

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Issue date: 03/26/2021 Version: 1.0

: Mixture
: CANNATONIC SOLVENT FREE TERPENE BLEND
: N/A
: TPBL139
on use
: CHEMTREC - USA: 800-424-9300 International: +1 703-527-3887 / 1-800-424-9300 CCN 13010
nixture
Flammable liquid and vapor Causes skin irritation Causes serious eye irritation May cause an allergic skin reaction Suspected of causing cancer Suspected of damaging fertility or the unborn child May be fatal if swallowed and enters airways
cautionary statements
: GHS02 GHS07 GHS08
: Danger
 Earlight Flammable liquid and vapor May be fatal if swallowed and enters airways Causes skin irritation May cause an allergic skin reaction Causes serious eye irritation Suspected of causing cancer Suspected of damaging fertility or the unborn child
 Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Ground/Bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Avoid breathing dust/fume/gas/mist/vapors/spray. Wash hands, forearms and face thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace.

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Wear protective gloves/protective clothing/eye protection/face protection. If swallowed: Immediately call a poison center or doctor. If on skin: Wash with plenty of water. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If exposed or concerned: Get medical advice/attention. Specific treatment (see supplemental first aid instruction on this label). Do NOT induce vomiting. If skin irritation occurs: Get medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. 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. Other hazards which do not result in classification No additional information available Unknown acute toxicity (GHS US) Not applicable SECTION 3: Composition/Information on ingredients

3.1. **Substances**

Not applicable

2.3.

2.4.

3.2. **Mixtures**

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Name	Product identifier	%	GHS US classification
LIME OIL TERPENES	(CAS-No.) 68917-71-5	25 – 50	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Repr. 2, H361 Asp. Tox. 1, H304
BETA CARYOPHYLLENE	(CAS-No.) 87-44-5	10 – 25	Skin Sens. 1B, H317 Asp. Tox. 1, H304
MYRCENE	(CAS-No.) 123-35-3	≥5	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Carc. 2, H351 Asp. Tox. 1, H304
BETA PINENE	(CAS-No.) 127-91-3	5 – 10	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Asp. Tox. 1, H304
LINALOOL	(CAS-No.) 78-70-6	5 – 10	Flam. Liq. 4, H227 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Skin Sens. 1B, H317
ALPHA PINENE	(CAS-No.) 7785-26-4	5 – 10	Flam. Liq. 3, H226 Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Asp. Tox. 1, H304
LIME OIL	(CAS-No.) 8008-26-2	1 – 5	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Repr. 2, H361 Asp. Tox. 1, H304
p-Mentha-1,4-diene	(CAS-No.) 99-85-4	1 – 5	Flam. Liq. 3, H226 Asp. Tox. 1, H304
TERPINOLENE	(CAS-No.) 586-62-9	1 – 5	Flam. Liq. 4, H227 Skin Sens. 1B, H317 Asp. Tox. 1, H304
Orange oil, sweet, terpenes	(CAS-No.) 8028-48-6	< 5	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Asp. Tox. 1, H304
CAMPHENE	(CAS-No.) 79-92-5	1 – 5	Flam. Sol. 2, H228 Eye Irrit. 2B, H320
NEROL	(CAS-No.) 106-25-2	1 – 5	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1B, H317

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

SECTION 4: First-aid measures	
4.1. Description of first aid measures	
First-aid measures general	: Call a physician immediately.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	: Rinse skin with water/shower. Remove/Take off immediately all 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	: Do not induce vomiting. Call a physician immediately.
4.2. Most important symptoms and ef	fects (acute and delayed)
Symptoms/effects after skin contact	: Irritation. May cause an allergic skin reaction.
Symptoms/effects after eye contact	: Eye irritation.
Symptoms/effects after ingestion	: Risk of lung edema.
4.3. Immediate medical attention and	special treatment, if necessary
Treat a mante metically	

Treat symptomatically.

SECTION 5: Fire-fighting measures		
5.1.	Suitable (and unsuitable) extinguish	ing media
Suitable	extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide.

