

SAFETY DATA SHEET (SDS)

Version 2.0

Revision Date : April 22,2022

Print Date : March 13, 2023

1. PRODUCT AND COMPANY IDENTIFICATION

Product name	:	Peppermint Essential Oil (Supreme) - Verified By ECOCERT /Cosmos Approved
Botanical name	:	Mentha piperita
INCI name	:	Mentha Piperita Oil
CAS #	:	8006-90-4
Country of Origin	:	India
EINECS #	:	282-015-4
Product use	:	Domestic and Industrial

2. HAZARDS IDENTIFICATION

Emergency Overview

GHS Classification

Flammable liquids - Category 4

Acute toxicity, oral - Category 5

Aspiration hazard - Category 1

Skin corrosion/irritation - Category 2

Skin corrosion/irritation - Category 3

Skin sensitization - Category 1

Serious eye damage/eye irritation - Category 2A

Hazardous to the aquatic environment, acute hazard - Category 2

Hazardous to the aquatic environment, long-term hazard - Category 2

GHS Label elements, including precautionary statements



Signal: Danger

Hazard statement(s)

H227	Combustible Liquid.
H303	May be harmful if swallowed.
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)

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261	Avoid breathing dust/fumes/gas/mist/vapours/spray.
P264	Wash 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.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P302+P352	IF ON SKIN: Wash with plenty of water.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.
P312	Call a POISON CENTER/ doctor/if you feel unwell.
P321	Specific treatment (see section 4 on this label).
P331	Do NOT induce vomiting.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P333	If skin irritation or a rash occurs: Get medical advice/attention.
P337+P313	If eye irritation persists get medical advice/attention.
P362	Take off contaminated clothing.
P363	Wash contaminated clothing before reuse.
P370+P378	In case of fire: Use foam to extinguish.
P391	Collect spillage.
P403+P235	Store in a well ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container according to local regulations.

3. COMPOSITION / INFORMATION INGREDIENTS

Product Name	CAS NO	EC NO	Concentration
Mentha Piperita Leaf Oil	8006-90-4	- / 282-015-4	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

Use water spray, alcohol-resistant foam, dry chemical or 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

Avoid inhalation of vapour or mist.

Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge.

Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed

and kept upright to prevent leakage.

Recommended storage temperature 2 - 8 °C

Light sensitive

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Eyes

Avoid eye contact. Chemical safety goggles recommended when handling large amounts.

Skin

None normally required. Wear impervious gloves such as rubber if prolonged contact is likely.

Respiratory

None normally required.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	Colorless ,Pale yellow or Pale -Greenish Yellow liquid.
Odor	:	Characteristic fresh, cool, taste, sweet, herbaceous woody odor.
Flash point	:	70°C
Relative density	:	0.900 - 0.916 @ 25°C
Solubility (ies)	:	Soluble in alcohol and oils. Insoluble in water.
Refractive index	:	1.457 - 1.467 @ 25°C
Optical rotation	:	-30° to -10° @ 25°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

LD50 Oral - Rat - 1240 mg/kg

LD50 Dermal- Rabbit - 5000 mg/kg

Inhalation

May be harmful if inhaled. May cause respiratory tract irritation.

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

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

3082

UN proper shipping name

Environmentally hazardous substance, liquid, n.o.s. (Peppermint oil)

Transport hazard class

9

Packing group

III

US DOT Shipping Description (Land)

3082

Proper shipping name

Environmentally hazardous substance, liquid, n.o.s. (Peppermint oil)

Class

9

Packaging group

III

IMO-IMDG Shipping Description (Sea)

3082

Proper shipping name

Environmentally hazardous substance, liquid, n.o.s. (Peppermint oil)

Class

9

Packaging group

III

IMO-IMDG code

3082

IMDG-Marine pollution

IATA Shipping Description (Air)

3082

Proper shipping name

Environmentally hazardous substance, liquid, n.o.s. (Peppermint oil)

Class

9

Packaging group

III

Emergency action in case of accident

Notify police and fire department immediately

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

See section 2.

GHS Precautionary Statements

See section 2.

