



Certificate of Analysis

PRODUCT DETAILS					
Product Name	Piperita Mentha				
Product Code	OEPIPEMENT				
INCI Name	Mentha Piperita				
Manufacturer Date	December2023				
Expiry Date	December2026				
Batch Number	4526511				
Identification	CAS No: 84082-70-2	EINECS No: 282-015-4			
	Alternative Cas: 8006-90-4	FEMa Number: 2848			
PHYSICAL AND CHEMICAL CHARACTERISTIC					
	SPECIFICATION RANGE		RESULTS		
Appearance	Liquid		Conforms		
Colour	Clear - colourless mobile liquid		Conforms		
Odour	Fresh, cooling mint		Conforms		
Melting Point	Clear mobile liquid @ 20°C.		Conforms		
Relative Density @ 20°C	0.898 - 0.916		0.901		
Optical Rotation	-30 to -10c		-23.45		
Refractive Index @ 20°C	1.457 - 1.467		1.4613		
Total Menthol content	Max 55%		40.10%		
MAIN CONSTITUENTS					
CONSTITUENT RANGE	RESULT	CONSTITUENT RANGE	RESULT	CONSTITUENT RANGE	RESULT
L-Menthol 30-55%	40.10%	Trans-Menthone 12-33%	24.51%	1,8 Cineole 2-10%	4.78%
1-Menthylacetate 2-10%	5.13%	d,l-Isomenthone 1-6%	4.36%	Limonene 0.01-3%	2.33%
Menthyl Acteate 2-10%	5.13%	Pulegone 0.01-4%	1.03%	Menthofuran 0.01-9%	1.70%
STORAGE AND SHELF LIFE					
Storage	Store in tightly closed container with minimum headspace in a cool, dark and dry place.				
Shelf Life	36 months unopened and stored as above.				

DISCLAIMER: This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the Company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the users responsibility to satisfy himself as to the suitability of such information for his own particular use. Where We make a declaration that allergenic material are not present in any product, this statement is made assuming reasonable levels of detection. It is impossible to guarantee the "absolute absence" of any material. It is the ultimate responsibility of the customer to ensure the safety of the intended final product containing this material, by carrying out additional tests if necessary.



ALLERGEN 2023 DECLARATION

We hereby confirm that the following item contains the components listed below. Stated are the total levels added plus levels from natural ingredients. The information is supplied to enable compliance with Cosmetic and Detergent regulations.

PIPERITA MENTHA

Ingredient	CAS	EC	Concentration (%)
Alpha-Terpinene	99-86-5	202-795-1	0.3%
Beta-Caryophyllene	87-44-5	201-746-1	2.5%
Carvone	99-49-0, 6485-40-1, 2244-16-8	202-759-5, 229-352-5, 218-827-2	0.5%
Limonene	138-86-3, 7705-14-8, 5989-54-8, 5989-27-5	205-341-0, 231-732-0, 227-815-6, 227-813-5	3%
Linalool	78-70-6	201-134-4	0.3%
Menthol	89-78-1, 1490-04-6, 2216-51-5, 15356-60-2	201-939-0, 216-074-4, 218-690-9, 239-387-8	43.1%
Pinene	80-56-8, 7785-70-8, 127-91-3, 18172-67-3	201-291-9, 232-087-8, 204-872-5, 242-060-2	2.25%
Terpineol	8000-41-7, 98-55-5, 138-87-4, 586-81-2	232-268-1, 202-680-6, 205-342-6, 209-584-3	0.5%
Terpinolene	586-62-9	209-578-0	0.1%

Please note components <1ppm are not shown.

Regulatory Affairs Department

CMR (Carcinogenic, mutagenic, reprotoxic) STATEMENT

We hereby confirm, to the best of our knowledge and from information received from our supplier, that the below mentioned product does not contain any CMR Substances.

