



## SAFETY DATA SHEET

GHS: According to 2015/830/EU

Code Number: *EO100750*

Version 4 Revised 6/12/2022

### Section 1. Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product Identifier

Product Name	PEPPERMINT OIL BP
Code Number	EO100750 - ESPEP
Alternative Name	INCI Name: Mentha Piperita Flower/Leaf/Stem Oil
REACH Reg No	Not registered

1.2 Relevant identified uses of the substance or mixture and uses advised against  
Concentrated material for manufacturing purposes only.

#### 1.3 Details of the supplier of the safety data sheet

Pure Ingredients  
626A Rosebank Road, Avondale  
Auckland 1026  
New Zealand

Telephone Number	+09 813 5619
Email Address	compliance@pureingredients.co.nz

**1.4 Emergency Tel No** 111 / NZ Poisons Centre **0800 POISON** (0800 764 766)  
Emergency Response: 0800 CHEMCALL / 0800 243 622 (24hr)

### Section 2. Hazard Identification

#### 2.1 Classification of the substance or mixture

FL 4 (3.1D)	Flammable liquid, category 4
ATO 5	Acute toxicity, oral, category 5
SCI 2 (6.3A)	Skin corrosion/irritation, category 2
SS 1 (6.5B)	Skin sensitisation, category 1
EDI 2A	Eye damage/irritation, category 2A
EH A2	Aquatic hazard, acute, category 2
EH C3 (9.1C)	Aquatic hazard, chronic, category 3

#### 2.2 Label elements

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GHS classification according to Regulation (EC) No 1272/2008

Hazard Pictograms



Signal Word                      Warning

Hazard Statements

- |      |   |
|------|---|
| H227 | Combustible liquid                                |
| H315 | Causes skin irritation                            |
| H317 | May cause an allergic skin reaction               |
| H319 | Causes serious eye irritation                     |
| H412 | Harmful to aquatic life with long lasting effects |

Precautionary Statements

- |           |  |
|-----------|--|
| P210      | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
| P261      | Avoid breathing fumes.   |
| P264      | Wash hands thoroughly after handling   |
| P273      | Avoid release to the environment.  |
| P280      | Wear protective gloves and eye protection  |
| P312      | Call a POISON CENTRE if you feel unwell.   |
| P333+P313 | If skin irritation or rash occurs: Get medical advice.   |
| P337+P313 | If eye irritation persists: Get medical attention.   |
| P362+P364 | Take off contaminated clothing and wash it before reuse.                                       |
| P403+P235 | Store in a well-ventilated place. Keep cool.   |
| P501      | Dispose of contents and container in accordance to local regulations.                          |

## 2.3 Other Hazards

Contains Limonene and Linalool which may produce an allergic reaction

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No further information available at this time

## Section 3. Composition / information on ingredients

Any percentage values listed here for hazardous components are for illustrative purposes only

### 3.1 Substances

Description PEPPERMINT OIL BP  
EC/EINECS 282-015-4  
CAS Number 84082-70-2  
USCAS Number 8006-90-4

### Hazardous components

ID Numbers	Chemical Name, Classification and Hazards	Conc (%)
CAS 89-78-1 EINECS 201-939-0 REACH	Menthols ATO 5(2300); EDI 2A; SCI 2; EH A3 H303, H315, H319, H402	40.0800
CAS 10458-14-7 EINECS 233-944-9 REACH	Menthone FL 4; ATO 5(2500); SCI 2; SS 1B; EH A3 H227, H303, H315, H317, H402	26.3200
CAS 470-82-6 EINECS 207-431-5 REACH	Cineols (Eucalyptol) FL 3; ATO 5(2480); SS 1B H226, H303, H317	5.6500
CAS 89-48-5 EINECS 201-911-8 REACH	Menthyl acetate FL 4; SCI 3; EH A2, C2 H227, H316, H401, H411	5.1200
CAS 491-07-6 EINECS 207-727-4 REACH	d,l-Isomenthone FL 4; SCI 2; SS 1B; EH A3 H227, H315, H317, H402	3.6800
CAS 5989-27-5 EINECS 227-813-5 REACH	d-Limonene (p-Mentha-1,8-diene) FL 3; SCI 2; SS 1B; AH 1; EH A1, C1 H226, H304, H315, H317, H400, H410	3.2100
CAS 494-90-6 EINECS 207-795-5 REACH	Menthofuran (4,5,6,7-Tetrahydro-3,6-dimethylbenzofuran) ATO 4(500); SCI 2; EDI 2A; EH A2, C2 H302, H315, H319, H401, H411	2.9300
CAS 87-44-5 EINECS 201-746-1 REACH	Caryophyllene AH 1; SS 1B H304, H317	2.6600
CAS 127-91-3 EINECS 204-872-5 REACH	beta-Pinene FL 3; ATO 5(3700); AH 1; SCI 2; SS 1B; EH A1, C1 H226, H303, H304, H315, H317, H400, H410	1.3000

