

CERTIFICATE OF ANALYSIS

PRODUCT DESCRIPTION	PEPPERMINT ARVENSIS
APPEARANCE	COLOURLESS LIQUID
BATCH NUMBER	4501201
BEST BEFORE END	March 2026

ANALYSIS	RESULTS	SPECIFICATION
Colour	Y	COLOURLESS
Refractive Index 20degC	1.460	>= 1.457    <= 1.464
Optical Rotation	-20.0	>= -30.0    <= -16.0
Density (g/ml,20c)	0.890	>= 0.890    <= 0.905
Pulegone (%)	1.4	>= 0.2    <= 3.0

## Allergen Analysis

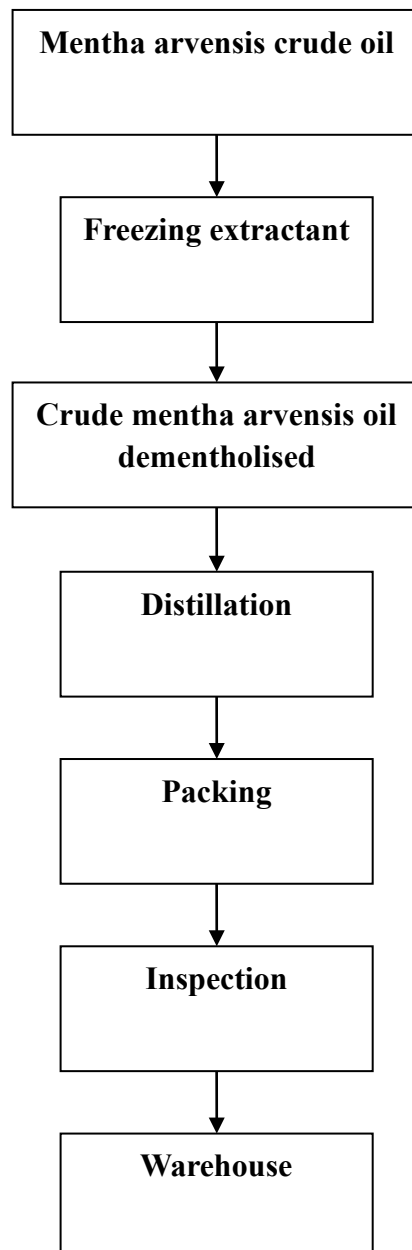
*Compound Name* : PEPPERMINT ARVENSIIS

*Code Number* : OEPEPPARVE

flavour ingredient	CAS No.	Concentration present as a percentage (%) or 'A' for absent in flavour		
		Added as such	From natural & other sources	Total
alpha-iso-Methylionone	127-51-5	A	A	A
Amyl Cinnamal	122-40-7	A	A	A
Amylcinnamyl Alcohol	101-85-9	A	A	A
Anise Alcohol	105-13-5	A	A	A
Benzyl Alcohol	100-51-6	A	A	A
Benzyl Benzoate	120-51-4	A	A	A
Benzyl Cinnamate	103-41-3	A	A	A
Benzyl Salicylate	118-58-1	A	A	A
Butylphenyl Methylpropional (Lilial)	80-54-6	A	A	A
Cinnamal	104-55-2	A	A	A
Cinnamyl Alcohol	104-54-1	A	A	A
Citral	5392-40-5	A	A	A
Citronellol	106-22-9	A	A	A
Coumarin	91-64-5	A	A	A
Eugenol	97-53-0	A	A	A
Evernia Furfuraceae (Tree Moss) Extract	90028-67-4	A	A	A
Evernia Prunastri (Oak Moss) Extract	90028-68-5	A	A	A
Farnesol	4602-84-0	A	A	A
Geraniol	106-24-1	A	A	A
Hexyl Cinnamal	101-86-0	A	A	A
Hydoxycitronellal	107-75-5	A	A	A
Hydroxyisohexyl 3-Cyclohexene Carboxaldehyde (Lyrall)	31906-04-4	A	A	A
Isoeugenol	97-54-1	A	A	A
Limonene	5989-27-5	A	5.00	5.00
Linalool	78-70-6	A	0.40	0.40
Methyl 2-Octynoate	111-12-6	A	A	A

*The information contained herein is true and accurate to the best of our knowledge. All information is valid until revisions are issued. We will not therefore accept liability for misuse of this data resulting in damage or loss.*

## **Process flow of Peppermint Arvensis oil**



Product Name Peppermint arvensis

We certify that the above product is in compliance with the Standards of the INTERNATIONAL FRAGRANCE ASSOCIATION (IFRA), 50th Amendment to the IFRA Code of Practice (published June,2021), provided it is used in the following class(es) at a maximum concentration level of:

IFRA Class	Maximum level of use (%)
Category 1	100
Category 2	60
Category 3	20
Category 4	100
Category 5A	100
Category 5B	39
Category 5C	59
Category 5D	13
Category 6	100
Category 7A	39
Category 7B	39
Category 8	13
Category 9	100
Category 10A	100
Category 10B	100
Category 11A	13
Category 11B	13
Category 12	100

**Components**

**Carvone**

**0.1%**

The IFRA Standards regarding use restrictions are based on safety assessments by experts of the RIFM and are enforced by the IFRA Scientific Committee. This Certificate provides restrictions for use of the specified product based only on the restrictions by IFRA Standards for the toxicity endpoint(s) described in each Standard. It does not provide certification of a comprehensive safety assessment of all product components. It is the ultimate responsibility of our customer to ensure the safety of the final product if necessary.

**ANNEX : Definition of IFRA Classes 50th Amendment**

<b>IFRA class</b>	<b>Product application</b>
Category 1	Lip Products of all types (solid and liquid lipsticks, balms, clear or colored, etc.) Children's toys
Category 2	Deodorant and antiperspirant products of all types including any product with intended or reasonably foreseeable use on the axillae or labelled as such (spray, stick, roll-on, under-arm, deocologne, etc.) Body sprays (including body mist)
Category 3	Eye products of all types (eye shadow, mascara, eyeliner, eye make-up, eye masks, eye pillows, etc.) including eye care and moisturizer. Facial make up and foundation Make-up remover for face and eyes Nose pore strips Wipes or refreshing tissues for face, neck, hands, body Body and face paint (for children and adults) Facial masks for face and around the eyes
Category 4	Hydroalcoholic and non-hydroalcoholic fine fragrance of all types (Eau de Toilette, Parfum, Cologne, solid perfume, fragrancing cream, aftershaves of all types, etc.) Fragranced bracelets Ingredients of perfume kits and fragrance mixtures for cosmetic kits Scent pads, foil packs Scent strips for hydroalcoholic products
Category 5A	Body creams, oils, lotions of all types Foot care products (creams and powders) Insect repellent (intended to be applied to the skin) All powders and talc (excluding baby powders and talc)
Category 5B	Facial toner Facial moisturizers and creams
Category 5C	Hand cream Nail care products including cuticle creams, etc. Hand sanitizers
Category 5D	Baby cream/lotion, baby oil, baby powders and talc
Category 6	Toothpaste Mouthwash, including breath sprays Toothpowder, strips, mouthwash tablets
Category 7A	Hair permanent or other hair chemical treatments (rinse-off) (e.g. relaxers), including rinse-off hair dyes
Category 7B	Hair sprays of all types (pumps, aerosol sprays, etc.) Hair styling aids non sprays (mousse, gels, leave-on conditioners) Hair permanent or other hair chemical treatments (leave-on) (e.g. relaxers), including leave-on hair dyes Shampoo - Dry (waterless shampoo) Hair deodorizer
Category 8	Intimate wipes Tampons Baby wipes Toilet paper (wet)
Category 9	Bar soap Shampoo of all type Cleanser for face (rinse-off) Conditioner (rinse-off) Liquid soap Body washes and shower gels of all types Baby wash, bath, shampoo Bath gels, foams, mousses, salts, oils and other products added to bathwater Foot care products (feet are placed in a bath for soaking) Shaving creams of all types (stick, gels, foams, etc.) All depilatories (including facial) and waxes for mechanical hair removal Shampoos for pets