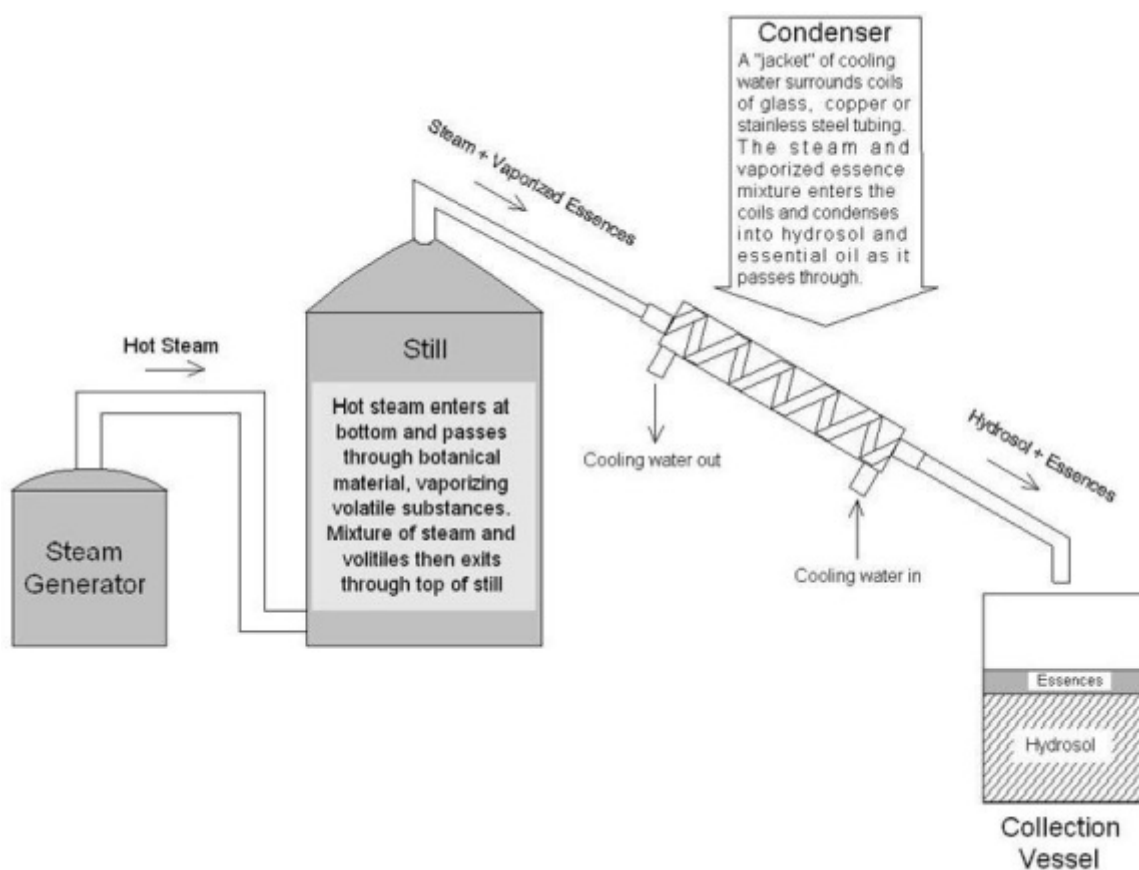
However, due to the fact that we do not analyse the batches, we cannot guarantee any explicit assurance.

Product: MENTHA PIPERITA

08 September 2022

PIPERITA MENTHA CHINA/INDIA

FLOW CHART





GMO Statement

IDENTIFICATION	
Product:	PIPERITA MENTHA
Cas No:	84082-70-2 / 8006-90-4
EINECS No:	282-015-4
STATEMENT	
<p>Referring to Regulation (EC) No 1829/2003 of 22nd September 2003 on genetically modified food and feed and Regulation (EC) No 1830/2003 of 22nd September 2003 concerning the traceability and labelling of genetically modified organisms and the traceability of food and feed products produced from genetically modified organisms, we have proofed with our supplier if the above mentioned product is subject of these legislations.</p> <p>According to our current knowledge and supplier's information we assume that this product has not been produced of nor contain any genetically modified organism. Therefore, it does not fall under the scope of the legislations mentioned above.</p> <p>However, due to the fact that we do not analyse the batches, we cannot guarantee any explicit assurance.</p> <p>18/10/2023</p> <p>This is a computer-generated document and it does not require a signature. It is the ultimate responsibility of our customer to ensure the safety of the final product containing this material.</p>	



CERTIFICATE OF CONFORMITY WITH IFRA STANDARDS

This Certificate assesses the conformity of the fragrance mixture with IFRA Standards and provides restrictions for use as necessary. It is based only on those materials subject to IFRA Standards for the toxicity endpoints described in each Standard.

