

1. Identification

1.1 GHS Product identifier

Commercial name Marjoram Essential Oil, 100% pure and natural
Botanical source *Origanum majorana, L.*

1.2 Other means of identification

INCI name Origanum majorana oil
CAS TSCA 8015-01-8
CAS EINECS 84082-58-6
EINECS 282-004-4
FEMA 2663

1.3 Recommended use of the chemical and restrictions on use

Identified uses Raw material for flavor, perfumery, aromatherapy.
Uses advised against Other than recommended

1.4 Supplier's details

Company **EGYPTIAN HERBARIUM**
Address Zakaria Ghoneim Str.- 21321 Alexandria / EGYPT
Telephone +20 03 59 15 864 **e-mail:** info@egyptianherbarium.com

1.5 Emergency phone number

Emergency phone number **+20 03 59 15 864**
Service hours Monday to Friday, 9am-5pm (time zone: GMT +2).

2. Hazard identification

2.1 Classification of the substance or mixture

Aspiration hazard,	Category 1	H304: May be fatal if swallowed and enters airways
Skin irritation,	Category 2	H315: Causes skin irritation
Skin sensitization,	Category 1	H317: May cause an allergic skin reaction
Hazardous to the aquatic environment, long-term (Chronic) - Category Chronic 2		H412: Harmful to aquatic life with long lasting effects

2.2 GHS label elements, including precautionary statements

Pictogram(s)



Signal word

Danger

Hazard statement(s)

H304 May be fatal if swallowed and enters airways
H315 Causes skin irritation
H317 May cause an allergic skin reaction
H411 Toxic to aquatic life with long lasting effects

Precautionary statement(s)

Prevention

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P272 Contaminated work clothing should not be allowed out of the workplace
P280 Wear protective gloves/protective clothing/eye protection / face protection.
P264 Wash hands thoroughly after handling.
P273 Avoid release to the environment.

Response

P301+P310 If swallowed: immediately call a poison center/ doctor/ ...
P331 Do not induce vomiting.
P302+P352 IF ON SKIN: Wash with plenty of water/...
P321 Specific treatment (see ... on this label).
P332+P313 If skin irritation occurs: Get medical advice/attention.
P362+P364 Take off contaminated clothing and wash it before reuse.
P333+P313 If skin irritation or rash occurs: Get medical advice/ attention.
P391 Collect spillage.

Storage

P405 Store locked up.

Disposal

P501 Dispose of contents/ container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

2.3 Other hazards which do not result in classification

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

3. Composition / information on ingredients

3.1 Substances

Product name	Product identifier	%	GHS classification	
Marjoram oil	CAS-No. 8015-01-8 EC-No. 616-955-7	100	Flam. Liq. 3, Skin Irrit. 2, Eye Irrit. 2A, Skin Sens. 1, Asp. Tox. 1,	H226 H315 H319 H317 H304

4. First-aid measures

4.1 Description of necessary first-aid measures

General advice

Medical attention is required. Consult a doctor. Show this safety data sheet (SDS) to the doctor in attendance.

If inhaled

Move the victim into fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration and consult a doctor immediately. Do not use mouth to mouth resuscitation if the victim ingested or inhaled the chemical.

Following skin contact

Take off contaminated clothing immediately. Wash off with soap and plenty of water. Consult a doctor.

Following eye contact

Rinse with pure water for at least 15 minutes. Consult a doctor.

Following ingestion

Rinse mouth with water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a doctor or Poison Control Center immediately.

4.2 Most important symptoms/effects, acute and delayed

- Aspiration may cause pulmonary edema and pneumonitis. Severe eye irritation.
- Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Difficulty in breathing. Skin irritation.
- May cause redness and pain. May cause an allergic skin reaction. Dermatitis. Rash.

4.3 Indication of immediate medical attention and special treatment needed, if necessary

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

5. Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media

Use dry chemical, carbon dioxide or alcohol-resistant foam.