IFRA class	Product application
Category 10A	<p>Hand wash laundry detergent (including concentrates)</p> <p>Laundry pre-treatment of all types (e.g.paste, sprays, sticks)</p> <p>Hand dishwashing detergent (including concentrates)</p> <p>Hard surface cleaners of all types (bathroom and kitchen cleansers,furniture polish, etc.)</p> <p>Machine laundry detergents with skin contact (e.g. liquids, powders) including concentrates</p> <p>Dry cleaning kits</p> <p>Toilet seat wipes</p> <p>Fabric softeners of all types including fabric softener sheets</p> <p>Household cleaning products, other types including fabric cleaners, soft surface cleaners, carpet cleaners, furniture polishes sprays and</p> <p>wipes, leather cleaning wipes, stain removers, fabric enhancing sprays, treatment products for textiles (e.g. starch sprays, fabric treated</p> <p>with fragrances</p> <p>after wash, deodorizers for textiles or fabrics)</p> <p>Floor wax</p> <p>Fragranced oil for lamp ring, reed diffusers, pot-pourri, liquid refills for air fresheners (non-cartridge systems), etc.</p> <p>Ironing water (Odorized distilled water)</p>
Category 10B	<p>Animal sprays – sprays applied to animals of all types</p> <p>Air freshener sprays, manual, including aerosol and pump</p> <p>Aerosol/spray insecticides</p>
Category 11A	<p>Feminine hygiene conventional pads,liners, interlabial pads</p> <p>Diapers (baby and adult)</p> <p>Adult incontinence pant, pad</p> <p>Toilet paper (dry)</p>
Category 11B	<p>Tights with moisturizers</p> <p>Scented socks, gloves</p> <p>Facial tissues (dry tissues)</p> <p>Napkins</p> <p>Paper towels</p> <p>Wheat bags</p> <p>Facial masks (paper/protective) e.g.surgical masks not used as medicaldevice</p> <p>Fertilizers, solid (pellet or powder)</p>
Category 12	<p>Candles of all types (including encased)</p> <p>Laundry detergents for machine wash with minimal skin contact (e.g. Liquid tabs, pods)</p> <p>Automated air fresheners and fragrancing of all types (concentrated aerosol with metered doses (range 0.05-0.5mL/spray), plug-ins, closed systems, solid substrate, membrane delivery, electrical, powders, fragrancing sachets, incense, liquid refills (cartridge), air freshening crystals)</p> <p>Air delivery systems</p> <p>Cat litter</p> <p>Cell phone cases</p> <p>Deodorizers/maskers not intended for skin contact (e.g. fabric drying machine deodorizers, carpet powders)</p> <p>Fuels</p> <p>Insecticides (e.g. mosquito coil, paper, electrical, for clothing) excluding aerosols/sprays</p> <p>Joss sticks or incense sticks</p> <p>Dishwash detergent and deodorizers – for machine wash</p> <p>Olfactive board games</p> <p>Paints</p> <p>Plastic articles (excluding toys)</p> <p>Scratch and sniff</p> <p>Scent pack</p> <p>Scent delivery system (using dry air technology)</p> <p>Shoe polishes</p> <p>Rim blocks (Toilet)</p>

# SAFETY DATA SHEET

CLP: According to 2015/830/EU

*Version 11*

*Revised 20/09/2019 10:17:23*

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

### 1.1 Product Identifier

Product Name	PEPPERMINT ARVENSIS
Code Number	OEPEPPARVE
Alternative Name	
REACH Reg No	01-2119973492-30-0000

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

Concentrated material for **fragrance use**

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

MADAR Corporation Ltd  
19-20 Sandleheath Industrial Estate  
Fordingbridge  
Hampshire  
SP6 1PA

Telephone Number	+44 (0)1425 655555
Email Address	technical@madarcorporation.co.uk

1.4 Emergency Tel No +44 (0)1425 655555

## Section 2. HAZARD IDENTIFICATION

### 2.1 Classification of the substance or mixture

ATO 4	Acute toxicity, oral, category 4
SCI 2	Skin corrosion/irritation, category 2
SS 1	Skin sensitisation, category 1
EH C2	Aquatic hazard, chronic, category 2

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## CLP Label elements

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

Hazard Pictograms



Signal Word

Warning

## Hazard Statements

H302	Harmful if swallowed
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H411	Toxic to aquatic life with long lasting effects

## Precautionary Statements

P262	Do not get in eyes, on skin, or on clothing.
P273	Avoid release to the environment.
P280	Wear protective gloves and eye protection
P391	Collect spillage.

## 2.3 Other Hazards

Contains Limonene and Linalool which may produce an allergic reaction

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	MINT OIL MENTHA ARVENSIS
EC/EINECS	290-058-5
CAS Number	90063-97-1
USCAS Number	68917-18-0

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## Hazardous components

ID Numbers	Chemical Name, Classification and Hazards	Conc (%)
CAS 2216-51-5 EINECS 218-690-9 REACH	I-Menthol  SCI 2; EDI 2 H315, H319	45.0000
CAS 89-80-5 EINECS 201-941-1 REACH	Menthone (trans-para-Menthan-3-one)  EH C3 H412	35.0000
CAS 5989-27-5 EINECS 227-813-5 REACH	d-Limonene (p-Mentha-1,8-diene)  AH 1; SCI 2; SS 1B; EH A1, C1 H304, H315, H317, H400, H410	5.0000
CAS 80-56-8 EINECS 201-291-9 REACH	alpha-Pinene  AH 1; SCI 2; SS 1B; EH A1, C1 H304, H315, H317, H400, H410	5.0000
CAS 89-48-5 EINECS 201-911-8 REACH	Menthyl acetate  EH C2 H411	4.0000
CAS 15932-80-6 EINECS 240-070-1 REACH	Pulegones  ATO 4(470) H302	2.0000
CAS 78-70-6 EINECS 201-134-4 REACH	Linalool  SCI 2; SS 1B; EDI 2 H315, H317, H319	0.4000

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

## Section 4. First Aid measures

Take phrases in sections 2 into account

### 4.1 Description of first aid measures

#### After inhalation

Remove from the exposure area to fresh air. Contact a doctor if necessary.

