

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Issue date: 08/29/2018 Revision date: 05/09/2025 Supersedes: 04/26/2024

Version: 1.13

	6-21	Issue date: 08/29/2018	Revision date: 05/09/2025	Supersedes: 04/26/2024	Version: 1.13
SECTION 1: I	Identification				
	ication				
Product form		: Mixture			
Product name		: PEPPERMI	NT ORGANIC OIL		
Product code		: 50-6225-20			
1.2. Recom	nmended use and i	restrictions on use			
1.3. Suppli	er				
The Lebermuth C 4004 Technology South Bend, IN 4 T 574-259-7000	Company				
1.4. Emerg	ency telephone nu	umber			
Emergency numb	ber	CHEMTRE CCN 13010	C - USA: 800-424-9300 Interi	national: +1 703-527-3887 / 1-	800-424-9300
SECTION 2: I	Hazard(s) iden	tification			
2.1. Classi	fication of the sub	stance or mixture			
GHS US classifi	cation				
	itation Category 2 age/eye irritation Ca n, Category 1 Category 2	Cau ategory 2 Cau May Sus	nbustible liquid ses skin irritation ses serious eye irritation cause an allergic skin reaction pected of causing cancer pected of damaging fertility or t		
		luding precautionary state	ements		
GHS US labeling					
Hazard pictogran		GHS07	GHS08		
Signal word (GHS	S US)	: Warning			
Hazard statemen	its (GHS US)	Causes seri Suspected of	•	rn child	
Precautionary sta	atements (GHS US)	Do not hand	ial instructions before use. lle until all safety precautions h	ave been read and understood , open flames and other ignitio	
		smoking. Avoid breat Wash hand Contaminat Wear protec If on skin: W IF IN EYES and easy to If exposed o Specific trea If skin irritat If skin irritat	ning dust/fume/gas/mist/vapors, s, forearms and face thoroughly ed work clothing must not be al tive gloves/protective clothing/e /ash with plenty of water. Rinse cautiously with water for do. Continue rinsing. or concerned: Get medical advice atment (see supplemental first a on occurs: Get medical advice/ on or rash occurs: Get medical on persists: Get medical advice/	/spray. / after handling. lowed out of the workplace. eye protection/face protection. r several minutes. Remove cor ce/attention. aid instruction on this label). /attention. advice/attention.	

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		Take off contaminated clothing and wash it before reuse. Wash contaminated clothing before reuse. In case of fire: Use media other than water to extinguish. Store in a well-ventilated place. Keep cool. Store locked up. Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.
2.3.	Other hazards which do not result in	classification
No add	itional information available	
2.4.	Unknown acute toxicity (GHS US)	
Not on	aliaabla	

Not applicable

SECTION 3: Composition/Information on ingredients

3.1. Substances
Not applicable

3.2. Mixtures

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Name	Product identifier	%	GHS US classification
MENTHOL	(CAS-No.) 2216-51-5	25 – 50	Skin Irrit. 2, H315 Eye Irrit. 2B, H320
L-MENTHONE	(CAS-No.) 14073-97-3	10 – 25	Flam. Liq. 4, H227 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Skin Sens. 1B, H317
EUCALYPTOL	(CAS-No.) 470-82-6	1 – 5	Flam. Liq. 3, H226 Eye Irrit. 2B, H320 Skin Sens. 1B, H317
BETA-CARYOPHYLLENE	(CAS-No.) 87-44-5	1 – 5	Skin Sens. 1B, H317 Asp. Tox. 1, H304
(+)-Neomenthol	(CAS-No.) 2216-52-6	1 – 5	Skin Irrit. 2, H315 Eye Irrit. 2B, H320
I-Limonene	(CAS-No.) 5989-54-8	1 – 5	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Asp. Tox. 1, H304
MENTHOFURAN	(CAS-No.) 494-90-6	1 – 5	Flam. Liq. 4, H227 Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Irrit. 2A, H319
ISOMENTHONE	(CAS-No.) 491-07-6	1 – 5	Flam. Liq. 4, H227 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Skin Sens. 1B, H317
PULEGONE	(CAS-No.) 89-82-7	1 – 5	Flam. Liq. 4, H227 Acute Tox. 4 (Oral), H302 Carc. 2, H351
BETA-PINENE	(CAS-No.) 127-91-3	1 – 5	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Asp. Tox. 1, H304
ALPHA-PINENE	(CAS-No.) 80-56-8	1 – 5	Flam. Liq. 3, H226 Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Asp. Tox. 1, H304
4-TERPINEOL	(CAS-No.) 562-74-3	0.1 – 1	Flam. Liq. 4, H227 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2B, H320 Skin Sens. 1, H317 STOT SE 3, H336
GAMMA-TERPINENE	(CAS-No.) 99-85-4	0.1 – 1	Flam. Liq. 3, H226 Repr. 2, H361 Asp. Tox. 1, H304
P-CYMENE	(CAS-No.) 99-87-6	0.1 – 1	Flam. Liq. 3, H226 Acute Tox. 3 (Inhalation), H331 Acute Tox. 3 (Inhalation:vapour), H331 Repr. 2, H361 Asp. Tox. 1, H304
ALPHA-TERPINENE	(CAS-No.) 99-86-5	0.1 – 1	Flam. Liq. 3, H226 Acute Tox. 4 (Oral), H302 Eye Irrit. 2B, H320 Skin Sens. 1, H317 Asp. Tox. 1, H304