5.2 Specific hazards arising from the chemical

Fire may produce irritating, corrosive and/or toxic gases

5.3 Special protective actions for fire-fighters

Use standard protective equipment and wear self-contained breathing apparatus for firefighting if necessary.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid dust formation. Avoid breathing mist, gas or vapours. Avoid contacting with skin and eye. Use personal protective equipment. Wear chemical impermeable gloves. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

6.2 Environmental precautions

Prevent further spillage or leakage if it is safe to do so. Do not let the chemical enter drains. Discharge into the environment must be avoided.

6.3 Methods and materials for containment and cleaning up

Collect and arrange disposal. Keep the chemical in suitable and closed containers for disposal. Remove all sources of ignition. Use spark-proof tools and explosion-proof equipment. Large spills should be cleaned with inert absorbent material that will be scanned and then destroyed in accordance with existing regulations.

7. Handling and storage

7.1 Precautions for safe handling

Handling in a well ventilated place. Wear suitable protective clothing. Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Use non-sparking tools. Prevent fire caused by electrostatic discharge steam.

7.2 Conditions for safe storage, including any incompatibilities

Store the container tightly closed in a dry, cool and well-ventilated place. Store apart from foodstuff containers or incompatible materials.

8. Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure limit values

Contains no substances with occupational exposure limit values

8.2 Appropriate engineering controls

Ensure adequate ventilation. Handle in accordance with good industrial hygiene and safety practice. Set up emergency exits and the risk-elimination area.

8.3 Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection

Wear tightly fitting safety goggles with side-shields conforming to EN 166(EU) or NIOSH (US).

Skin protection

Wear fire/flame resistant and impervious clothing. Handle with gloves. Gloves must be inspected prior to use. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Respiratory protection

If the exposure limits are exceeded, irritation or other symptoms are experienced, use a full-face respirator.

Thermal hazards

For products representing a thermal hazard, appropriate Personal Protective Equipment should be used.

9. Physical and chemical properties

Physical state	Slightly oily liquid (@ 25°C)
Colour	Pale to greenish yellow liquid
Odour	Very sweet herbaceous-warm anisic
Melting point/ freezing point	-20 °C @ 95.4 - 95.6 kPa
Boiling point	186°C @ 101.3 kPa
Flammability	no data available
Flash point	59°C
Auto-ignition temperature	253°C @ 97.3 - 97.4 kPa
Solubility	Slightly soluble in water; soluble in about 3 vols. alcohol
Vapour pressure	~ 7.58 Pa @25°C
Density and/or relative density	0.890 - 0.906 @20C°
Refractive index @ 20°C	1.470 to 1.475
Optical rotation @ 20°C	+5° to +35°

10. Stability and reactivity

10.1 Reactivity

It presents no significant reactivity hazards, by itself or in contact with water. Avoid contact with strong acids, alkali or oxidizing agents

10.2 Chemical stability

This substance is stable under the recommended handling and storage conditions in section 7

10.3 Possibility of hazardous reactions

Stable under recommended storage conditions

10.4 Conditions to avoid

Do not heat to high temperature. Do not expose sealed containers in the sun. Keep away from sources of ignition.

10.5 Incompatible materials

Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions. Should not be stored or dispensed in PVC bottles.

10.6 Hazardous decomposition products

Liable to cause smoke & acrid fumes during combustion: carbon monoxide, carbon dioxide & other non-identified organic compounds may be formed.

11. Toxicological information

Acute toxicity

- a) Acute oral toxicity LD50 (oral. Rat) : $\geq 5,000$ mg/kg
- b) Acute dermal toxicity : LD50 (dermal. Rabbit) : $\geq 5,000$ mg/kg
- c) Acute inhalation toxicity : LC50 (inhalative. Rat. 4h) : no data available

Skin corrosion/irritation

Causes skin irritation

Serious eye damage/irritation

Causes serious eye irritation

Respiratory or skin sensitization

May cause respiratory tract irritation / an allergic skin reaction.

Ingestion

May be harmful if swallowed

Germ cell mutagenicity

No significant effects or critical hazards

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Carcinogenicity

No significant effects or critical hazards.