#### After skin contact

Remove contaminated clothing. Wash thoroughly with soap and water. Seek medical advice if irritation persists or there is any sign of tissue damage.

#### After eye contact

Flush with plenty of water and seek medical advice if necessary.

#### After ingestion

Wash mouth with plenty of water and obtain medical advice immediately.

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

No further information available at this time

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

No further information available at this time

## 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.

### 5.3 Advice for fire-fighters

Wear protective clothing and avoid inhalation of vapours.

## 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.

### 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 absorbant material such as earth or vermiculite; transfer used material to a suitable waste container and dispose in accordance with regulations.

### 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.

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

Store in tightly sealed original containers away from ignition sources and in a cool place.

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## 7.3 Specific end use(s)

No further information available

## Section 8. Exposure controls / personal protection

### 8.1 Control Parameters

No information available

### 8.2 Exposure controls

Engineering controls

No information available

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

Wear safety goggles.

Hand protection

Wear chemically resistant disposable gloves.

Other skin protection

Wear overalls. 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 available

Environmental exposure controls

No information available

## Section 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

FLASH POINT (°C) 73

Colour Colourless

Aroma Harsh, mentholic mint

Solubility Insoluble

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## 9.2 Other information

No further information available

## Section 10. Stability and reactivity

### 10.1 Reactivity

Not determined

### 10.2 Chemical Stability

Not determined

### 10.3 Possibility of hazardous reactions

Not determined

### 10.4 Conditions to avoid

Extreme temperatures

### 10.5 Incompatible materials

Highly reactive chemicals which may produce unknown reaction products and so cause additional hazards.

### 10.6 Hazardous decomposition products

Not determined

## Section 11. Toxicological information

### 11.1 Information on toxicological effects

Acute toxicity

No data available

Skin corrosion / irritation

No data available

Serious eye damage / irritation

No data available

Respiratory or skin sensitisation

No data available

Germ cell mutagenicity

No data available

Carcinogenicity

No data available

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Reproductive toxicity

No data available

STO-single exposure

No data available

STO-repeated exposure

No data available

Aspiration hazard

No data available

Information on likely routes of exposure

No data available

Symptoms related to the physical, chemical and toxicological characteristics

No data available

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

No data available

Interactive effects

No data available

Other information

No data available

## Section 12. Ecological information

### 12.1 Toxicity

No data available; avoid soil, surface water and water-bearing stratum contamination.

### 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 Results of PBT and vPvB assessment

No data available

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## 12.6 Other adverse effects

No data available

## 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 3082

14.2 UN proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S (PINENE, LIMONENE)

14.3 Transport hazard class(es) 9

14.4 Packing group III

Tunnel Code (E)

### 14.5 Environmental Hazards

Marine Pollutant - contains environmentally hazardous substances ( Pinene, Limonene)

### 14.6 Special precautions for user

No relevant information available

### 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

No relevant information available at this time

### 15.2 Chemical safety assessment

A chemical safety assessment has not been carried out

## Section 16. Other information

Full list of precautionary phrases

P262 Do not get in eyes, on skin, or on clothing.

P273 Avoid release to the environment.

# SAFETY DATA SHEET

CLP: According to 2015/830/EU

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P280 Wear protective gloves and eye protection

P391 Collect spillage.

Wording of any hazard classes listed in section 3

ATO 4 Acute toxicity, oral, category 4

AH 1 Aspiration hazard, category 1

SCI 2 Skin corrosion/irritation, category 2

SS 1B Skin sensitisation, category 1B

EDI 2 Eye damage/irritation, category 2

EH A1 Aquatic hazard, acute, category 1

EH C1 Aquatic hazard, chronic, category 1

EH C2 Aquatic hazard, chronic, category 2

EH C3 Aquatic hazard, chronic, category 3

Wording of any hazard statements listed in section 3

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

H412 Harmful to aquatic life with long lasting effects

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## PRODUCT SPECIFICATION

Product Name : PEPPERMINT ARVENSIS  
Reference : OEPEPPARVE  
Flash Point deg C : 73  
Aroma / Taste : HARSH,MENTHOLIC MINT  
Appearance / Physical State : COLOURLESS LIQUID  
Composition : 100% ESSENTIAL OIL

Colour	COLOURLESS	
Refractive Index 20degC	>= 1.457	<= 1.464
Optical Rotation	>= -30.0	<= -16.0
Density (g/ml,20c)	>= 0.890	<= 0.905
Pulegone (%)	>= 0.2	<= 2.5

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