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CAS 80-56-8 EINECS 201-291-9 REACH	Pinenes FL 3; ATO 4; AH 1; SCI 2; SS 1; EH A1, C1 H226, H302, H304, H315, H317, H400, H410	0.9500
CAS 15932-80-6 EINECS 240-070-1 REACH	Pulegone FL 4; ATO 4(470); ATD 5(3100); SCI 3 H227, H302, H313, H316	0.7600
CAS 3387-41-5 EINECS 222-212-4 REACH	Thuj-4(10)-ene ATO 4(2000) H302	0.5400
CAS 99-49-0 EINECS 202-759-5 REACH	Carvone ATD 5(3800); SS 1B; EH A3 H313, H317, H402	0.3700
CAS 491-02-1 EINECS 207-724-8 REACH	Neoisomenthol FL 4; ATO 5(2600); EDI 2A; SCI 2; EH A3 H227, H303, H315, H319, H402	0.3300
CAS 18794-84-8 EINECS 242-582-0 REACH	beta-Farnesene AH 1; SCI 3 H304, H316	0.3000
CAS 89-81-6 EINECS 201-942-7 REACH	Piperitones ATO 5(3550); SCI 2; EH A3 H303, H315, H402	0.2900
CAS 37839-63-7 EINECS - REACH	germacrene D AH 1 H304	0.2700
CAS 106-68-3 EINECS 203-423-0 REACH	octan-3-one FL 3; SCI 2 H226, H315	0.2300
CAS 123-35-3 EINECS 204-622-5 REACH	beta-Myrcene FL 3; AH 1; SCI 2; EDI 2A H226, H304, H315, H319	0.1900
CAS 98-55-5 EINECS 202-680-6 REACH	Terpineol (alpha-Terpineol) FL 4; ATO 5(4300); SCI 2; EDI 2A; EH A2 H227, H303, H315, H319, H401	0.1800
CAS 99-87-6 EINECS 202-796-7 REACH	para-Cymene FL 3; ATO 5(4750); SCI 3; AH 1; EH A2, C2 H226, H303, H304, H316, H401, H411	0.1800
CAS 562-74-3 EINECS 209-235-5 REACH	Terpinene-4-ol (4-Terpineol) (4-Carvomethenol) FL 4; ATD 5(2500); ATO 4(1300); SCI 2; EDI 2A; EH A3 H227, H302, H313, H315, H319, H402	0.1700
CAS 78-70-6 EINECS 201-134-4 REACH	Linalool FL 4; SS 1B H227, H317	0.1500

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CAS 99-85-4 EINECS 202-794-6 REACH	gamma-Terpinene (p-Mentha-1,4-diene)  FL 3;ATO 5(3850);SCI 3;AH 1 H226,H303,H304,H316	0.1500
CAS 89-79-2 EINECS 201-940-6 REACH	Isopulegole  FL 4;ATO 4(960);SCI 3 H227,H302,H316	0.1400

Refer to section 16 for the wording of listed classification and hazard statement codes

## Section 4. First Aid measures

Take phrases in section 2 into account

### 4.1 Description of first aid measures

After inhalation

If fumes or combustion products are inhaled, remove to fresh uncontaminated air, lay patient on back until breathing returns to normal.

After skin contact

Irritating, may cause an allergic reaction. Remove contaminated clothing and wash thoroughly with soap and water. Seek medical advice if irritation persists or there are any signs of tissue damage.

After eye contact

Highly irritating. Flush eyes with plenty of water for 15 minutes including under eyelid. Seek medical advice if irritation persists. Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.

After ingestion

May be harmful if swallowed. Do NOT induce vomiting. Position to avoid aspiration should vomiting occur. Wash mouth with plenty of water and obtain medical advice immediately. Never give anything by the mouth to an unconscious patient.

### 4.2 Most important symptoms and effects, both acute and delayed

Take phrases in sections 2 and 11 into account. No further information available at this time.

### 4.3 Indication of immediate medical attention and special treatment needed

Treat symptomatically.

## Section 5. Fire-fighting measures

### 5.1 Extinguishing Media

Carbon dioxide, foam or dry powder. DO NOT USE A DIRECT WATER JET.

### 5.2 Special hazards arising from the substance or mixture

May produce Carbon dioxide and unidentified organic compounds.

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## 5.3 Advice for fire-fighters

Wear Self-Contained Breathing Apparatus (S.C.B.A.) and full protective clothing to minimise skin exposure. Avoid inhalation of dusts/vapours. Keep containers cool with water spray. Do not use direct water jet on burning material. Do not allow spillage of fire to enter drains or watercourses.

