

## 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)

H303  
 H304  
 H315  
 H317  
 H411

Combustible Liquid.  
 May be harmful if swallowed.  
 May be fatal if swallowed and enters airways.  
 Causes skin irritation.  
 May cause an allergic skin reaction.  
 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.

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

### 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

**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](http://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](http://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

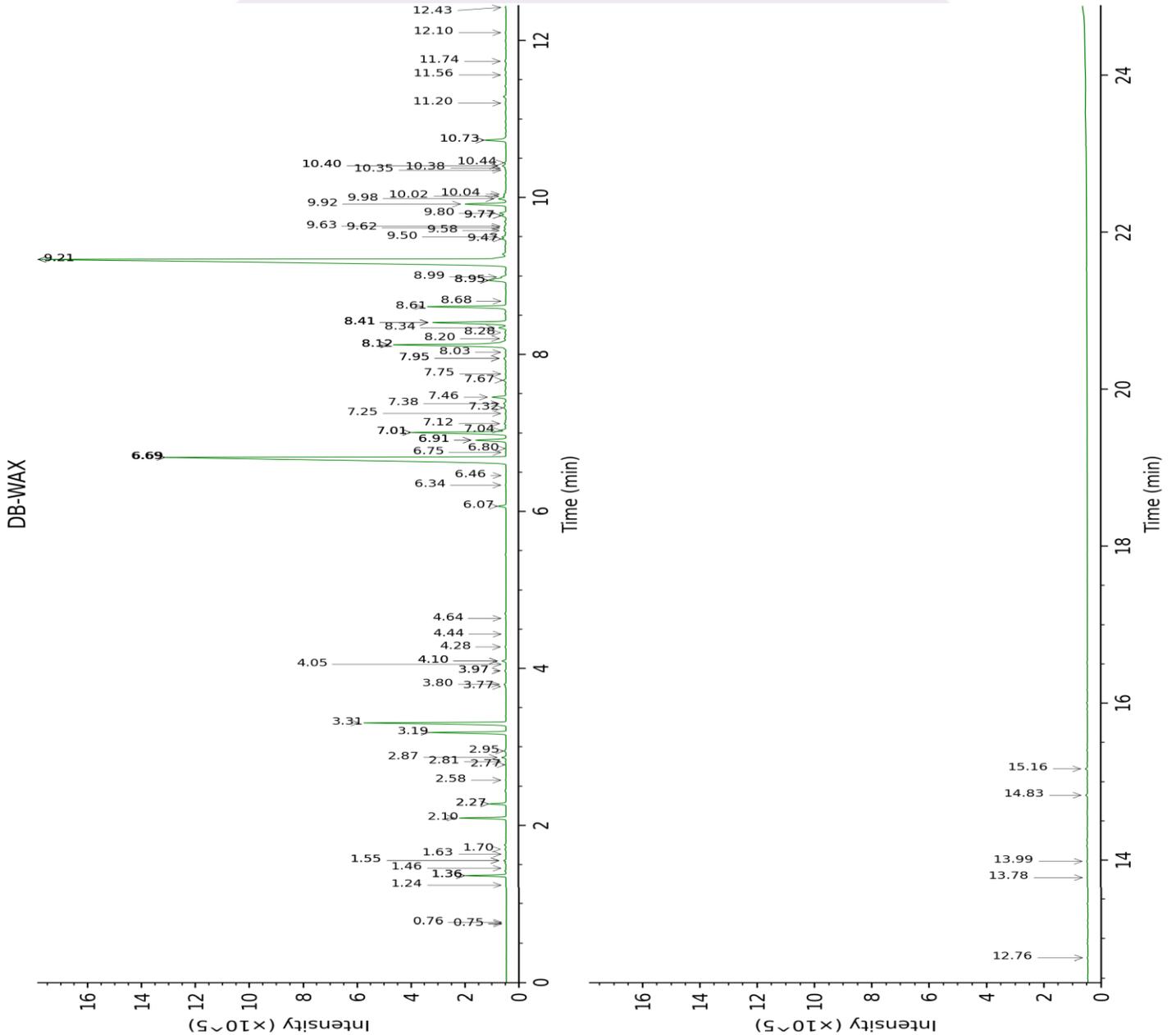
**Product** : Peppermint Essential Oil (Supreme) - Verified by ECOCERT / Cosmos Approved  
**Lot No** : 11114A11022  
**Best Before** : June, 2025

<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 <sup>®</sup>
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-Pulegole	: 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	$\alpha$ -THUJENE	0,03
7	2,86	$\alpha$ -PINENE	1,08
8	3,05*	$\alpha$ -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*	$\beta$ -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*	$\alpha$ -PHELLANDRENE	0,31
21	3,93*	PSEUDOLIMONENE	[0,31]
22	3,93*	OCTAN-3-OL	[0,31]
23	4,00	$\delta$ 3-CARENE	0,02
24	4,12	$\alpha$ -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**

<b>Peak</b>	<b>RT (min)</b>	<b>Compound name</b>	<b>%</b>
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	$\alpha$ -CUBEBENE	0,04
75	9,24	EVODONE	0,02
76	9,36	EUGENOL	0,07
77	9,47	$\alpha$ -YLANGENE	0,04
78	9,54	$\alpha$ -COPAENE	0,08
79	9,57	$\beta$ -BOURBONENE ISOMER	0,09
80	9,65*	$\beta$ -BOURBONENE	0,60
81	9,65*	1,5-DIEPI-B- BOURBONENE	[0,60]
82	9,75	$\beta$ -CUBEBENE	0,03
83	9,79	$\beta$ -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*	$\beta$ -YLANGENE	3,72
90	10,12*	$\beta$ -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	$\beta$ -COPAENE	0,37
93	10,40	<i>trans</i> - $\alpha$ -BERGAMOTENE	0,09
94	10,46	ISOGERMACRENE D	0,18
95	10,57	$\alpha$ -HUMULENE	0,68
96	10,74	( <i>E</i> )- $\beta$ -FARNESENE	0,13
97	10,91	$\gamma$ -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	$\alpha$ -MUUROLENE	0,06
102	11,40	$\gamma$ -CADINENE	0,05
103	11,54	$\delta$ -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
		<b>TOTAL</b>	<b>98,83%</b>

**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. LTSH, 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 LTSH, 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 LTSH se limita al valor de los bienes y no incluye ninguna pérdida consecuente. LTSH no será responsable de ningún error o demora en el contenido, ni de ninguna acción tomada en base al mismo. Lottush no será responsable de ningún daño que resulte del uso o la confianza en esta información.