

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

Trade name : Peppermint Oil Piperita India natural (1001242)  
Revision date : 29.03.2018  
Print date : 23.09.2019

Version (Revision) : 16.0.0 (15.0.0)

## SECTION 1: Identification of the substance/mixture and of the company/ undertaking

### 1.1 Product identifier

Peppermint Oil Piperita India natural (1001242)

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Perfumes, Fragrances, Flavouring agents

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

#### Classification according to Regulation (EC) No 1272/2008 [CLP]

Aquatic Chronic 2 ; H411 - Hazardous to the aquatic environment : Chronic 2 ; Toxic to aquatic life with long lasting effects.

Eye Irrit. 2 ; H319 - Serious eye damage/eye irritation : Category 2 ; Causes serious eye irritation.

Skin Irrit. 2 ; H315 - Skin corrosion/irritation : Category 2 ; Causes skin irritation.

Skin Sens. 1 ; H317 - Skin sensitisation : Category 1 ; May cause an allergic skin reaction.

#### Classification procedure

Calculation method.

### 2.2 Label elements

#### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

##### Hazard pictograms

Environment (GHS09) · Exclamation mark (GHS07)

##### Signal word

Warning

#### Hazard components for labelling

P-MENTHAN-3-ONE ; CAS No. : 14073-97-3

LIMONENE ; CAS No. : 138-86-3

(S)-2-METHYL-5-(1-METHYLVINYLCYCLOHEX-2-EN-1-ONE) ; CAS No. : 2244-16-8

BETA PINENE ; CAS No. : 127-91-3

ALPHA-PINENE ; CAS No. : 80-56-8

#### Hazard statements

H315

Causes skin irritation.

H317

May cause an allergic skin reaction.

H319

Causes serious eye irritation.

H411

Toxic to aquatic life with long lasting effects.

#### Precautionary statements

P261

Avoid breathing dust/fume/gas/mist/vapours/spray.

P264

Wash ... thoroughly after handling.

P272

Contaminated work clothing should not be allowed out of the workplace.

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P333+P313 If skin irritation or rash occurs: Get medical advice/attention.  
P337+P313 If eye irritation persists: Get medical advice/attention.  
P321 Specific treatment (see ... on this label).

### 2.3 Other hazards

None

## SECTION 3: Composition/information on ingredients

Pfefferminzöl / Peppermint oil EINECS/ELINCS: 282-015-4 CAS: 84082-70-2

### 3.2 Mixtures

#### Hazardous ingredients

L-MENTHOL (5-METHYL-2-(1-METHYLETHYL)CYCLOHEXANOL) ; EC No. : 218-690-9; CAS No. : 2216-51-5

Weight fraction :  $\geq 45 - < 50$  %  
Classification 1272/2008 [CLP] : Skin Irrit. 2 ; H315 Eye Irrit. 2 ; H319

P-MENTHAN-3-ONE ; EC No. : 237-926-1; CAS No. : 14073-97-3

Weight fraction :  $\geq 20 - < 25$  %  
Classification 1272/2008 [CLP] : Skin Irrit. 2 ; H315 Skin Sens. 1 ; H317

1-5-METHYL-2-(1-METHYLETHYL)-CYCLOHEXYLACETATE ; EC No. : 220-076-0; CAS No. : 2623-23-6

Weight fraction :  $\geq 5 - < 10$  %  
Classification 1272/2008 [CLP] : Aquatic Chronic 2 ; H411

NEOMENTHOL ; EC No. : 218-691-4; CAS No. : 2216-52-6

Weight fraction :  $\geq 5 - < 10$  %  
Classification 1272/2008 [CLP] : Skin Irrit. 2 ; H315 Eye Irrit. 2 ; H319

4,5,6,7-TETRAHYDRO-3,6-DIMETHYLBENZOFURANE ; EC No. : 207-795-5; CAS No. : 494-90-6

Weight fraction :  $\geq 2,5 - < 5$  %  
Classification 1272/2008 [CLP] : Acute Tox. 4 ; H302 Skin Irrit. 2 ; H315 Eye Irrit. 2 ; H319 Aquatic Chronic 2 ; H411

PULEGONES ; EC No. : 201-943-2; CAS No. : 89-82-7

Weight fraction :  $\geq 1 - < 5$  %  
Classification 1272/2008 [CLP] : Acute Tox. 4 ; H302