Full text of hazard classes and H-statements : see section 16

4.1. Description of first aid measures	
First-aid measures general	: IF exposed or concerned: Get medical advice/attention.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	: Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Call a poison center/doctor/physician if you feel unwell.

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4.0 March immediate a second official and a final descent in the large div				
4.2. Most important symptoms and effects (acute and delayed)				
3 1	No data available.			
	Irritation. May cause an allergic skin reaction.			
Symptoms/effects after eye contact :	Eye irritation.			
Symptoms/effects after ingestion : No data available.				
4.3. Immediate medical attention and spec	ial treatment, if necessary			
Treat symptomatically.				
SECTION 5: Fire-fighting measures				
5.1. Suitable (and unsuitable) extinguishin	g media			
	Water spray. Dry powder. Foam. Carbon dioxide.			
	Do not use a heavy water stream.			
5.2. Specific hazards arising from the cher	nical			
	Combustible liquid.			
	No direct explosion hazard.			
-	The product is non-reactive under normal conditions of use, storage and transport.			
5.3. Special protective equipment and pred Firefighting instructions	Fight fire from safe distance and protected location. Do not enter fire area without proper			
	protective equipment, including respiratory protection.			
Protection during firefighting :	Do not attempt to take action without suitable protective equipment. Self-contained breathing			
	apparatus. Complete protective clothing.			
SECTION 6: Accidental release measu	roe			
6.1. Personal precautions, protective equip				
General measures :	Stop leak if safe to do so. Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material-damage.			
6.1.1. For non-emergency personnel				
Protective equipment :	Wear recommended personal protective equipment.			
Emergency procedures :	Ventilate spillage area. No open flames, no sparks, and no smoking. Avoid contact with skin			
	and eyes. Avoid breathing dust/fume/gas/mist/vapors/spray.			
6.1.2. For emergency responders				
Protective equipment :	Do not attempt to take action without suitable protective equipment. For further information			
	refer to section 8: "Exposure controls/personal protection".			
Emergency procedures :	Evacuate unnecessary personnel. Stop leak if safe to do so.			
6.2. Environmental precautions				
Avoid release to the environment.				
6.3. Methods and material for containment and cleaning up				
	Absorb spilled material with sand or earth. Contain any spills with dikes or absorbents to			
	prevent migration and entry into sewers or streams. Stop leak, if possible without risk.			
Methods for cleaning up :	Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.			
Other information :	Dispose of materials or solid residues at an authorized site.			
6.4. Reference to other sections				
For further information refer to section 13.				
SECTION 7: Handling and storage				
7.1. Precautions for safe handling				
	Not expected to present a significant hazard under anticipated conditions of normal use.			
•	Ensure good ventilation of the work station. Keep away from heat, hot surfaces, sparks, open			
č	flames and other ignition sources. No smoking. Wear personal protective equipment. Obtain			
	special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid contact with skin and eyes. Avoid breathing			
	dust/fume/gas/mist/vapors/spray.			

