THUYANOL | 3,58 |

GCMS ANALYSIS (cont'd.)

PRODUCT NAME: MARJORAM ESSENTIAL OIL (SWEET) – 11089

| Peak | RT (min) | Compound name | % |
|------|----------|---------------------------|--------------|
| 31 | 30,58 | 4,8-TERPINOLENE EPOXIDE | 0,02 |
| 32 | 31,73 | delta-ELEMENE | 0,05 |
| 33 | 32,14 | alpha-CAMPHOLENAL | 0,02 |
| 34 | 33,61 | TERPENIC COMPOUND | 0,02 |
| 35 | 33,93 | COMPOUND Mw=152 | 0,02 |
| 36 | 34,58 | E-SOLANONE | 0,38 |
| 37 | 35,80 | LINALOOL | 1,43 |
| 38 | 35,85 | cis-THUYANOL | 15,15 |
| 39 | 36,48 | LINALYL ACETATE | 1,80 |
| 40 | 36,64 | trans-p-MENTH-2-EN-1-OL | 1,55 |
| 41 | 36,94 | PINOCARVONE | 0,02 |
| 42 | 37,82 | BORNYL ACETATE | 0,04 |
| 43 | 38,43 | alpha-trans-BERGAMOTENE | 0,02 |
| 44 | 39,08 | beta-CARYOPHYLLENE | 3,15 |
| 45 | 39,33 | TERPINENE-4-OL | 21,81 |
| 46 | 39,46 | cis-DIHYDROCARVONE | 0,11 |
| 47 | 39,69 | AROMADENDRENE | 0,02 |
| 48 | 40,02 | TERPENIC COMPOUND | 0,12 |
| 49 | 40,62 | cis-p-MENTH-2-EN-1-OL | 0,92 |
| 50 | 41,70 | trans-DIHYDROCARVONE | 0,01 |
| 51 | 42,04 | trans-PINOCARVYL ACETATE | 0,02 |
| 52 | 42,26 | trans-PINOCARVEOL | 0,06 |
| 53 | 43,32 | alpha-HUMULENE | 0,14 |
| 54 | 43,75 | cis-PIPERITOL | 0,33 |
| 55 | 44,23 | LAVANDULAL | 0,05 |
| 56 | 44,86 | alpha-TERPINEOL | 3,22 |
| 57 | 45,05 | BORNEOL | 0,05 |
| 58 | 45,50 | LEDENE | 0,02 |
| 59 | 45,67 | GERMACRENE D | 0,03 |
| 60 | 46,68 | NERYL ACETATE | 0,04 |

GCMS ANALYSIS (cont'd.)

PRODUCT NAME: MARJORAM ESSENTIAL OIL (SWEET) – 11089

| Peak | RT (min) | Compound name | % |
|------|----------|-----------------------------------|--------------|
| 61 | 46,92 | CARVONE | 0,03 |
| 62 | 47,18 | BICYCLOGERMACRENE | 1,39 |
| 63 | 47,65 | trans-PIPERITOL | 0,45 |
| 64 | 48,14 | E,E-alpha-FARNESENE | 0,05 |
| 65 | 48,44 | GERANYL ACETATE | 0,05 |
| 66 | 48,60 | delta-CADINENE | 0,02 |
| 67 | 48,66 | gamma-CADINENE | 0,01 |
| 68 | 48,87 | CITRONELLOL | 0,04 |
| 69 | 49,41 | METHYL SALICYLATE | 0,03 |
| 70 | 50,37 | CAMPHOLENOL | 0,03 |
| 71 | 50,80 | NEROL | 0,03 |
| 72 | 51,13 | AROMATIC COMPOUND | 0,03 |
| 73 | 52,63 | trans-ANETHOL | 0,02 |
| 74 | 52,75 | trans-CARVEOL | 0,02 |
| 75 | 53,42 | GERANIOL | 0,07 |
| 76 | 53,54 | p-CYMENE-8-OL | 0,03 |
| 77 | 54,84 | AROMATIC COMPOUND Mw=194 | 0,03 |
| 78 | 60,79 | CARYOPHYLLENE OXIDE | 0,06 |
| 79 | 66,10 | cis-1,2-DIHYDROXY-p-MENTH-2-ENE | 0,08 |
| 80 | 67,01 | SESQUITERPENOL | 0,02 |
| 81 | 67,96 | SPATHULENOL | 0,05 |
| 82 | 69,23 | trans-1,2-DIHYDROXY-p-MENTH-2-ENE | 0,03 |
| 83 | 70,11 | SORBIC ACID | 0,06 |
| 84 | 72,50 | CARVACROL | 0,02 |
| 85 | 72,93 | beta-NOOTKATOL | 0,03 |
| 86 | 75,89 | AROMATIC COMPOUND Mw=178 | 0,02 |
| 87 | 77,89 | SANDARACOPIMARADIENE | 0,03 |
| | | TOTAL | 99,98 |

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