LIMONENE ; EC No. : 205-341-0; CAS No. : 138-86-3

Weight fraction :  $\geq 1 - < 2,5$  %  
Classification 1272/2008 [CLP] : Flam. Liq. 3 ; H226 Asp. Tox. 1 ; H304 Skin Irrit. 2 ; H315 Skin Sens. 1 ; H317 Aquatic Acute 1 ; H400 Aquatic Chronic 1 ; H410

(S)-2-METHYL-5-(1-METHYLVINYL)CYCLOHEX-2-EN-1-ONE ; EC No. : 218-827-2; CAS No. : 2244-16-8

Weight fraction :  $\geq 1 - < 5$  %  
Classification 1272/2008 [CLP] : Skin Sens. 1 ; H317

BETA PINENE ; EC No. : 204-872-5; CAS No. : 127-91-3

Weight fraction :  $\geq 0,5 - < 1$  %  
Classification 1272/2008 [CLP] : Flam. Liq. 3 ; H226 Asp. Tox. 1 ; H304 Skin Irrit. 2 ; H315 Skin Sens. 1 ; H317 Aquatic Acute 1 ; H400 Aquatic Chronic 1 ; H410

ALPHA-PINENE ; EC No. : 201-291-9; CAS No. : 80-56-8

Weight fraction :  $\geq 0,5 - < 1$  %  
Classification 1272/2008 [CLP] : Flam. Liq. 3 ; H226 Asp. Tox. 1 ; H304 Skin Irrit. 2 ; H315 Skin Sens. 1 ; H317 Aquatic Acute 1 ; H400 Aquatic Chronic 1 ; H410

#### Additional information

Full text of H- and EUH-phrases: see section 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General information

Change contaminated, saturated clothing.

#### Following inhalation

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Provide fresh air. In case of respiratory tract irritation, consult a physician. In case of allergic symptoms, especially in the breathing area, seek medical advice immediately.

### In case of skin contact

After contact with skin, wash immediately with plenty of water and soap. In case of skin irritation, consult a physician. In case of skin reactions, consult a physician.

### After eye contact

Rinse immediately carefully and thoroughly with eye-bath or water. In case of eye irritation consult an ophthalmologist.

### After ingestion

Rinse mouth thoroughly with water. Seek medical advice immediately.

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

No information available.

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

When in doubt or if symptoms are observed, get medical advice.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

Sand Foam Carbon dioxide (CO<sub>2</sub>) Dry extinguishing powder

#### Unsuitable extinguishing media

Water

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

None

### 5.3 Advice for firefighters

Move undamaged containers from immediate hazard area if it can be done safely. Remove product from area of fire.

#### Special protective equipment for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

### 5.4 Additional information

Do not allow run-off from fire-fighting to enter drains or water courses.

## SECTION 6: Accidental release measures

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

Use personal protection equipment. Remove all sources of ignition. Provide adequate ventilation.

### 6.2 Environmental precautions

Do not allow to enter into surface water or drains. Treat the recovered material as prescribed in the section on waste disposal.

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

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Take up mechanically, placing in appropriate containers for disposal.

### 6.4 Reference to other sections

None

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

#### Protective measures

Wear personal protection equipment (refer to section 8). When using do not eat, drink, smoke, sniff. Always close containers tightly after the removal of product. Use only in well-ventilated areas.

#### Measures to prevent fire

Take precautionary measures against static discharges. Keep away from sources of ignition - No smoking.

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

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### Hints on joint storage

Storage class (TRGS 510) : 10

### 7.3 Specific end use(s)

None

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational exposure limit values

LIMONENE ; CAS No. : 138-86-3

Limit value type (country of origin) :	TRGS 900 ( D )
Limit value :	20 ml/m <sup>3</sup> / 110 mg/m <sup>3</sup>
Peak limitation :	2(II)
Remark :	DFG, Sh, Y
Version :	

### 8.2 Exposure controls

#### Personal protection equipment

##### Eye/face protection

Eye glasses with side protection goggles

##### Skin protection

###### Hand protection

Tested protective gloves must be worn Wear cotton undermitten if possible. NBR (Nitrile rubber) DIN EN 374

##### Respiratory protection

Usually no personal respirative protection necessary. Respiratory protection necessary at: dust formation insufficient ventilation