Reproductive toxicity

Not classified based on available information

STOT-single exposure

Not classified based on available information

STOT-repeated exposure

Not classified based on available information

Aspiration hazard

May be fatal if inhaled and enters airways

12. Ecological information

12.1 Toxicity

Toxic to aquatic life with long lasting effects.

- Toxicity to fish, LC50: 96 Hr(mg/L) : no data available
- Toxicity to algae, EC50: 72 or 96-Hr : 6,8 mg/L.
- Toxicity to microorganisms : no data available

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 Other adverse effects

Do not allow product to enter streams, sewers or other waterways

13. Disposal considerations

13.1 Disposal methods

Product

The material can be disposed of by removal to a licensed chemical destruction plant or by controlled incineration with flue gas scrubbing. Do not contaminate water, foodstuffs, feed or seed by storage or disposal. Do not discharge to sewer systems.

Local disposal regulations

Dispose in accordance with all applicable regulations

Contaminated packaging

Containers can be triply rinsed (or equivalent) and offered for recycling or reconditioning. Alternatively, the packaging can be punctured to make it unusable for other purposes and then be disposed of in a sanitary landfill. Controlled incineration with flue gas scrubbing is possible for combustible packaging materials.

14. Transport information

14.1 Land transport (ADR/RID)

a) UN number:	1169
b) UN proper shipping name:	Extracts, Aromatic, Liquid
c) Transport hazard class(es):	3 - Flammable liquids
d) Packaging group:	III
e) Environmental hazards:	N/A
f) Special precautions for user:	
• Hazard identification number (kemler No.):	no data available
• Tunnel restriction code:	no data available

14.2. Sea transport (IMDG)

a) UN number:	1169
b) UN proper shipping name:	Extracts, Aromatic, Liquid
c) Transport hazard class(es):	3 - Flammable liquids
d) Packaging group:	III - substances presenting low danger
e) Environmental hazards:	
• Marine pollutant:	Yes
f) Special precautions for user:	Limited quantities: 5 L
g) Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:	Not relevant

14.3. Air transport (ICAO-TI / IATA-DGR)

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|----------------------------------|----------------------------|
| a) UN number: | 1169 |
| b) UN proper shipping name: | Extracts, aromatic, liquid |
| c) Transport hazard class(es): | 3 - Flammable Liquids |
| d) Packaging group: | III – Minor Danger |
| e) Special precautions for user: | Not relevant |

14.4. Transport Labels



14.4. Special precautions for user

Read safety instructions, SDS and emergency procedures before handling

14.5 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

15. Regulatory information

15.1 Safety, health & environmental regulations specific for the product in question

Product name	Common names and synonyms	CAS number	EC number
Marjoram Oil	Marjoram Oil	8015-01-8	616-955-7
European	Inventory of Existing Commercial Chemical Substances (EINECS)		Not Listed.
United States	Toxic Substances Control Act (TSCA) Inventory		Listed.
China	Chemical Inventory of Existing Chemical Substances (China IECSC)		Listed.
Canada	DSL (Domestic Substances List)		Listed.
Japan	Existing and New Chemical Substances Inventory (ENCS)		Not Listed.
Australia	Inventory of Chemical Substances (AICS)		Listed.

15.2. Chemical safety assessment

A Chemical Safety Assessment is not required for this substance

16. Other information

Information on revision

Creation Date: January 15, 2019

Revision Date: January 15, 2019

Abbreviations and acronyms

- CAS: Chemical Abstracts Service
- ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
- RID: Regulation concerning the International Carriage of Dangerous Goods by Rail
- IMDG: International Maritime Dangerous Goods
- IATA: International Air Transportation Association
- TWA: Time Weighted Average
- STEL: Short term exposure limit
- LC50: Lethal Concentration 50%
- LD50: Lethal Dose 50%
- EC50: Effective Concentration 50%

Disclaimer:

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. We as supplier shall not be held liable for any damage resulting from handling or from contact with the above product.