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Hygiene measures	: Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.
7.2. Conditions for safe storage, includ	ing any incompatibilities
Technical measures	: Keep in a cool, well-ventilated place away from heat.
Storage conditions	: Store in a well-ventilated place. Keep cool. Store locked up.
Packaging materials	: Store always product in container of same material as original container.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

PEPPERMINT ORGANIC OIL	
No additional information available	
ALPHA-PINENE (80-56-8)	
No additional information available	
BETA-PINENE (127-91-3)	
No additional information available	
4-TERPINEOL (562-74-3)	
No additional information available	
+)-Neomenthol (2216-52-6)	
No additional information available	
MENTHOFURAN (494-90-6)	
No additional information available	
-Limonene (5989-54-8)	
No additional information available	
P-CYMENE (99-87-6)	
No additional information available	
ALPHA-TERPINENE (99-86-5)	
No additional information available	
GAMMA-TERPINENE (99-85-4)	
No additional information available	
EUCALYPTOL (470-82-6)	
No additional information available	
SOMENTHONE (491-07-6)	
No additional information available	
PULEGONE (89-82-7)	
No additional information available	
L-MENTHONE (14073-97-3)	
No additional information available	
MENTHOL (2216-51-5)	
No additional information available	
BETA-CARYOPHYLLENE (87-44-5)	
No additional information available	

8.2. Appropriate engineering controls

Appropriate engineering controls Environmental exposure controls Ensure good ventilation of the work station.Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:

Wear recommended personal protective equipment.

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Hand protection:

Protective gloves

Eye protection:

Chemical goggles or safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

[In case of inadequate ventilation] wear respiratory protection.



9.1Information on basic physical and C-U-U-U-U-U-U-U-U-U-U-U-U-U-U-U-U-U-U-U	SECTION 9: Physical and chemical	properties	
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9.2. Other information	Explosive properties	: No data available	
	Oxidizing properties	: No data available	
Refractive index : 1.461 (1.45 – 1.47)	9.2. Other information		
	Refractive index	: 1.461 (1.45 – 1.47)	

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

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10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11.1. Information on toxicologi	cal effects
Acute toxicity (oral)	: Not classified
cute toxicity (dermal)	: Not classified
cute toxicity (inhalation)	: Not classified
ALPHA-PINENE (80-56-8)	
LD50 oral rat	> 500 mg/kg body weight (OECD 423: Acute Oral Toxicity – Acute Toxic Class Method, Rat, Female, Experimental value, Oral, 01 day(s))
LD50 dermal rat	> 2000 mg/kg body weight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / female, Experimental value, Skin, 14 day(s))
ATE US (oral)	500 mg/kg body weight
BETA-PINENE (127-91-3)	
LD50 oral rat	4700 mg/kg (Rat, Oral)
ATE US (oral)	4700 mg/kg body weight
4-TERPINEOL (562-74-3)	
ATE US (oral)	1300 mg/kg body weight
ATE US (gases)	4500 ppmV/4h
ATE US (vapors)	11 mg/l/4h
ATE US (dust, mist)	1.5 mg/l/4h
(+)-Neomenthol (2216-52-6)	
ATE US (oral)	2500 mg/kg body weight
ATE US (dust, mist)	5.3 mg/l/4h
MENTHOFURAN (494-90-6)	
ATE US (oral)	500 mg/kg body weight
P-CYMENE (99-87-6)	
LD50 oral rat	4750 mg/kg (Rat, Male / female, Experimental value, Oral, 14 day(s))
LD50 dermal rabbit	> 5000 mg/kg (Rabbit, Experimental value, Dermal, 14 day(s))
LC50 Inhalation - Rat	> 9.7 mg/l (5 h, Rat, Experimental value, Inhalation)
ATE US (oral)	4750 mg/kg body weight
ATE US (gases)	700 ppmV/4h
ATE US (vapors)	9.7 mg/l/4h
ATE US (dust, mist)	0.5 mg/l/4h
ALPHA-TERPINENE (99-86-5)	
ATE US (oral)	1680 mg/kg body weight
GAMMA-TERPINENE (99-85-4)	
ATE US (oral)	3650 mg/kg body weight
EUCALYPTOL (470-82-6)	
LD50 oral rat	4500 mg/kg body weight (OECD 401: Acute Oral Toxicity, Rat, Male / female, Experimental value, Oral, 14 day(s))
LD50 dermal rat	> 2000 mg/kg body weight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / female, Experimental value, Dermal, 15 day(s))
ATE US (oral)	2480 mg/kg body weight
ISOMENTHONE (491-07-6)	
ATE US (oral)	2219 mg/kg body weight
ATE US (gases)	4500 ppmV/4h
ATE US (vapors)	11 mg/l/4h
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ISOMENTHONE (491-07-6)		
ATE US (dust, mist)	1.5 mg/l/4h	
PULEGONE (89-82-7)		
ATE US (oral)	470 mg/kg body weight	
ATE US (dermal)	3090 mg/kg body weight	
L-MENTHONE (14073-97-3)		
ATE US (oral)	2219 mg/kg body weight	
ATE US (gases)	4500 ppmV/4h	
ATE US (vapors)	11 mg/l/4h	
ATE US (dust, mist)	1.5 mg/l/4h	
MENTHOL (2216-51-5)		
ATE US (oral)	2500 mg/kg body weight	
ATE US (dust, mist)	5.3 mg/l/4h	
Skin corrosion/irritation	: Causes skin irritation.	
Serious eye damage/irritation	: Causes serious eye irritation.	
Respiratory or skin sensitization	: May cause an allergic skin reaction.	
Germ cell mutagenicity	: Not classified	
Carcinogenicity	: Suspected of causing cancer.	