#### General health and safety measures

When using do not eat, drink, smoke, sniff. Avoid contact with skin, eyes and clothes. Remove contaminated, saturated clothing. Wash hands before breaks and after work. Apply skin care products after work.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### Appearance

liquid

Colour : light yellow

#### Odour

characteristic according to name resp. to perfume

#### Safety relevant basis data

Initial boiling point and boiling range :	( 1013 hPa )	>	180 °C
Flash point :			78 °C
Vapour pressure :	( 50 °C )	<	300 hPa
Density :	( 20 °C )		0,9 g/cm <sup>3</sup>
Solubility in water:	( 20 °C )		practically insoluble
Solubility in other solvent:			soluble in diff. org. solvents
pH-value:			neutral

### 9.2 Other information

None

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No information available.

### 10.2 Chemical stability

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No information available.

### 10.3 Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

### 10.4 Conditions to avoid

No information available.

### 10.5 Incompatible materials

Acid Bases

### 10.6 Hazardous decomposition products

No known hazardous decomposition products.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute effects

##### Acute oral toxicity

Parameter :	LD50 ( PEPPERMINT ESSENTIAL OIL ; CAS No. : 8006-90-4 )
Exposure route :	Oral
Species :	Rat
Effective dose :	2650 mg/kg

##### Acute dermal toxicity

Parameter :	LD50 ( PEPPERMINT ESSENTIAL OIL ; CAS No. : 8006-90-4 )
Exposure route :	Dermal
Species :	Rabbit
Effective dose :	> 5000 mg/kg

## SECTION 12: Ecological information

### 12.1 Toxicity

No information available.

### 12.2 Persistence and degradability

No information available.

### 12.3 Bioaccumulative potential

No information available.

### 12.4 Mobility in soil

No information available.

### 12.5 Results of PBT and vPvB assessment

No information available.

### 12.6 Other adverse effects

No information available.

### 12.7 Additional ecotoxicological information

None

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Send to a hazardous waste incinerator facility under observation of official regulations. The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process. Evidence for disposal must be provided.

## SECTION 14: Transport information

### 14.1 UN number

UN 3082

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### 14.2 UN proper shipping name

#### Land transport (ADR/RID)

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. ( DIPENTENE · BETA-PINENE )

#### Sea transport (IMDG)

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. ( DIPENTENE · BETA-PINENE )

#### Air transport (ICAO-TI / IATA-DGR)

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. ( DIPENTENE · BETA-PINENE )

### 14.3 Transport hazard class(es)

#### Land transport (ADR/RID)

Class(es) : 9  
Classification code : M6  
Hazard identification number (Kemler No.) : 90  
Tunnel restriction code : -  
Special provisions : LQ 5 I · E 1 · ADR : - (SP 375 <= 5 l/kg)  
Hazard label(s) : 9 / N

#### Sea transport (IMDG)

Class(es) : 9  
EmS-No. : F-A / S-F  
Special provisions : LQ 5 I · E 1 · IMDG : - (SP 2.10.2.7 <= 5 l/kg)  
Hazard label(s) : 9 / N

#### Air transport (ICAO-TI / IATA-DGR)

Class(es) : 9  
Special provisions : E 1 · IATA : - (SP A197 <= 5 l/kg)  
Hazard label(s) : 9 / N

### 14.4 Packing group

III

### 14.5 Environmental hazards

Land transport (ADR/RID) : Yes

Sea transport (IMDG) : Yes (P)

Air transport (ICAO-TI / IATA-DGR) : Yes

### 14.6 Special precautions for user

None

### 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

## SECTION 15: Regulatory information

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

Observe in addition any national regulations!

#### National regulations

##### Water hazard class (WGK)

Class : 2 (Significant hazardous to water) Classification according to AwSV

### 15.2 Chemical safety assessment

No information available.

## SECTION 16: Other information

The readings in this Material Safety Data Sheet are valid for professional users Depending on kind of use the expeller should keep in mind additional legal regulations if applicable (such as childproof closures, sense of touch symbols, instructions for use, additional precautionary statements or special labelling rules et.al)

### 16.1 Indication of changes

03. Hazardous ingredients · 14. UN proper shipping name - Sea transport (IMDG) · 14. Transport hazard class(es) - Land transport (ADR/RID) · 15. Water hazard class (WGK)

### 16.4 Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

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No information available.

### 16.5 Relevant H- and EUH-phrases (Number and full text)

H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.

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These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

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