HazChem Code N/A

## Section 6. Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Remove all sources of ignition. Avoid inhalation, skin and eye contact. Ensure proper ventilation. Evacuate all unnecessary personnel. If possible, contain the spill.

### 6.2 Environmental precautions

Do not discharge directly into drains or the soil. Keep away from surface and ground water.

### 6.3 Methods and material for containment and cleaning up

Soak up spillage with sand or other inert absorbent material such as earth or vermiculite; transfer used material to a suitable waste container and dispose in accordance with regulations. If large quantities of this material enter the waterways, contact the EPA or your local Waste Management Group.

### 6.4 Reference to other sections

Refer to information in Sections 7, 8 and 13

## Section 7. Handling and storage

### 7.1 Precautions for safe handling

Maintain good occupational and personal hygiene. Avoid inhalation and contact with skin and eyes. Wear protective clothing and use safety glasses. Keep in original container or an alternative made from a compatible material.

### 7.2 Conditions for safe storage, including any incompatibilities

Store in tightly sealed original containers away from ignition sources and in a cool place. Avoid contact with incompatible materials that support combustion, such as strong oxidising agents.

### 7.3 Specific end use(s)

No further information available.

## Section 8. Exposure controls / personal protection

### 8.1 Control Parameters

No exposure standards have been established for this material by Work safe Australia. However, as a matter of course avoid repeated or prolonged contact with the skin.

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Keep out of eyes. Do not ingest. Use with good ventilation, do not breathe dusts/vapours. Sensitive individuals may develop an allergic response.

## 8.2 Exposure controls

### Engineering controls

Natural ventilation should be sufficient, however where dusts/vapours are generated the use of a grounded mechanical exhaust ventilation system is recommended.

### Individual protection measures

Refer to Section 5 for specific fire/chemical personal protective equipment advice. Always wash routinely before breaks, meals and at the end of the work period.

### Eye/face protection

Use splash-proof safety glasses and face shield where splashing is possible.

### Hand protection

Wear chemically resistant disposable gloves.

### Other skin protection

Wear overalls. Depending on conditions in the workplace, additional body protection should be considered. Always wash routinely before breaks, meals and at the end of the work period.

### Respiratory protection

Not generally required. Use inhalation protection in poorly ventilated areas.

### Thermal hazards

No information.

### Environmental exposure controls

Emissions from ventilation and process equipment should be checked to ensure compliance with environmental protection legislation.

### National Exposure Standards

No exposure standards have been established for this material by Worksafe Australia.

### Biological Limit Values

No biological limit allocated.

## Section 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

FLASH POINT (°C) 75°C

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APPEARANCE	Mobile liquid
COLOUR	Colourless to pale greenish-yellow
ODOUR	Fresh, strong, mint odour
ODOUR THRESHOLD	Not available
pH @20 DEG C	Not available
MELTING/FREEZING POINT	Not available
INITIAL BOILING POINT AND RANGE	209°C
EVAPORATION RATE	Not available
FLAMMABILITY (SOLID/GAS)	Not available
UPPER/LOWER FLAMMABILITY LIMITS	Not available
VAPOUR PRESSURE	0.399 hPa (20°C)
VAPOUR DENSITY	Not available
SPECIFIC GRAVITY @ 20°C	0.9 to 0.916
SOLUBILITIES	Insoluble in water
PARTITION COEFF N-OCTANAL/WATER	3.19 log pow
AUTO-IGNITION TEMPERATURE	Not available
DECOMPOSITION TEMPERATURE	Not available
VISCOSITY @ 20 DEG C	Not available
EXPLOSIVE PROPERTIES	Product does not present an explosion hazard
OXIDISING PROPERTIES	Not available
9.2 Other information No further information available.	
Section 10. Stability and reactivity	
10.1 Reactivity No data.	



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## 10.2 Chemical Stability

Stable under the recommended storage conditions (see section 7).

## 10.3 Possibility of hazardous reactions

No hazardous reactions if stored under suitable storage conditions.

## 10.4 Conditions to avoid

Avoid exposure to heat, sources of ignition, and open flame. Avoid exposure to air.

## 10.5 Incompatible materials

Keep away from oxidising agents and from highly alkaline or acidic material.

## 10.6 Hazardous decomposition products

During combustion may form carbon monoxide, carbon dioxide and unidentified organic compounds.

## Section 11. Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

Mentha x piperita L. (CAS: 8006-90-4)

Oral route: Data not available

May be harmful if swallowed.

LD50 oral (rat) - 2,650 mg/kg

LD50 dermal (rabbit) - >5,000 mg/kg

#### Skin corrosion / irritation

Causes skin irritation.