This Certificate does therefore not replace a comprehensive safety assessment of the fragrance mixture.

CERTIFYING PARTY: Ekokoza s.r.o.
Fryčovice 297
73945 Fryčovice
eshop@ekokoza.cz
+420605779993
IČ:07508247

CERTIFICATE DELIVERED TO:

SCOPE OF THE CERTIFICATE:
PIPERITA MENTHA

COMPULSORY INFORMATION:

We certify that the above mixture is in compliance with the Standards of the INTERNATIONAL FRAGRANCE ASSOCIATION (IFRA), up to and including the 51st Amendment to the IFRA Code of Practice (published June 2023), provided it is used in the following categories at a maximum concentration level of:

IFRA Categories [see Annex 1 below for details]	Maximum Level of use (%)
IFRA Category 1	40.00%
IFRA Category 2	12.00%
IFRA Category 3	4.00%
IFRA Category 4	Not limited
IFRA Category 5A	40.00%
IFRA Category 5B	7.80%
IFRA Category 5C	11.80%
IFRA Category 5D	2.60%
IFRA Category 6	Not limited
IFRA Category 7A	7.80%
IFRA Category 7B	7.80%
IFRA Category 8	2.60%
IFRA Category 9	36.00%
IFRA Category 10A	36.00%
IFRA Category 10B	86.00%
IFRA Category 11A	2.60%
IFRA Category 11B	2.60%
IFRA Category 12	Not limited

For other kinds of application or use at higher concentration levels, a new evaluation can be needed;

ADDITIONAL INFORMATION ABOUT INGREDIENTS

Ekokoza s.r.o.
Fryčovice 297, 73945, Fryčovice
IČ: 07508247, eshop@ekokoza.cz, +420605779993

Information about presence and concentration of fragrance ingredients subject to IFRA Limits in the fragrance mixture PIPERITA MENTHA is as follows:

Materials with an IFRA limit:	CAS number(s):	Concentration (%) in the fragrance mixture
Carvone	99-49-0, 2244-16-8, 6485-40-1	0.5000%

Regulatory Affairs Department



ANNEX 1

Below is an extract of information provided by IFRA in relation to types of application present in each IFRA Category. Additional information about IFRA Categories can be found in the Guidance to IFRA Standards, issued by IFRA.

IFRA Category	Product Type
IFRA Category 1	Lip Products of all types (solid and liquid lipsticks, balms, clear or colored, etc.); Childrens toys
IFRA 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, deo-cologne, etc.); Body sprays (including body mist)
IFRA 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
IFRA Category 4	Hydroalcoholic and nonhydroalcoholic fine fragrance of all types (Eau de Toilette, Parfum, Cologne, solid perfume, fragrancing cream, etc.), aftershaves of all types (except creams and balms); Fragranced bracelets; Ingredients of perfume kits and fragrance mixtures for cosmetic kits; Scent pads, foil packs; Scent strips for hydroalcoholic products
IFRA 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)
IFRA Category 5B	Facial toner; Facial moisturizers and creams (including care products for beard and mustache)
IFRA Category 5C	Hand cream; Nail care products including cuticle creams, nail lacquer remover, etc.; Hand sanitizers
IFRA Category 5D	Baby cream/lotion, baby oil, baby powders and talc
IFRA Category 6	Toothpaste; Mouthwash, including breath sprays; Toothpowder, strips, mouthwash tablets
IFRA Category 7A	Hair permanent or other hair chemical treatments (rinse-off) (e.g., relaxers), including rinse-off hair dyes
IFRA 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, hair perfume
IFRA Category 8	Intimate wipes; Intimate deodorant spray; Tampons; Baby wipes; Toilet paper (wet)
IFRA Category 9	Bar soap; Shampoo of all types; 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 (such as bath bombs); 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
IFRA Category 10A	Hand wash laundry detergent (including concentrates); Laundry pre-treatment of all types (e.g. paste, sprays, sticks); Hand dishwashing detergent (including concentrates); Hard surface cleaners of all types (bathroom and kitchen cleansers, furniture polish, etc.); Machine laundry detergents with skin contact (e.g., liquids, powders) including concentrates; Toilet seat wipes; Fabric softeners of all types excluding fabric softener sheets; Household cleaning products, other types including fabric cleaners, soft surface cleaners, carpet cleaners, furniture polishes sprays and wipes, leather cleaning wipes, stain removers, fabric enhancing sprays, treatment products for textiles (e.g., starch sprays, fabric treated with fragrances after wash, deodorizers for textiles or fabrics); Floor wax; Fragranced oil for lamp ring, reed diffusers, pot-pourri, liquid refills for air fresheners (non-cartridge systems), etc.; Ironing water (Odorized distilled water); Dry cleaning kits (involving manual application on the textile)
IFRA Category 10B	Animal sprays – sprays applied to animals of all types; Air freshener sprays, manual, including aerosol and pump; Aerosol/spray insecticides
IFRA Category 11A	Feminine hygiene conventional pads, liners, interlabial pads; Baby diapers; Incontinence pant, pad; Toilet paper (dry)
IFRA Category 11B	Tights with moisturizers; Scented socks, gloves; Facial tissues (dry tissues); Napkins; Pillow spray; Paper towels; Wheat bags; Facial masks (paper/protective) e.g., surgical masks not used as medical device; Fertilizers, solid (pellet or powder)
IFRA Category 12	Candles of all types (including encased); Laundry detergents for machine wash with minimal skin contact (e.g. Liquid tabs, pods); 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, solid non aerosol car diffuser); Air delivery systems; Cat litter; Cell phone cases; Deodorizers/maskers not intended for skin contact (e.g., fabric drying machine deodorizers, carpet powders); Dry cleaning kits (placed in the dryer); Dryer sheets and fabric softener sheets; Fuels; Insecticides (e.g., mosquito coil, paper, electrical, for clothing) excluding aerosols/sprays; Joss sticks or incense sticks; Dishwash detergent and deodorizers – for machine wash; Olfactive board games; Paints; Plastic articles (excluding toys); Scratch and sniff; Scent pack; Scent delivery system (using dry air technology); Shoe polishes; Rim blocks (toilet); Toilet gel; Scent beads