16. OTHER INFORMATION

Revision date : April 22,2022

CERTIFICATE OF ANALYSIS

Product : **Peppermint Essential Oil (Supreme) - Verified by ECOCERT / Cosmos Approved**

Lot No : 11114A11022

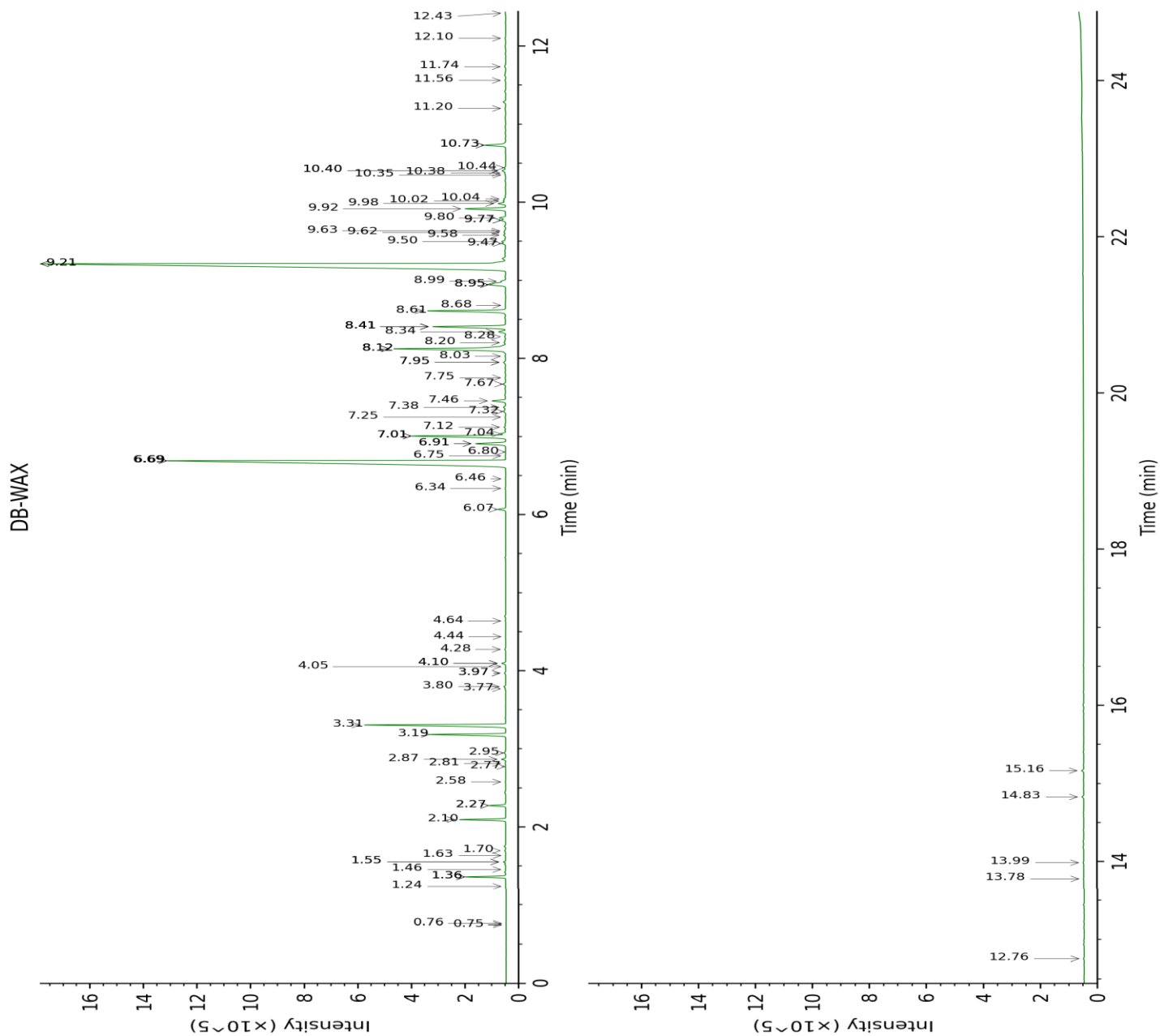
Best Before : June, 2025

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
Appearance	: Colorless to very pale yellow liquid.	Complies
Odor	: Characteristic odor of mint	Complies
Solubility	: Insoluble in water.	Complies
Specific Gravity	: 0.900 to 0.916 @ 20°C	0.901
Optical Rotation	: -10° to -30° @ 20°C	-23.25°
Refractive Index	: 1.457 to 1.467 @ 20°C	1.461
L-Limonene	: 1.0 - 3.5%	2.45
Cineole	: 3.5 - 8.0%	5.16
L-Menthone	: 14.0- 32.0%	24.67
Menthofuran	: 1.0 - 8.0%	1.42
Iso-Menthone	: 1.5 - 10.0%	4.00
Menthyl Acetate	: 2.8 - 10.0%	4.93
Iso-Pulegone	: max 0.2%	0.11
Pulegone	: max 3.5%	0.51
L-Menthol	: 30.0 - 55.0%	37.92

GCMS ANALYSIS

PRODUCT NAME: PEPPERMINT ESSENTIAL OIL (SUPREME) - VERIFIED BY ECOCERT / COSMOS APPROVED-11114

DATE: 25 April,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: PEPPERMINT ESSENTIAL OIL (SUPREME) - VERIFIED BY ECOCERT / COSMOS APPROVED-11114

Peak	RT (min)	Compound name	%
1	0,54	ISOVALERAL	tr
2	0,57	2-METHYLBUTYRAL	tr
3	2,39	<i>trans</i> -2,5DIETHYLTETRAHYDROFURAN	0,05
4	2,64	HASHISHENE	0,01
5	2,68	TRICYCLENE	tr
6	2,79	α -THUJENE	0,03
7	2,86	α -PINENE	1,08
8	3,05*	α -FENCHENE	0,07
9	3,05*	<i>trans</i> -3-METHYLCYCLOHEXANOL	[0,07]
10	3,05*	CAMPHENE	[0,07]
11	3,08	3-METHYLCYCLOHEXANONE	[0,07]
12	3,15	THUJA-2,4(10)-DIENE	0,01
13	3,47*	β -PINENE	1,98