#### Serious eye damage / irritation

Causes serious eye irritation.

#### Respiratory or skin sensitisation

May cause an allergic skin reaction.

#### Germ cell mutagenicity

No data

#### Carcinogenicity

No data

#### Reproductive toxicity

No data

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STO-single exposure

No data

STO-repeated exposure

No data

Aspiration hazard

No data

Information on likely routes of exposure

No data

Symptoms related to the physical, chemical and toxicological characteristics

No data

Delayed and immediate effects as well as chronic effects from short and long-term exposure

No data

Interactive effects

No data

Other information

No data

## Section 12. Ecological information

### 12.1 Toxicity

Harmful to aquatic life with long lasting effects. Avoid contaminating waterways.

LC50 (96 h) - Fish (QSAR) - 3.4 mg/L

EC50 (48 h) - Daphnia magna (QSAR) - 2.7 mg/L

EC50 (96 h) - Algae (QSAR) - 2.61 mg/L

### 12.2 Persistence and degradability

Readily biodegradable in water.

### 12.3 Bioaccumulative potential

This product shows a low bioaccumulation potential.

### 12.4 Mobility in soil

Avoid soil, surface water and water-bearing stratum contamination.

### 12.5 Results of PBT and vPvB assessment

No data

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## 12.6 Other adverse effects

See sections 6, 7, 13 and 15.

## Section 13. Disposal considerations

Please refer to the information in section 8 (Exposure controls and personal protection)

### 13.1 Waste treatment methods

Dispose in accordance with the law and local regulations. Treat as trade effluent.

## Section 14. Transport information

14.1 UN number Not Regulated

14.2 UN proper shipping name NOT RESTRICTED

14.3 Transport hazard class(es)

14.4 Packing group

Tunnel Code

14.5 Environmental Hazards

No relevant information available

14.6 Special precautions for user

Not subject to the provisions of IMDG, IATA, or ADR/RID.

HazChem Code N/A

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable

## Section 15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Poison Schedule (SUSMP): Not applicable

HS Tariff Code: 3301.24.00

HSNO Approval Number: HSR002490

This material is listed on the Australian Inventory of Industrial Chemicals (AIIC).

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out

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## Section 16. Other information

### Full list of precautionary phrases

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261	Avoid breathing fumes.
P264	Wash hands 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 and eye protection
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 CENTRE if you feel unwell.
P333+P313	If skin irritation or rash occurs: Get medical advice.
P337+P313	If eye irritation persists: Get medical attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
P403+P235	Store in a well-ventilated place. Keep cool.
P501	Dispose of contents and container in accordance to local regulations.

### Wording of any hazard classes listed in section 3

FL 3	Flammable liquid, category 3
FL 4	Flammable liquid, category 4
ATO 4	Acute toxicity, oral, category 4
ATO 5	Acute toxicity, oral, category 5
AH 1	Aspiration hazard, category 1
ATD 5	Acute toxicity, dermal, category 5
SCI 2	Skin corrosion/irritation, category 2
SCI 3	Skin corrosion/irritation, category 3
SS 1	Skin sensitisation, category 1
SS 1B	Skin sensitisation, category 1B

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EDI 2A	Eye damage/irritation, category 2A
EH A1	Aquatic hazard, acute, category 1
EH A2	Aquatic hazard, acute, category 2
EH A3	Aquatic hazard, acute, category 3
EH C1	Aquatic hazard, chronic, category 1
EH C2	Aquatic hazard, chronic, category 2

Wording of any hazard statements listed in section 3

H226	Flammable liquid and vapour
H227	Combustible liquid
H302	Harmful if swallowed
H303	May be harmful if swallowed
H304	May be fatal if swallowed and enters airways
H313	May be harmful in contact with skin
H315	Causes skin irritation
H316	Causes mild skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H400	Very toxic to aquatic life
H401	Toxic to aquatic life
H402	Harmful to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H411	Toxic to aquatic life with long lasting effects

References and further information

Key:

N/A = Not applicable

SUSMP = Standard for the Uniform Scheduling of Medicines and Poisons

AIIC = Australian Inventory of Industrial Chemicals

AICIS = Australian Industrial Chemicals Introduction Scheme

Version 1: GHS format, BV 15/06/2017

Version 2: Minor changes, BV 15/06/2017

Version 3: Minor changes, BV 20/12/2017

Version 4: Mandatory revision, RB 6/12/2022

The information contained in this Safety Data Sheet is obtained from current and reliable sources. Ixom Operations Pty Ltd T/A Pure Ingredients provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This Safety Data Sheet summarises our best current knowledge of the health and safety hazard information of the product, but does not claim to be all inclusive. This document is intended only as a guide to the appropriate handling of this material.