Ekokoza s.r.o.

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SAFETY DATA SHEET

PEPPERMINT OIL (MENTHA PIPERITA)

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

1.1. Product identifier

Product name	PEPPERMINT OIL (MENTHA PIPERITA)
Product number	MENTHA1000
Synonyms; trade names	Mentha Piperita, Peppermint Oil, Peppermint Ext
EU REACH registration number	01-2119974601-36-XXXX
CAS number	84082-70-2
Alternative Cas Number	8006-90-4
EC number	282-015-4
FEMA No:	2848

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

Identified uses

1.3. Details of the supplier of the safety data sheet

Supplier Ekokoza s.r.o.
Fryčovice 297
73945 Fryčovice
eshop@ekokoza.cz
+420605779993
IČ:07508247

1.4. Emergency telephone number Nouzové telefonní číslo: +420224919293 , +420224915402 (telefon 24hod/denně) Toxikologické informační středisko, Na Bojišti 1, 128 08 Praha2)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (SI 2019 No. 720)

Physical hazards	Not Classified
Health hazards	Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317
Environmental hazards	Aquatic Chronic 3 - H412
Human health	Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation.
Environmental	The product contains a substance which is harmful to aquatic organisms.

2.2. Label elements

PEPPERMINT OIL (MENTHA PIPERITA)

EC number 282-015-4

Hazard pictograms



Signal word Warning

Hazard statements
 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
 P273 Avoid release to the environment.
 P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P262 Do not get in eyes, on skin, or on clothing.
 P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
 P331 Do NOT induce vomiting.

Contains
 trans-menthone, 1, 8 cineole, d,l-Isomenthone, (S)-p-mentha-1,8-diene, Beta Caryophyllene, Alpha Pinene, Beta Pinene, Sabinene, 7-methyl-3-methyleneocta-1,6-diene

Supplementary precautionary statements
 P261 Avoid breathing vapour/ spray.
 P264 Wash contaminated skin thoroughly after handling.
 P272 Contaminated work clothing should not be allowed out of the workplace.
 P302+P352 IF ON SKIN: Wash with plenty of water.
 P321 Specific treatment (see medical advice on this label).
 P332+P313 If skin irritation occurs: Get medical advice/ attention.
 P333+P313 If skin irritation or rash occurs: Get medical advice/ attention.
 P337+P313 If eye irritation persists: Get medical advice/ attention.
 P362+P364 Take off contaminated clothing and wash it before reuse.
 P501 Dispose of contents/ container in accordance with national regulations.

