

Botanical name :	Mentha piperita	Specific gravity :	0.900–0.916
INCI name :	Mentha Piperita Oil	Refractive index :	1.457–1.467
Quality :	100% Pure and Natural	Optical rotation at 20°C :	-30° to -10°
Solubility :	Soluble in alcohols and fixed oils; Insoluble in water		
Odour :	Bright, Light, Cooling	Parts used :	Aerial Parts
Note classification :	Top to Middle Note	Extraction Method :	Steam Distilled Essential oil
Appearance :	Clear, Mobile Liquid	Cultivation :	Certified Organic
Colour :	Colorless to Pale Yellow		
CAS-No :	8006-90-4	Stability & Storage :	Keep in tightly closed container in a cool and dry place from 15°C (59°F) to 16°C (60.8°F). Avoid exposure to light. When stored for more than 24 months, quality should be checked before use.
EINECS :	282-015-4		
Aroma :	Conforms to standard	Refractive Index (USP <831>) :	1.461
Appearance :	Conforms to standard	Specific Gravity (USP <841>) :	0.902
Color :	Conforms to standard	Optical Rotation (USP <781>) :	-23.5°
Product name :	Peppermint Essential oil	BATCH No :	E1001504
Product Type :	Essential oil	Date of Production :	June 2024
Label Name :	Greek Peppermint Organic Essential Oil	Date of Expiration :	June 2029
		Origin :	Greece

GC ANALYSIS

Compounds	CAS No	%	Chemical Family
1,8-Cineole	470-82-6	5.48	Monoterpenic Ether
Menthone	89-80-5	26.47	Monoterpenic Ketone
Menthofurane	494-90-6	2.99	Hydrocarbon
Isomenthone	491-07-6	3.75	Monoterpenic Ketone
Menthol	2216-51-5	34.67	Monoterpenic Alcohol
Neomenthol	2216-51-5	2.93	Monoterpenic Alcohol
Pulegone	15932-80-6	0.96	Hydrocarbon
Menthyl Acetate	89-48-5	4.30	Monoterpenic Ester
Isopulegol	89-79-2	0.02	Monoterpenic Alcohol
Carvone	99-49-0	0.01	Monoterpenic Ketone
Limonene	5989-27-5	2.58	Monoterpene
Beta-Caryophyllene	87-44-5	3.20	Sesquiterpene

Analysis Method: Gas chromatography (GC/FID) area % according to normalization method.

MSDS Greek Peppermint Organic Essential Oil

1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifiers

Product name Peppermint Oil

Brand Vessel Essential oils

CAS-No. 8006-90-4

1.2 Identified uses Laboratory chemicals, Manufacture of substances

1.3 Supplier

Manufacturer Vessel Essential oils, Farmakeika Neo Risio, Greece

Importer / Distributor (EU) AW Nexus Group, ul. Olimpijska 2, 81-538 Gdynia NIP: 5881771302 | Tel 786 686 068

<https://aromapremium.eu/> | kontakt@aromapremium.eu

1.4 Emergency telephone numbers (24h): Kraków: +48 12 411 99 99 | Warszawa: +48 22 619 08 97 | Gdańsk: +48 58 682 04 04

For other EU countries: please contact your local National Poison Control Centre (<https://poisoncentres.echa.europa.eu>)

2. HAZARDS IDENTIFICATION

2.1 Classification Flammable liquids (Category 4), H227 GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

2.2 GHS Label elements

Pictogram none

Signal word Warning

H227 Combustible liquid.

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.

P403 + P235 Store in a well-ventilated place. Keep cool.

P501 Dispose of contents/ container to an approved waste disposal plant.

2.3 HNOX none

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

CAS-No. 8006-90-4

Component	Classification	Concentration
Oils, peppermint	Flam. Liq. 4; H227	<= 100 %

4. FIRST AID MEASURES

4.1 General advice Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

If inhaled If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact Wash off with soap and plenty of water. Consult a physician.

In case of eye contact Flush eyes with water as a precaution.

If swallowed Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.2 Symptoms The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.

4.3 Immediate treatment No data available

5. FIREFIGHTING MEASURES

5.1 Extinguishing media For small (incipient) fires, use media such as alcohol foam, dry chemical, or carbon dioxide. For large fires, apply water from as far as possible. Use very large quantities (flooding) of water applied as a mist or spray; solid streams of water may be ineffective. Cool all affected containers with flooding quantities of water.

5.2 Special hazards No data available

5.3 Advice for firefighters Wear self-contained breathing apparatus for firefighting if necessary.

5.4 Further information Use water spray to cool unopened containers.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas. For personal protection see section 8.