PULEGONE (89-82-7)		
IARC group	2B - Possibly carcinogenic to humans	
Reproductive toxicity	: Suspected of damaging fertility or the unborn child.	

STOT-single exposure	: Not classified
4-TERPINEOL (562-74-3)	
STOT-single exposure	May cause drowsiness or dizziness.

STOT-repeated exposure

EUCALYPTOL (470-82-6)	
NOAEL (oral,rat,90 days)	600 mg/kg body weight Animal: rat, Animal sex: female, Guideline: other:, Guideline: OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity Study in Rodents), Guideline: EPA OPPTS 870.3150 (90-Day Oral Toxicity in Non-rodents)
Aspiration hazard	: Not classified
Viscosity, kinematic	: No data available
Symptoms/effects after inhalation	: No data available.
Symptoms/effects after skin contact	: Irritation. May cause an allergic skin reaction.
Symptoms/effects after eye contact	: Eye irritation.
Symptoms/effects after ingestion	: No data available.

SECTION 12: Ecological information 12.1. Toxicity Ecology - general : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

: Not classified

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ALPHA-PINENE (80-56-8)	
LC50 - Fish [1]	0.303 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Danio rerio, Semi-static system, Fresh water, Experimental value, GLP)
EC50 - Crustacea [1]	0.475 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Semi- static system, Fresh water, Experimental value, Locomotor effect)
BETA-PINENE (127-91-3)	
LC50 - Fish [1]	0.557 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Cyprinus carpio, Semi-static system, Fresh water, Weight of evidence, Other isomer)
ErC50 algae	0.826 mg/l (OECD 201: Alga, Growth Inhibition Test, 48 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Weight of evidence, Other isomer)
I-Limonene (5989-54-8)	
LC50 - Fish [1]	0.71 mg/l (Equivalent or similar to OECD 203, 96 h, Pimephales promelas, Flow-through system, Fresh water, Experimental value, Similar product)
EC50 - Crustacea [1]	0.36 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, Similar product)
P-CYMENE (99-87-6)	
LC50 - Fish [1]	48 mg/l (EPA OPPTS 850.1075, 96 h, Cyprinodon variegatus, Static system, Salt water, Experimental value)
EC50 - Crustacea [1]	3.7 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Semi- static system, Fresh water, Experimental value, GLP)
	•
EUCALYPTOL (470-82-6)	
LC50 - Fish [1]	57 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Oncorhynchus mykiss, Semi-static system, Fresh water, Experimental value, Nominal concentration)
EC50 - Crustacea [1]	> 100 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, Locomotor effect)
ErC50 algae	> 100 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system Fresh water, Experimental value, Nominal concentration)

12.2. Persistence and degradability	
ALPHA-PINENE (80-56-8)	
Persistence and degradability	Readily biodegradable in water.
BETA-PINENE (127-91-3)	
Persistence and degradability	Readily biodegradable in water.
I-Limonene (5989-54-8)	
Persistence and degradability	Readily biodegradable in water.
ThOD	3.29 g O ₂ /g substance
P-CYMENE (99-87-6)	
Persistence and degradability	Readily biodegradable in water.
EUCALYPTOL (470-82-6)	
Persistence and degradability	Readily biodegradable in water.