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

L-Menthol		>= 30 <=55
CAS number: 2216-51-5	EC number: 218-690-9	
Classification Skin Irrit. 2 - H315 Eye Irrit. 2 - H319		
trans-menthone		>=12 <=33
CAS number: 89-80-5	EC number: 201-941-1	
Classification Acute Tox. 4 - H302 Aquatic Chronic 3 - H412		

PEPPERMINT OIL (MENTHA PIPERITA)

1, 8 cineole		>=2 <=10
CAS number: 470-82-6	EC number: 207-431-5	
Classification Flam. Liq. 3 - H226 Skin Sens. 1B - H317		
1-Menthylacetate(1alpha,2beta,5alpha)		>=2 <=10
CAS number: 2623-23-6	EC number: 220-076-0	
Classification Aquatic Chronic 2 - H411		
d,l-Isomenthone		>=1 <=6
CAS number: 491-07-6	EC number: 207-727-4	
Classification Skin Irrit. 2 - H315 Skin Sens. 1B - H317		
menthyl acetate		2 - 10%
CAS number: 89-48-5	EC number: 201-911-8	
Classification Aquatic Chronic 2 - H411		
(S)-p-mentha-1,8-diene		>=0.01 <=3
CAS number: 5989-54-8	EC number: 227-815-6	
M factor (Acute) = 1	M factor (Chronic) = 1	
Classification Flam. Liq. 3 - H226 Skin Irrit. 2 - H315 Skin Sens. 1 - H317 Asp. Tox. 1 - H304 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410		
neo-menthol		>=2 <=8
CAS number: 2216-52-6	EC number: 218-691-4	
Classification Skin Irrit. 2 - H315		

PEPPERMINT OIL (MENTHA PIPERITA)

Beta Caryophyllene		>=0.01 <=3.5
CAS number: 87-44-5	EC number: 201-746-1	
Classification Skin Sens. 1B - H317 Asp. Tox. 1 - H304 Aquatic Chronic 4 - H413		
menthofuran		>=0.01 <=9
CAS number: 494-90-6	EC number: 207-795-5	
Classification Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Aquatic Chronic 2 - H411		
Alpha Pinene		>=0.01 <=2
CAS number: 80-56-8	EC number: 201-291-9	
M factor (Acute) = 1	M factor (Chronic) = 1	
Classification Flam. Liq. 3 - H226 Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Skin Sens. 1 - H317 Asp. Tox. 1 - H304 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410		
Beta Pinene		>=0.01 <=2
CAS number: 127-91-3	EC number: 242-060-2	
M factor (Acute) = 1	M factor (Chronic) = 1	
Classification Flam. Liq. 3 - H226 Skin Irrit. 2 - H315 Skin Sens. 1 - H317 Asp. Tox. 1 - H304 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410		
Sabinene		>=0.01 <=1.5
CAS number: 3387-41-5	EC number: 222-212-4	
Classification Acute Tox. 4 - H302		

PEPPERMINT OIL (MENTHA PIPERITA)

7-methyl-3-methylenoocta-1,6-diene		>=0.01 <=1
CAS number: 123-35-3	EC number: 204-622-5	
M factor (Acute) = 1		
Classification		
Flam. Liq. 3 - H226		
Skin Irrit. 2 - H315		
Eye Irrit. 2 - H319		
Asp. Tox. 1 - H304		
Aquatic Acute 1 - H400		
Aquatic Chronic 2 - H411		

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Remove affected person from source of contamination. Get medical attention if any discomfort continues.
Ingestion	Rinse mouth thoroughly with water. Get medical attention immediately.
Skin contact	Remove contaminated clothing and rinse skin thoroughly with water. Get medical attention if irritation persists after washing.
Eye contact	Remove any contact lenses and open eyelids wide apart. Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes and get medical attention.