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5.2. Specific hazards arising from the che	2. Specific hazards arising from the chemical	
ire hazard	: Flammable liquid and vapor.	
leactivity	: Flammable liquid and vapor.	
.3. Special protective equipment and pre	cautions for fire-fighters	
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.	
ECTION 6: Accidental release measu	ures	
.1. Personal precautions, protective equi	ipment and emergency procedures	
5.1.1. For non-emergency personnel		
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".	
5.2. Environmental precautions		
Avoid release to the environment.		
6.3. Methods and material for containmen	t and cleaning up	
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		
Precautions for safe handling	: Ensure good ventilation of the work station. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapors may accumulate in the container. Use explosion-proof equipment. 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.	
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, including	g any incompatibilities	
	: Ground/bond container and receiving equipment.	
Storage conditions	: Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.	
SECTION 8: Exposure controls/perso		
8.1. Control parameters		
CANNATONIC SOLVENT FREE TERPENE BL	END (N/A)	
No additional information available		
ALPHA PINENE (7785-26-4)		
No additional information available		
BETA PINENE (127-91-3)		
No additional information available		
BETA CARYOPHYLLENE (87-44-5)		
No additional information available		
CAMPHENE (79-92-5) No additional information available		
NEROL (106-25-2) No additional information available		
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LIME OIL (8008-26-2)
No additional information available
p-Mentha-1,4-diene (99-85-4)
No additional information available
LIME OIL TERPENES (68917-71-5)
No additional information available
LINALOOL (78-70-6)
No additional information available
TERPINOLENE (586-62-9)
No additional information available
MYRCENE (123-35-3)
No additional information available
Orange oil, sweet, terpenes (8028-48-6)
No additional information available

8.2. Appropriate engineering controls

: Ensure good ventilation of the work station.

Appropriate engineering controls Environmental exposure controls

: Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Hand protection:

Protective gloves

Eye protection:

Safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

Wear respiratory protection.



9.1. Information on basic physical and	d chemical properties
Physical state	: Liquid
	: COLORLESS
Odor	: CHARACTERISTIC, MATCHING RETAINER SAMPLE
Odor threshold	: No data available
рН	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 51 °C
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: Not applicable.
Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available
Relative density	: 0.868 (0.858 – 0.878)
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Solubility	: Insoluble.
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
9.2. Other information	
Refractive index	· 1 479 (1 469 – 1 489)

Refractive index :	1.479 (1.469 – 1.489)	
SECTION 10: Stability and reactivity		
0.1. Reactivity		
Flammable liquid and vapor.		
10.2. Chemical stability		
Stable under normal conditions.		
10.3. Possibility of hazardous reactions		
No dangerous reactions known under normal cond	itions of use.	
10.4. Conditions to avoid		
Avoid contact with hot surfaces. Heat. No flames, r	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, hazar	dous decomposition products should not be produced.	
SECTION 11: Toxicological informatio	n	
11.1. Information on toxicological effects		
Acute toxicity (oral)	Not classified	
	Not classified	
Acute toxicity (inhalation)	Not classified	
ALPHA PINENE (7785-26-4)		
ATE US (oral)	500 mg/kg body weight	
NEROL (106-25-2)		
LD50 oral rat	4500 mg/kg (Rat, Oral)	
LD50 dermal rabbit	> 5000 mg/kg (Rabbit, Dermal)	
ATE US (oral)	4500 mg/kg body weight	
p-Mentha-1,4-diene (99-85-4)		
ATE US (oral)	3850 mg/kg body weight	
LINALOOL (78-70-6)		

Carcinogenicity

LD50 oral rat

LD50 dermal rat

ATE US (oral)

ATE US (dermal)

Skin corrosion/irritation

Germ cell mutagenicity

Serious eye damage/irritation

Respiratory or skin sensitization

LD50 dermal rabbit

: Not classified

2790 mg/kg (Rat)

5610 mg/kg (Rat)

> 5000 mg/kg (Rabbit)

2790 mg/kg body weight

5610 mg/kg body weight

: Causes serious eye irritation.

: Suspected of causing cancer.

: May cause an allergic skin reaction.

: Causes skin irritation.

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MYRCENE (123-35-3)	
IARC group	2B - Possibly carcinogenic to humans
Reproductive toxicity	: Suspected of damaging fertility or the unborn child.
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard Viscosity, kinematic	May be fatal if swallowed and enters airways.No data available
Symptoms/effects after skin contact Symptoms/effects after eye contact Symptoms/effects after ingestion	 Irritation. May cause an allergic skin reaction. Eye irritation. Risk of lung edema.

SECTION	ON 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.

NEROL (106-25-2)		
LC50 fish 1	20.3 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Danio rerio, Semi-static system, Fresh water, Experimental value, GLP)	
EC50 Daphnia 1	32.4 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, GLP)	
ErC50 (algae)	9.54 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP)	
LINALOOL (78-70-6)		
EC50 Daphnia 1	59 mg/l (EC50; OECD 202: Daphnia sp. Acute Immobilisation Test; 48 h; Daphnia magna)	
EC50 other aquatic organisms 1	≥ 100 mg/l (3 h; Activated sludge)	
LC50 fish 2	27.8 mg/l (LC50; OECD 203: Fish, Acute Toxicity Test; 96 h; Salmo gairdneri)	

88.3 mg/l (EC50; 96 h)

12.2. Persistence and degradability

Threshold limit algae 1

CAMPHENE (79-92-5)	
ersistence and degradability Not readily biodegradable in water.	
NEROL (106-25-2)	
Persistence and degradability	Readily biodegradable in water.
LINALOOL (78-70-6)	
Persistence and degradability	Readily biodegradable in water.
Biochemical oxygen demand (BOD)	1.531 g O ₂ /g substance
Chemical oxygen demand (COD)	2.808 g O ₂ /g substance
MYRCENE (123-35-3)	
Persistence and degradability	Readily biodegradable in water.
12.3. Bioaccumulative potential	