12.3. Bioaccumulative potential

ALPHA-PINENE (80-56-8)	
BCF - Other aquatic organisms [1]	1233.1 – 1248 l/kg (BCFBAF v3.01, Read-across, Fresh weight)
Partition coefficient n-octanol/water (Log Pow)	4.487 (Experimental value, Equivalent or similar to OECD 107, 25 °C)
Bioaccumulative potential	Potential for bioaccumulation ($500 \le BCF \le 5000$).
BETA-PINENE (127-91-3)	
BCF - Fish [1]	1125 l/kg (BCFBAF v3.01, Pisces, Fresh water, QSAR, Other isomer)
Partition coefficient n-octanol/water (Log Pow)	4.425 (Similar product, Read-across, Equivalent or similar to OECD 107, 25 °C)
Bioaccumulative potential	Potential for bioaccumulation ($4 \le Log Kow \le 5$).

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I-Limonene (5989-54-8)	
BCF - Fish [1]	683 l/kg (Calculated value)
Partition coefficient n-octanol/water (Log Pow)	4.38 (Experimental value, Equivalent or similar to OECD 117, 37 °C)
Bioaccumulative potential	Potential for bioaccumulation ($4 \le Log \text{ Kow} \le 5$).
P-CYMENE (99-87-6)	
Partition coefficient n-octanol/water (Log Pow)	4.8 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 20 °C)
Bioaccumulative potential	Potential for bioaccumulation ($4 \le Log \text{ Kow} \le 5$).
EUCALYPTOL (470-82-6)	
BCF - Other aquatic organisms [1]	112 l/kg (Literature study, Fresh weight)
Partition coefficient n-octanol/water (Log Pow)	3.4 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).

12.4. Mobility in soil

ALPHA-PINENE (80-56-8)	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	3.009 – 3.853 (log Koc, SRC PCKOCWIN v2.0, Calculated value)
Ecology - soil	Low potential for mobility in soil. May be harmful to plant growth, blooming and fruit formation.
BETA-PINENE (127-91-3)	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	3.009 – 3.836 (log Koc, Calculated value, Other isomer)
Ecology - soil	Low potential for mobility in soil.

I-Limonene (5989-54-8)	
Surface tension	No data available in the literature
Ecology - soil	Low potential for mobility in soil.
P-CYMENE (99-87-6)	
Surface tension	No data available in the literature
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	4.17 (log Koc, SRC PCKOCWIN v2.0, QSAR)
Ecology - soil	Low potential for mobility in soil.
EUCALYPTOL (470-82-6)	
Surface tension	61.5 mN/m (20 °C, 1 g/l, EU Method A.5: Surface tension)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.33 (log Koc, OECD 121: Estimation of the Adsorption Coefficient (Koc) on Soil and on Sewage Sludge using High Performance Liquid Chromatography (HPLC), Experimental value)
Ecology - soil	Low potential for adsorption in soil.

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal consideration	15
13.1. Disposal methods	
Regional waste regulation	: Disposal must be done according to official regulations.
Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Sewage disposal recommendations	: Disposal must be done according to official regulations.
Product/Packaging disposal recommendations	: Disposal must be done according to official regulations.
Additional information	: Do not re-use empty containers.
SECTION 14: Transport information	
Department of Transportation (DOT)	

In accordance with DOT

Transport document description (DOT)

: UN1197 Extracts, liquid (Regulated for Bulk only), Comb Liq, III

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UN-No. (DOT)	: UN1197
Proper Shipping Name (DOT)	: Extracts, liquid
	(Regulated for Bulk only)
Class (DOT)	: Comb Liq - Combustible liquid
Packing group (DOT)	: III - Minor Danger
DOT Packaging Non Bulk (49 CFR 173.xxx)	: 203
DOT Packaging Bulk (49 CFR 173.xxx)	: 242
DOT Special Provisions (49 CFR 172.102)	 B1 - If the material has a flash point at or above 38 C (100 F) and below 93 C (200 F), then the bulk packaging requirements of 173.241 of this subchapter are applicable. If the material has a flash point of less than 38 C (100 F), then the bulk packaging requirements of 173.242 of this subchapter are applicable. IB3 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1 and 31HA2, 31HB2, 31HD2, 31HD2 and 31HH2). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized, except for UN2672 (also see Special Provision IP8 in Table 2 for UN2672). T2 - 1.5 178.274(d)(2) Normal
DOT Packaging Exceptions (49 CFR 173.xxx)	: 150
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	: 60 L
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	: 220 L
DOT Vessel Stowage Location	: A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.
Emergency Response Guide (ERG) Number	: 127
Other information	: No supplementary information available.