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

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

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Extinguish with foam, carbon dioxide or dry powder.
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products	Carbon dioxide (CO ₂). Organic compounds.
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5.3. Advice for firefighters

Protective actions during firefighting	Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Avoid inhalation of vapours.
Special protective equipment for firefighters	Use protective equipment appropriate for surrounding materials.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid inhalation of vapours/spray and contact with skin and eyes. Provide adequate ventilation.
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6.2. Environmental precautions

PEPPERMINT OIL (MENTHA PIPERITA)

Environmental precautions Do not discharge into drains or watercourses or onto the ground.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Soak up spillage with sand or other inert material. Transfer soaked material to suitable waste container and dispose according to prevailing regulations. If spillage on water occurs, remove from the surface with suitable absorbent material. Dispose according to National and international Environmental regulations.

6.4. Reference to other sections

Reference to other sections For personal protection, see Section 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Avoid inhalation of vapours/spray and contact with skin and eyes. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store in tightly-closed, original container in a dry, cool and well-ventilated place.

7.3. Specific end use(s)

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

L-Menthol (CAS: 2216-51-5)

DNEL	Workers - Inhalation; Long term systemic effects: 132 mg/m ³
	Workers - Dermal; Long term systemic effects: 19 mg/kg, bw/day
	General population - Inhalation; Long term systemic effects: 33 mg/m ³
	General population - Dermal; Long term systemic effects: 9.4 bw/day, mg/kg
	General population - Oral; Long term systemic effects: 9.4 mg/kg, bw/day
PNEC	- Fresh water; Short term 15.6 mg/l
	- Intermittent release, Fresh water; 156 mg/l
	- marine water; Short term 1.56 mg/l
	- STP; Short term 2.37 mg/l
	- Sediment (Freshwater); Short term 28.9 mg/kg
	- Sediment (Marinewater); Short term 28.9 mg/kg
	- Soil; Short term 48.4 mg/kg

1, 8 cineole (CAS: 470-82-6)

DNEL	Workers - Inhalation; Long term systemic effects: 7.05 mg/m ³
	Workers - Dermal; Long term systemic effects: 2 bw/day, mg/kg
	General population - Inhalation; Long term systemic effects: 1.74 mg/m ³
	General population - Dermal; Long term systemic effects: 1 bw/day, mg/kg
	General population - Oral; Long term systemic effects: 600 mg/kg, bw/day

PEPPERMINT OIL (MENTHA PIPERITA)

PNEC

- Fresh water; Short term 5.7 mg/l
- Intermittent release, Fresh water; 0.57 mg/l
- marine water; Short term 5.7 mg/l
- STP; Short term 10 mg/l
- Sediment (Freshwater); Short term 1.425 mg/kg
- Sediment (Marinewater); Short term 0.142 mg/kg
- Soil; Short term 0.25 mg/kg

menthyl acetate (CAS: 89-48-5)

DNEL

Workers - Inhalation; Long term systemic effects: 33.6 mg/m³
Workers - Dermal; Long term systemic effects: 9.5 mg/kg, bw/day
General population - Inhalation; Long term systemic effects: 8.3 mg/m³
General population - Dermal; Long term systemic effects: 4.8 bw/day, mg/kg
General population - Oral; Long term systemic effects: 4.8 bw/day, mg/kg

PNEC

- Fresh water; Short term 2.7 mg/l
- marine water; Short term 0.27 mg/l
- STP; Short term 0.26 mg/l
- Sediment (Freshwater); Short term 0.434 mg/kg
- Sediment (Marinewater); Short term 0.043 mg/kg
- Soil; Short term 0.085 mg/kg

Alpha Pinene (CAS: 80-56-8)

DNEL

Workers - Inhalation; Long term systemic effects: 3.8 mg/m³
Workers - Dermal; Long term systemic effects: 0.54 bw/day, mg/kg
General population - Inhalation; Long term systemic effects: 0.67 mg/m³
General population - Dermal; Long term systemic effects: 0.19 mg/kg, bw/day
General population - Oral; Long term systemic effects: 0.19 mg/kg, bw/day

PNEC

- Fresh water; Short term 0.606 mg/l
- Fresh water, Intermittent release; 3.03 mg/l
- marine water; Short term 0.061 mg/l
- Intermittent release, marine water; 0.303 mg/l
- STP; Short term 0.2 mg/l
- Sediment (Freshwater); Short term 157 mg/kg
- Sediment (Marinewater); Short term 15.7 mg/kg
- Soil; Short term 31.7 mg/kg

Beta Pinene (CAS: 127-91-3)

