

SAFETY DATA SHEET (SDS)

Version 2.0

Revision Date : April 22,2022

Print Date : March 19, 2023

1. PRODUCT AND COMPANY IDENTIFICATION

Product name	:	Origanum (Origanum vulgare) Essential Oil
Botanical name	:	Origanum vulgare L.
INCI name	:	Origanum Vulgare Leaf Oil
CAS #	:	84012-24-8 / 336185-21-8
Country of Origin	:	Spain
EINECS #	:	281-670-3
Product use	:	Domestic and Industrial

2. HAZARDS IDENTIFICATION

Emergency Overview

GHS Classification

Flammable liquid - Category 4

Acute Toxicity, Oral - Category 4

Acute Toxicity, Dermal - Category 3

Skin Corrosion/Irritation - Category 2

Serious Eye Damage/Eye Irritation - Category 2A

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

Precautionary statement(s)

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P370+P378	In case of fire: Use extinguishing agents listed in section 5.
P403+P235	Store in a well ventilated place. Keep cool.
P501	Dispose of contents/container according to local regulations.
P264	Wash with plenty of water and soap thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P330	Rinse mouth.
P405	Store locked up.
P302+P352	IF ON SKIN: Wash with plenty of water and soap.
P312	Call a POISON CENTER/ doctor/if you feel unwell.
P361	Take off immediately all contaminated clothing.
P363	Wash contaminated clothing before reuse.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P261	Avoid breathing dust/fumes/gas/mist/vapours/spray.
P272	Contaminated work clothing should not be allowed out of the workplace.
P333+P313	If skin irritation or a rash occurs: Get medical advice/attention.

3. COMPOSITION / INFORMATION INGREDIENTS

Product Name	CAS NO	EC NO	Concentration
Origanum Vulgare Leaf Oil	84012-24-8 / 336185-21-8	281-670-3	100 %

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 vapour concentrations. Keep container closed when not in use.

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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	Light yellow to reddish yellow liquid.
Odor	:	Characteristic odor.
Flash point	:	63°C
Relative density	:	0.932 to 0.960@ 25°C
Solubility (ies)	:	Soluble in alcohol and oils. Insoluble in water.
Refractive index	:	1.502 to 1.510@ 20°C
Optical rotation	:	(-2.0°) to (+3.0°) @ 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

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

2810

UN proper shipping name

Toxic liquid, organic, n.o.s. (Origanum oil)

Transport hazard class

6.1

Packing group

III

US DOT Shipping Description (Land)

2810

Proper shipping name

Toxic liquid, organic, n.o.s. (Origanum oil)

Class

6.1

Packaging group

III

IMO-IMDG Shipping Description (Sea)

2810

Proper shipping name

Toxic liquid, organic, n.o.s. (Origanum oil)

Class

6.1

Packaging group

III

IATA Shipping Description (Air)

Not regulated

Proper shipping name

Toxic liquid, organic, n.o.s. (Origanum oil)

Class

6.1

Packaging group

III

15. REGULATORY INFORMATION

California Proposition 65

- This product can expose you to beta-Myrcene, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.
- This product can expose you to Pulegone, 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 : April 22,2022

CERTIFICATE OF ANALYSIS**Product** : **Origanum (Origanum Vulgare) Essential Oil**