6.2 Environmental precautions Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

6.3 Containment and clean up Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13). Keep in suitable, closed containers for disposal.

6.4 Reference For disposal see section 13.

7. HANDLING AND STORAGE

7.1 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. For precautions see section 2.2.

7.2 Safe storage 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.

7.3 Specific end use(s) Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Component	CAS-No.	Value	Control parameters Basis
Oils, peppermint	8006-90-4	TWA	10.000000 mg/m3 USA. NIOSH Recommended Exposure Limits
		TWA	5.000000 mg/m3 USA. NIOSH Recommended Exposure Limits

8.2 Engineering controls Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

MSDS Greek Peppermint Organic Essential Oil

Eye/face protection Safety glasses with side-shields conforming to EN166. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

Skin protection Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body protection Impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator.

Environmental exposure Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

9. PHYSICAL AND CHEMICAL PROPERTIES

a) **Appearance** Form: clear, liquid

b) **Odour** No data available

c) **Odour Threshold** No data available

d) **pH** No data available

e) **Melting point/freezing point** No data available

f) **Initial boiling point** No data available

g) **Flash point 65 °C (149 °F) - closed cup**

h) **Evaporation rate** No data available

i) **Flammability (solid, gas)** No data available

j) **Flammability/explosive limits** No data available

k) **Vapour pressure** No data available

l) **Vapour density** No data available

m) **Relative density 0.896g/cm³ at 25 °C (77 °F)**

n) **Water solubility** No data available

o) **Partition coefficient** No data available

p) **Auto-ignition temperature** No data available

q) **Decomposition temperature** No data available

r) **Viscosity** No data available

s) **Explosive properties** No data available

t) **Oxidizing properties** No data available

9.2 **Other safety information** No data available

10. STABILITY AND REACTIVITY

10.1 **Reactivity** No data available

10.2 **Chemical stability** Stable under recommended storage conditions.

10.3 **Hazardous reactions** No data available

10.4 **Conditions to avoid** Heat, flames and sparks.

10.5 **Incompatible materials** No data available

10.6 **Hazardous decomposition** In the event of fire: see section 5.

11. TOXICOLOGICAL INFORMATION

11.1 **Acute toxicity** No data available

Inhalation In high concentrations, vapors may irritate throat and respiratory system and cause coughing.

Skin corrosion/irritation No specific health warnings noted.

Serious eye damage No data available

Respiratory/skin sensitisation No data available

Germ cell mutagenicity No data available

Carcinogenicity (IARC) No component of this product present at levels $\geq 0.1\%$ is identified as probable, possible or confirmed human carcinogen by IARC.

Carcinogenicity (ACGIH) No component of this product present at levels $\geq 0.1\%$ is identified as a carcinogen or potential carcinogen by ACGIH.

Carcinogenicity (NTP) No component of this product present at levels $\geq 0.1\%$ is identified as a known or anticipated carcinogen by NTP.

Carcinogenicity (OSHA) No component of this product present at levels $\geq 0.1\%$ is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity No data available

Target organ toxicity (single) No data available

Target organ toxicity (repeated) No data available

Aspiration hazard No data available

Additional information Dermatitis. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

12. ECOLOGICAL INFORMATION

12.1 **Ecotoxicity** 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 **PBT and vPvB assessment** PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.

12.6 **Other adverse effects** No data available

13. DISPOSAL CONSIDERATIONS

13.1 **Waste treatment** This combustible material may be burned in a chemical incinerator equipped with an afterburner and scrubber. Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging Dispose of as unused product.

14. TRANSPORT INFORMATION

MSDS Greek Peppermint Organic Essential Oil

UN Number N/A

UN Proper shipping name N/A

Road (U.S. DOT) Not dangerous goods

Air (IATA) Not dangerous goods

Sea (IMDG) Not dangerous goods

Packing group N/A

Proper shipping name Not regulated

Poison Inhalation Hazard No

Class NONE

15. REGULATORY INFORMATION

SARA 302 Components No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards Fire Hazard

Massachusetts RTK No components are subject to the Massachusetts Right to Know Act.

Pennsylvania RTK Oils, peppermint — CAS-No. 8006-90-4 — Revision Date 2018-08-11

New Jersey RTK Oils, peppermint — CAS-No. 8006-90-4 — Revision Date 2018-08-11

California Prop. 65 This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

16. OTHER INFORMATION

H-Statements Flam. Liq. — Flammable liquids H227 — Combustible liquid.

HMIS Rating Health hazard: 1 | Chronic Health Hazard: — | Flammability: 2 | Physical Hazard: 0

NFPA Rating Health hazard: 0 | Fire Hazard: 2

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