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CAMPHENE (79-92-5)		
BCF fish 1	432 – 1290 (Cyprinus carpio, Test duration: 8 weeks)	
Partition coefficient n-octanol/water (Log Pow)	4.02	
Bioaccumulative potential	Potential for bioaccumulation ($500 \le BCF \le 5000$).	
NEROL (106-25-2)		
Partition coefficient n-octanol/water (Log Pow)	3.47 (Experimental value)	
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).	
LINALOOL (78-70-6)		
Partition coefficient n-octanol/water (Log Pow)	2.84 – 3.145	
Bioaccumulative potential	Bioaccumable	

Bioaccumulative potential	Bioaccumable.
MYRCENE (123-35-3)	
Partition coefficient n-octanol/water (Log Pow)	5.285 (Literature, 25 °C)
Bioaccumulative potential	High potential for bioaccumulation (Log Kow > 5).

12.4. Mobility in soil

1.9738 (log Koc, SRC PCKOCWIN v2.0, QSAR)
Highly mobile in soil.

MYRCENE (123-35-3)	
Ecology - soil	No (test)data on mobility of the substance available.

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal consideration	ns
13.1. Disposal methods	
Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Additional information	: Flammable vapors may accumulate in the container.
SECTION 14: Transport information	
Department of Transportation (DOT)	
In accordance with DOT	
Not regulated	
Transportation of Dangerous Goods	
Not applicable	
Transport by sea	
Transport document description (IMDG)	: UN 1266 PERFUMERY PRODUCTS, 3, III
UN-No. (IMDG)	: 1266
Proper Shipping Name (IMDG)	: PERFUMERY PRODUCTS
Class (IMDG)	: 3 - Flammable liquids
Packing group (IMDG)	: III - substances presenting low danger
Limited quantities (IMDG)	: 5 L
Air transport	
Transport document description (IATA)	: UN 1266 Perfumery products, 3, III
UN-No. (IATA)	: 1266
Proper Shipping Name (IATA)	: Perfumery products
Class (IATA)	: 3 - Flammable Liquids
Packing group (IATA)	: III - Minor Danger
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SECTION 15: Regulatory information

15.1. US Federal regulations

ALPHA PINENE (7785-26-4) Listed on the United States TSCA (Toxic Substances Control Act) inventory

BETA PINENE (127-91-3)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

BETA CARYOPHYLLENE (87-44-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

CAMPHENE (79-92-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

NEROL (106-25-2)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

LIME OIL (8008-26-2)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

p-Mentha-1,4-diene (99-85-4)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

LIME OIL TERPENES (68917-71-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

LINALOOL (78-70-6)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

TERPINOLENE (586-62-9)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

MYRCENE (123-35-3)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Orange oil, sweet, terpenes (8028-48-6)

Not listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2. International regulations CANADA

ALPHA PINENE (7785-26-4)
Listed on the Canadian NDSL (Non-Domestic Substances List)
BETA PINENE (127-91-3)
Listed on the Canadian DSL (Domestic Substances List)
BETA CARYOPHYLLENE (87-44-5)
Listed on the Canadian DSL (Domestic Substances List)
CAMPHENE (79-92-5)
Listed on the Canadian DSL (Domestic Substances List)
NEROL (106-25-2)
Listed on the Canadian DSL (Domestic Substances List)

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LIME OIL (8008-26-2)
Listed on the Canadian DSL (Domestic Substances List)
p-Mentha-1,4-diene (99-85-4)
Listed on the Canadian DSL (Domestic Substances List)
LIME OIL TERPENES (68917-71-5)
Listed on the Canadian DSL (Domestic Substances List)
LINALOOL (78-70-6)
Listed on the Canadian DSL (Domestic Substances List)
TERPINOLENE (586-62-9)
Listed on the Canadian DSL (Domestic Substances List)
MYRCENE (123-35-3)
Listed on the Canadian DSL (Domestic Substances List)
Orange oil, sweet, terpenes (8028-48-6)
Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

National regulations

MYRCENE (123	-35-3)	
Listed on IARC (International Agency for Research on Cancer)	
15.3. US State reg	gulations	
\Lambda WARNING:	WARNING: This product can expose you to myrcene, 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
	TERPINOLENE(586-62-9)	U.S New Jersey - Right to Know Hazardous Substance

List

SECTION 16: Other information

H226	Flammable liquid and vapor
H227	Combustible liquid
H228	Flammable solid
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
H351	Suspected of causing cancer
H361	Suspected of damaging fertility or the unborn child

SDS US (GHS HazCom 2012) - Extract Consultants

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.