Lot No : 11306A11122

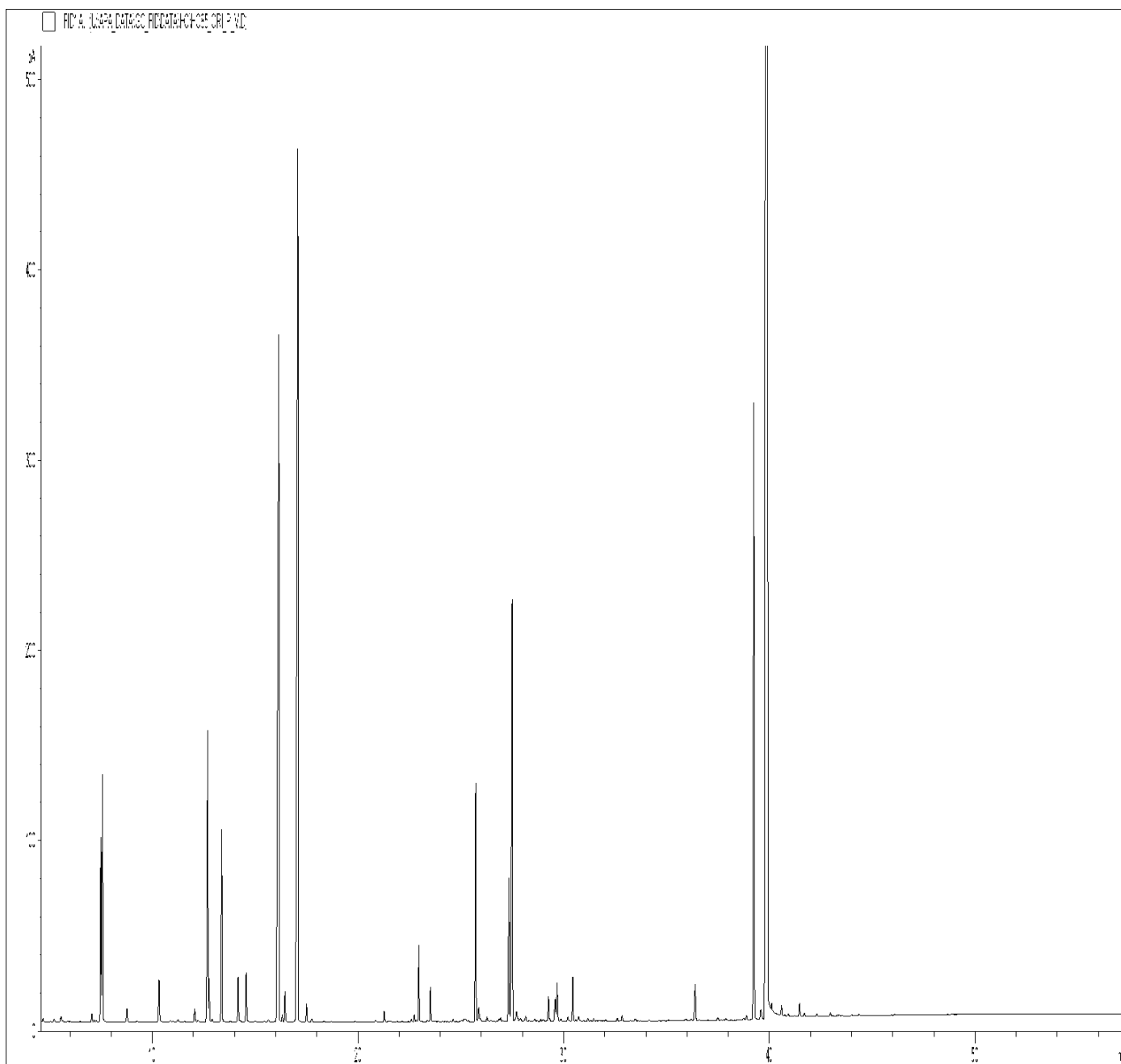
Best Before : January, 2027

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
Appearance	: Light yellow to reddish yellow liquid.	Complies
Odor	: Characteristic pungent warm spicy odor.	Complies
Solubility	: Soluble in alcohol and oils. Insoluble in water.	Complies
Specific Gravity	: 0.932 to 0.960 @ 25°C	0.947
Optical Rotation	: -2.0° to +3.0° @ 25°C	0°
Refractive Index	: 1.500 to 1.513 @ 20°C	1.508
Carvacrol	: ≥ 60 %	68.7%

GCMS ANALYSIS

PRODUCT NAME: ORIGANUM ESSENTIAL OIL (ORIGANUM VULGARE) - 11306

DATE: May 30, 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: ORIGANUM ESSENTIAL OIL (ORIGANUM VULGARE) - 11306

Peak	RT (min)	Compound name	%
1	4,70	ACETONE	0,01
2	5,53	BUTANAL, 2-METHYL-	0,01
3	5,58	ISOVALERALDEHYDE	0,02
4	7,06	METHYL 2-METHYLBUTYRATE	0,04
5	7,16	TRICYCLENE	0,01
6	7,27	METHYL ISOVALERATE	0,01
7	7,50	alpha-PINENE	0,91
8	7,58	alpha-THUYENE	1,10
9	8,77	CAMPHENE	0,08
10	10,33	beta-PINENE	0,26
11	10,88	SABINENE	0,01
12	11,25	THUYA-2,4-DIENE	0,01
13	12,07	delta3-CARENE	0,08
14	12,23	3-HEPTANONE	0,01
15	12,70	beta-MYRCENE	1,73
16	12,77	alpha-PHELLANDRENE	0,19
17	12,92	psi-LIMONENE	0,02
18	13,38	alpha-TERPINENE	1,09
19	14,18	LIMONENE	0,26
20	14,57	beta-PHELLANDRENE	0,29
21	15,65	cis-beta-OCIMENE	0,01
22	16,15	gamma-TERPINENE	5,45
23	16,33	trans-beta-OCIMENE	0,03
24	16,46	3-OCTANONE	0,15
25	17,08	p-CYMENE	6,64
26	17,50	TERPINOLENE	0,09
27	17,75	METHYL (E)-2-HEXENOATE	0,02
28	20,87	3-HEXEN-1-OL	0,01
29	21,28	3-OCTANOL	0,05
30	22,60	COMPOUND Mw=152	0,01