DNEL

Workers - Inhalation; Long term systemic effects: 5.69 mg/m³
Workers - Dermal; Long term systemic effects: 0.8 bw/day, mg/kg
General population - Inhalation; Long term systemic effects: 1 mg/m³
General population - Dermal; Long term systemic effects: 0.3 mg/kg, bw/day
General population - Oral; Long term systemic effects: 0.3 bw/day, mg/kg

PNEC

- Fresh water; Short term 1.004 mg/l
- Intermittent release, Fresh water; 5.02 mg/l
- marine water; Short term 0.1 mg/l
- STP; Short term 3.26 mg/l
- Sediment (Freshwater); Short term 0.337 mg/kg
- Sediment (Marinewater); Short term 0.034 mg/kg
- Soil; Short term 0.067 mg/kg

PEPPERMINT OIL (MENTHA PIPERITA)

7-methyl-3-methylenoocta-1,6-diene (CAS: 123-35-3)

DNEL Workers - Dermal; Long term systemic effects: 0.83 mg/kg
 Workers - Inhalation; Long term systemic effects: 5.83 mg/m³
 General population - Dermal; Long term systemic effects: 0.42 mg/kg
 General population - Inhalation; Long term systemic effects: 1.25 mg/m³

PNEC - STP; 0.2 mg/l
 - Soil; 1.015 mg/kg
 - Fresh water; 0.00028 mg/l
 - marine water; 0.0008 mg/l
 - Sediment (Freshwater); 5.022 mg/kg
 - Sediment (Marinewater); 0.502 mg/kg

a terpinolene (CAS: 586-62-9)

DNEL Workers - Inhalation; Long term systemic effects: 3.6 mg/m³
 Workers - Dermal; Long term systemic effects: 0.52 bw/day, mg/kg
 General population - Inhalation; Long term systemic effects: 0.9 mg/m³
 General population - Dermal; Long term systemic effects: 0.26 bw/day, mg/kg
 General population - Oral; Long term systemic effects: 0.26 mg/kg, bw/day

PNEC - Fresh water; Short term 0.634 mg/l
 - Intermittent release, Fresh water; Short term 0.634 mg/l
 - marine water; Short term 0.063 mg/l
 - STP; Short term 0.2 mg/l
 - Sediment (Freshwater); Short term 14.7 mg/kg
 - Sediment (Marinewater); Short term 14.7 mg/kg
 - Soil; Short term 29.1 mg/kg

8.2. Exposure controls

Protective equipment



Eye/face protection

Wear tight-fitting, chemical splash goggles or face shield.

Hand protection

Wear protective gloves.

Other skin and body protection

Wear apron or protective clothing in case of contact.

Hygiene measures

Good personal hygiene procedures should be implemented.

Respiratory protection

Generally unnecessary in a well ventilated area.
 If ventilation is insufficient, respiratory protection must be worn.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid.
Colour	Colourless to pale yellow.
Odour	minty
Flash point	72 ± 2°C Closed cup.

PEPPERMINT OIL (MENTHA PIPERITA)

Vapour pressure	43.8 Pa @ 25°C
Relative density	0.898 - 0.916 @ 20°C
Solubility(ies)	Miscible with ethanol (96%) and with methylene chloride
Auto-ignition temperature	280°C
Viscosity	7.71 m ² /s @ 20°C

9.2. Other information

Refractive index	1.457 - 1.467 @ 20°C
Optical Rotation	-30c to -10c
Hydrocarbon Content	

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	None known.
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10.2. Chemical stability

Stability	Stable under the prescribed storage conditions.
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	None known.
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10.4. Conditions to avoid

Conditions to avoid	Keep away from heat, sparks and open flame.
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10.5. Incompatible materials

Materials to avoid	Strong acids. Alkalis. Oxidising agents.
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10.6. Hazardous decomposition products

Hazardous decomposition products	Liable to cause smoke and acid fumes during combustion: carbon monoxide, carbon dioxide and other non identified organic compounds may be formed.
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

ATE oral (mg/kg)	6,451.61
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Acute toxicity - dermal

Notes (dermal LD ₅₀)	LD ₅₀ >5000 mg/kg bw, Dermal, Rabbit
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SECTION 12: Ecological information

12.1. Toxicity

Acute aquatic toxicity

Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hours: 2.7 mg/l, Daphnia magna
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Acute toxicity - aquatic plants	EC ₅₀ , 96 hours: 2.61 mg/l,
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12.2. Persistence and degradability

12.3. Bioaccumulative potential

PEPPERMINT OIL (MENTHA PIPERITA)

12.4. Mobility in soil

12.5. Results of PBT and vPvB assessment

12.6. Other adverse effects

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal methods Dispose of contents/container in accordance with local regulations.