14	3,47*	<i>cis</i> -PARA-MENTHANE	[1,98]
15	3,47*	SABINENE	[1,98]
16	3,62	OCTEN-3-OL	0,04
17	3,68*	OCTAN-3-ONE	0,04
18	3,68*	<i>trans</i> -PARA-MENTHANE	[0,04]
19	3,79	MYRCENE	0,14
20	3,93*	α -PHELLANDRENE	0,31
21	3,93*	PSEUDOLIMONENE	[0,31]
22	3,93*	OCTAN-3-OL	[0,31]
23	4,00	δ 3-CARENE	0,02
24	4,12	α -TERPINENE	0,06
25	4,19	meta-CYMENE	0,02
26	4,25	para-CYMENE	0,12
27	4,34*	LIMONENE	8,22
28	4,34*	1,8-CINEOLE	[8,22]
29	4,38	2-ETHYLHEXANOL	0,01
30	4,53	(<i>Z</i>)-B-OCIMENE	0,03

GCMS ANALYSIS (cont'd.)

PRODUCT NAME: PEPPERMINT ESSENTIAL OIL (SUPREME) - VERIFIED BY ECOCERT / COSMOS APPROVED-11114

Peak	RT (min)	Compound name	%
31	4,68	(E)-B-OCIMENE	0,04
32	4,79	γ-TERPINENE	0,05
33	4,95*	cis-SABINENE HYDRATE	0,04
34	4,95*	para-MENTHA-3,8-DIENE	[0,04]
35	5,03	cis-LINALOOL OXIDE (FUR.)	0,01
36	5,14	OCTANOL	0,02
37	5,24	TERPINOLENE	0,04
38	5,28	PARA-CYMENENE	[0,04]
39	5,42	trans-SABINENE HYDRATE	0,01
40	5,55*	LINALOOL	0,07
41	5,55*	2-METHYLBUTYL 2- METHYLBUTYRATE	[0,07]
42	6,06	trans-SABINOL	0,01
43	6,18	ISOPULEGOL	0,08
44	6,33	MENTHONE	24,94
45	6,44*	MENTHOFURAN	7,82
46	6,44*	ISOMENTHONE	[7,82]
47	6,52*	NEO-MENTHOL	[7,82]
48	6,52*	δ-TERPINEOL	[7,82]
49	6,76*	MENTHOL	36,46
50	6,76*	TERPINEN-4-OL	[36,46]
51	6,80	ISOMENTHOL	0,44
52	6,91*	α-TERPINEOL	0,43
53	6,91*	NEOISO-MENTHOL	[0,43]
54	6,93	MYRTENAL	[0,43]
55	7,01	trans-ISOPIPERITENOL	0,06
56	7,06	UNKNOWN [M/Z 43, 99(84), 81 (46), 986 (43),126 (36), 71 (28),,, 170(12)]	0,05
57	7,09	trans-PIPERITOL	0,01
58	7,30	cis-ISOPIPERITENOL	0,01
58	7,50	cis-CARVEOL	0,02
59	7,57*	PULEGONE	0,75
60	7,57*	CITRONELLOL	[0,75]