GCMS ANALYSIS (cont'd,)

PRODUCT NAME: ORIGANUM ESSENTIAL OIL (ORIGANUM VULGARE) - 11306

Peak	RT (min)	Compound name	%
31	22,75	alpha,p-DIMETHYLSTYRENE	0,04
32	22,85	LINALOOL cis-OXIDE	0,01
33	22,97	1-OCTEN-3-OL	0,35
34	23,53	trans-THUYANOL	0,17
35	24,63	alpha-COPAENE	0,01
36	25,16	CAMPHOR	0,04
37	25,23	beta-BOURBONENE	0,02
38	25,73	LINALOOL	1,12
39	25,87	cis-THUYANOL	0,10
40	25,96	LINALYL ACETATE	0,01
41	26,28	trans-p-MENTH-2-EN-1-OL	0,03
42	26,86	ISOCARYOPHYLLENE	0,02
43	26,94	BORNYL ACETATE	0,02
44	27,34	TERPINENE-4-OL	0,82
45	27,50	beta-CARYOPHYLLENE	2,76
46	27,68	HOTRIENOL	0,03
47	27,72	cis-DIHYDROCARVONE	0,06
48	27,76	AROMADENDRENE	0,02
49	27,91	cis-p-MENTH-2-EN-1-OL	0,03
50	28,16	trans-DIHYDROCARVONE	0,04
51	28,60	trans-PINOCARVEOL	0,02
52	28,90	ISOBORNEOL	0,01
53	29,00	E-beta-FARNESENE	0,02
54	29,27	alpha-HUMULENE	0,13
55	29,35	cis-PIPERITOL	0,03
56	29,60	alpha-TERPINEOL	0,16
57	29,69	BORNEOL	0,23
58	29,87	gamma-MUUROLENE	0,02
59	30,21	TERPENIC COMPOUND	0,03
60	30,30	NERYL ACETATE	0,01

GCMS ANALYSIS (cont'd)

PRODUCT NAME: ORIGANUM ESSENTIAL OIL (ORIGANUM VULGARE) - 11306

Peak	RT (min)	Compound name	%
61	30,45	beta-BISABOLENE	0,25
62	30,59	SESQUITERPENE	0,01
63	30,74	CARVONE	0,04
64	31,18	trans-PIPERITOL	0,02
65	31,47	delta-CADINENE	0,02
66	32,04	MYRTENOL	0,01
67	32,60	trans-ANETHOL	0,02
68	32,84	p-CYMENE-8-OL	0,04
69	33,49	CARVACRYL ACETATE	0,02
70	35,96	ISOCARYOPHYLLENE OXIDE	0,02
71	36,39	CARYOPHYLLENE OXIDE	0,27
72	37,50	EPOXY-6,7-HUMULENE	0,02
73	37,89	CUMINOL	0,01
74	38,74	SPATHULENOL	0,02
75	38,89	ISOTHYMOL	0,03
76	39,24	THYMOL	3,75
77	39,59	ISOCARVACROL	0,08
78	39,88	CARVACROL	70,09
79	40,11	PHENOLIC COMPOUND Mw=150	0,02
80	40,59	PHENOLIC COMPOUND Mw=150	0,06
81	40,92	GERANYLGERANIADIENE	0,02
82	41,47	PHENOLIC COMPOUND Mw=150	0,08
83	41,71	CARYOPHYLLA-2,6-DIEN-5-alpha-OL	0,03
84	42,30	PHENOLIC COMPOUND Mw=150	0,02
85	42,97	SESQUITERPENIC OXIDE	0,02
86	43,39	AROMATIC COMPOUND	0,01
87	44,01	AROMATIC COMPOUND	0,01
		TOTAL	99,93

Limitación de Responsabilidad

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