Transportation of Dangerous Goods

Not regulated

Transport by sea

Not regulated

Air transport

Not regulated

SECTION 15: Regulatory information	
15.1. US Federal regulations	
PEPPERMINT ORGANIC OIL	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	

15.2. International regulations

CANADA

PEPPERMINT ORGANIC OIL

Listed on the Canadian DSL (Domestic Substances List)

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ALPHA-PINENE (80-56-8)
Listed on the Canadian DSL (Domestic Substances List)
BETA-PINENE (127-91-3)
Listed on the Canadian DSL (Domestic Substances List)
4-TERPINEOL (562-74-3)
Listed on the Canadian DSL (Domestic Substances List)
(+)-Neomenthol (2216-52-6)
Listed on the Canadian DSL (Domestic Substances List)
MENTHOFURAN (494-90-6)
Listed on the Canadian NDSL (Non-Domestic Substances List)
I-Limonene (5989-54-8)
Listed on the Canadian DSL (Domestic Substances List)
P-CYMENE (99-87-6)
Listed on the Canadian DSL (Domestic Substances List)
ALPHA-TERPINENE (99-86-5)
Listed on the Canadian DSL (Domestic Substances List)
GAMMA-TERPINENE (99-85-4)
Listed on the Canadian DSL (Domestic Substances List)
EUCALYPTOL (470-82-6)
Listed on the Canadian DSL (Domestic Substances List)
ISOMENTHONE (491-07-6)
Listed on the Canadian DSL (Domestic Substances List)
PULEGONE (89-82-7)
Listed on the Canadian DSL (Domestic Substances List)
L-MENTHONE (14073-97-3)
Listed on the Canadian DSL (Domestic Substances List)
MENTHOL (2216-51-5)
Listed on the Canadian DSL (Domestic Substances List)
BETA-CARYOPHYLLENE (87-44-5)
Listed on the Canadian DSL (Domestic Substances List)
EU-Regulations

No additional information available

National regulations

ALPHA-PINENE (80-56-8)
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active Listed on INSQ (Mexican National Inventory of Chemical Substances)
BETA-PINENE (127-91-3)
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active Listed on INSQ (Mexican National Inventory of Chemical Substances)

4-TERPINEOL (562-74-3)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active Listed on INSQ (Mexican National Inventory of Chemical Substances)

(+)-Neomenthol (2216-52-6)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active

MENTHOFURAN (494-90-6)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active

I-Limonene (5989-54-8)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active

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P-CYMENE (99-87-6)
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active Listed on INSQ (Mexican National Inventory of Chemical Substances)
ALPHA-TERPINENE (99-86-5)
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active
GAMMA-TERPINENE (99-85-4)
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active Listed on INSQ (Mexican National Inventory of Chemical Substances)
EUCALYPTOL (470-82-6)
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active Listed on INSQ (Mexican National Inventory of Chemical Substances)
ISOMENTHONE (491-07-6)
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active
PULEGONE (89-82-7)
Listed on IARC (International Agency for Research on Cancer) Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active
L-MENTHONE (14073-97-3)
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active
MENTHOL (2216-51-5)
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active Listed on INSQ (Mexican National Inventory of Chemical Substances)
BETA-CARYOPHYLLENE (87-44-5)
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active
15.3. US State regulations
This product can expose you to beta-myrcene, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

This product can expose you to pulegone, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

Component	State or local regulations
ALPHA-PINENE(80-56-8)	U.S Massachusetts - Right To Know List; U.S New Jersey - Right to Know Hazardous Substance List; U.S Pennsylvania - RTK (Right to Know) List
P-CYMENE(99-87-6)	U.S Massachusetts - Right To Know List; U.S Pennsylvania - RTK (Right to Know) List

SECTION 16: Other information	
Revision date	: 05/09/2025

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text of H-phrases:	
H226	Flammable liquid and vapor
H227	Combustible liquid
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
H320	Causes eye irritation
H331	Toxic if inhaled
H332	Harmful if inhaled
H336	May cause drowsiness or dizziness
H351	Suspected of causing cancer
H361	Suspected of damaging fertility or the unborn child

SDS US (GHS HazCom 2012) - Lebermuth

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.