GCMS ANALYSIS (cont'd.)

PRODUCT NAME: PEPPERMINT ESSENTIAL OIL (SUPREME) - VERIFIED BY ECOCERT / COSMOS APPROVED-11114

Peak	RT (min)	Compound name	%
61	7,66	CARVONE	0,05
62	7,81	PIPERITONE	1,66
63	8,00	ISOPIPERITENONE	0,01
64	8,16	NEO-MENTHYL ACETATE	0,05
65	8,23*	UNKNOWN [M/Z 119, 79 (94), 91 (0), 84 (80), 93 (68),,,]	5,16
66	8,23*	DECANOL	[5,16]
67	8,46	MENTHYL ACETATE	[5,16]
68	8,49	DIHYDROEDULAN II	0,04
69	8,55	THYMOL	0,01
70	8,61	ISOMENTHYL ACETATE	0,04
71	8,77	NEOISO-MENTHYL ACETATE?	0,02
72	9,00	BICYCLOELEMENE	0,02
73	9,08	PIPERITENONE	0,01
74	9,19	α -CUBEBENE	0,04
75	9,24	EVODONE	0,02
76	9,36	EUGENOL	0,07
77	9,47	α -YLANGENE	0,04
78	9,54	α -COPAENE	0,08
79	9,57	β -BOURBONENE ISOMER	0,09
80	9,65*	β -BOURBONENE	0,60
81	9,65*	1,5-DIEPI-B- BOURBONENE	[0,60]
82	9,75	β -CUBEBENE	0,03
83	9,79	β -ELEMENE	0,36
84	9,88*	LONGIFOLENE	0,14
85	9,88*	UNKNOWN [M/Z 107, 121 (79), 119 (66), 91(58), 136 (55), 105 (49),,, 194 (1)]	[0,14]
86	9,95	UNKNOWN [M/Z 106,119 (99), 43 (78), 91(74), 105 (60)134(55),,, 204 (19)]	0,09
87	10,01	ISOCARYOPHYLLENE	0,14
88	10,06	UNKNOWN [M/Z 109, 95(88), 69 (66), 135 (56),82 (54), 41(45),,,]	0,03
89	10,12*	β -YLANGENE	3,72
90	10,12*	β -CARYOPHYLLENE	[3,72]

GCMS ANALYSIS (cont'd,)

PRODUCT NAME: PEPPERMINT ESSENTIAL OIL (SUPREME) - VERIFIED BY ECOCERT / COSMOS APPROVED-11114

Peak	RT (min)	Compound name	%
91	10,23	UNKNOWN [M/Z 109, 81 (79), 95 (73), 68 (63), 82(55), 69 (54), 55 (51),163 (47),,,]	0,12
92	10,26	β -COPAENE	0,37
93	10,40	<i>trans</i> - α -BERGAMOTENE	0,09
94	10,46	ISOGERMACRENE D	0,18
95	10,57	α -HUMULENE	0,68
96	10,74	(<i>E</i>)- β -FARNESENE	0,13
97	10,91	γ -MUUROLENE	0,12
98	10,95	GERMACRENE D	0,21
99	11,16*	VIRIDIFLORENE	0,40
100	11,16*	BICYCLOGERMACRENE	[0,40]
101	11,24	α -MUUROLENE	0,06
102	11,40	γ -CADINENE	0,05
103	11,54	δ -CADINENE	0,11
104	12,14	(<i>E</i>)-NEROLIDOL	0,01
105	12,22	CARYOPHYLLENE OXIDE	0,01
106	12,39	VIRIDIFLOROL	0,02
		TOTAL	98,83%

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