SECTION 14: Transport information

14.1. UN number

UN No. (ADR/RID)	3082
UN No. (IMDG)	3082
UN No. (ICAO)	3082
UN No. (ADN)	3082

14.2. UN proper shipping name

Proper shipping name (ADR/RID) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

Proper shipping name (IMDG) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

Proper shipping name (ICAO) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

Proper shipping name (ADN) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

14.3. Transport hazard class(es)

ADR/RID class	9
ADR/RID classification code	M6
ADR/RID label	9
IMDG class	9
ICAO class/division	9
ADN class	9

Transport labels



14.4. Packing group

ADR/RID packing group	III
IMDG packing group	III
ICAO packing group	III
ADN packing group	III

14.5. Environmental hazards

PEPPERMINT OIL (MENTHA PIPERITA)

Environmentally hazardous substance/marine pollutant



14.6. Special precautions for user

EmS F-A, S-F

ADR transport category 3

Emergency Action Code •3Z

Hazard Identification Number 90
(ADR/RID)

Tunnel restriction code (E)

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

SECTION 15: Regulatory information

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

Guidance CHIP for everyone HSG228.

15.2. Chemical safety assessment

Inventories

EU - EINECS/ELINCS

Complies

Canada - DSL/NDSL

Complies

US - TSCA

Complies

US - TSCA 12(b) Export Notification

Not listed.

Australia - AIC

Complies

Japan - ENCS

Complies

Korea - KECI

Complies

China - IECSC

Complies

Philippines – PICCS

Complies

New Zealand - NZIOC

Complies

Taiwan - TCSI

Complies

PEPPERMINT OIL (MENTHA PIPERITA)**SECTION 16: Other information**

Revision date	03/05/2022
Revision	5
Supersedes date	18/06/2019
SDS number	5143
Hazard statements in full	H226 Flammable liquid and vapour. H301 Toxic if swallowed. 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. H335 May cause respiratory 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.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.



SPECIFICATION

The following information is accurate to the best of our knowledge
Please see our Safety Data Sheet for the hazardous information of this product.

PRODUCT:	PIPERITA MENTHA
CAS NO:	84082-70-2
Other Identifier:	EC: 282-015-4 ALTERNATIVE CAS: 8006-90-4 FEMA: 2848
Tariff Number:	33012510
Appearance (state):!	Liquid
Appearance (colour):!Odour:	Colourless to Pale Yellow!Characteristic
Specific Gravity @ 20C:!	0.8980 - 0.9160
Refractive Index @ 20C:!	1.4570 - 1.4670
Optical Rotation:	-30 to -10
Flash Point:	72 °C
Melting Point:	-74 °C
Boiling Point:	176 °C
Vapour Pressure @ 25°C:!	43.8 Pa
Content:	Total Menthol: Min 50%
Shelf Life (months) Unopened! and in original containers:	36
Storage:	Store in a well-ventilated place. Keep container tightly closed.

Regulatory Department

This specification is computer generated and valid without a signature

Ekokoza s.r.o.
Fryčovice 297, 73945, Fryčovice
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Vegan and Vegetarian Statement

IDENTIFICATION	
Product:	Piperita Mentha
Cas No:	84082-70-2
EINECS No:	282-015-4
STATEMENT	
<p>We, from information received from our supplier, hereby declare that the material listed above is suitable for the following:</p> <p>Vegans (Excludes all animal derived products, including dairy, eggs, leather, bee products (beeswax and honey).</p> <p>Lacto Vegetarians (Same as vegan but allows milk products and bee products.</p> <p>Ovo Vegetarians (Same as vegan but allows egg products and bee products)</p> <p>It does not contain any animal ingredients or animal by products. No animal ingredients or by products are used in the manufacturing process.</p> <p>This document represents to the best of our knowledge and from information received from our supplier. It does not release the buyer from the obligation to carry out an examination of the goods received. All uses made by the buyer are done under their own responsibility.</p>	