

### SECTION 1: Identification

#### 1.1. Identification

Product form : Mixture  
Product name : BERGAMOT & FIR FRAGRANCE OIL  
CAS-No. : MIXTURE  
Product code : #10430

#### 1.2. Recommended use and restrictions on use

No additional information available

#### 1.3. Supplier

Voyageur Soap & Candle Co. LTD  
Unit 14 - 19257 Enterprise Way,  
Surrey, B.C., V3S 6J8  
1(800) 758-7773  
www.voyageursoapandcandle.com

#### 1.4. Emergency telephone number

Emergency number : INFOTRAC (US & Canada) 1-800-535-5053 | (International) 1-352-323-3500

### SECTION 2: Hazard(s) identification

#### 2.1. Classification of the substance or mixture

##### GHS US classification

Flammable liquids Category 4	H227 Combustible liquid
Acute toxicity (inhalation:dust,mist) Category 4	H332 Harmful if inhaled
Skin corrosion/irritation Category 2	H315 Causes skin irritation
Serious eye damage/eye irritation Category 2	H319 Causes serious eye irritation
Skin sensitization, Category 1	H317 May cause an allergic skin reaction

Full text of H statements : see section 16

#### 2.2. GHS Label elements, including precautionary statements

##### GHS US labeling

Hazard pictograms (GHS US) :



Signal word (GHS US) :

Warning

Hazard statements (GHS US) :

H227 - Combustible liquid  
H315 - Causes skin irritation  
H317 - May cause an allergic skin reaction  
H319 - Causes serious eye irritation  
H332 - Harmful if inhaled

Precautionary statements (GHS US) :

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.  
P264 - Wash hands, forearms and face thoroughly after handling.  
P271 - Use only outdoors or in a well-ventilated area.  
P272 - Contaminated work clothing must not be allowed out of the workplace.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection.  
P302+P352 - If on skin: Wash with plenty of water.  
P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing.  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P312 - Call a poison center or doctor if you feel unwell.  
P321 - Specific treatment (see supplemental first aid instruction 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.  
P363 - Wash contaminated clothing before reuse.

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P370+P378 - In case of fire: Use media other than water to extinguish.  
P403+P235 - Store in a well-ventilated place. Keep cool.  
P501 - 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 additional information available

### 2.4. Unknown acute toxicity (GHS US)

Not applicable

## SECTION 3: Composition/Information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	%	GHS US classification
DIPROPYLENE GLYCOL	(CAS-No.) 110-98-5	30 - 70	Acute Tox. 4 (Inhalation:dust,mist), H332
1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone	(CAS-No.) 54464-57-2	5 - 10	Skin Irrit. 2, H315 Skin Sens. 1B, H317
DIHYDRO MYRCENOL	(CAS-No.) 18479-58-8	5 - 10	Flam. Liq. 4, H227 Skin Irrit. 2, H315 Eye Irrit. 2, H319
CEDRAMBER	(CAS-No.) 19870-74-7	1 - 5	Skin Sens. 1B, H317
LINALYL ACETATE	(CAS-No.) 115-95-7	1 - 5	Flam. Liq. 4, H227 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317
ETHYL LINALOOL	(CAS-No.) 10339-55-6	1 - 5	Flam. Liq. 4, H227 Skin Irrit. 2, H315 Eye Irrit. 2, H319
D-LIMONENE	(CAS-No.) 5989-27-5	1 - 5	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Asp. Tox. 1, H304
FLOROL	(CAS-No.) 63500-71-0	1 - 5	Eye Irrit. 2, H319
delta-3-Carene	(CAS-No.) 13466-78-9	< 0.5	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Asp. Tox. 1, H304
l-Limonene	(CAS-No.) 5989-54-8	< 0.5	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Asp. Tox. 1, H304
d-Limonene	(CAS-No.) 5989-27-5	< 0.5	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Asp. Tox. 1, H304

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 poison center/doctor/physician if you feel unwell.
- First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor/physician if you feel unwell.
- 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.

### 4.2. Most important symptoms and effects (acute and delayed)

- Symptoms/effects after skin contact : Irritation. May cause an allergic skin reaction.
- Symptoms/effects after eye contact : Eye irritation.

### 4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

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### SECTION 5: Fire-fighting measures

#### 5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

#### 5.2. Specific hazards arising from the chemical

Fire hazard : Combustible liquid.

#### 5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

### SECTION 6: Accidental release measures

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

##### 6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. No open flames, no sparks, and no smoking. Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes.

##### 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".

#### 6.2. Environmental precautions

Avoid release to the environment.

#### 6.3. Methods and material for containment 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 : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Wear personal protective equipment. Use only outdoors or in a well-ventilated area. Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes.

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 any incompatibilities

Storage conditions : Store in a well-ventilated place. Keep cool.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### d-Limonene (5989-27-5)

Not applicable

##### l-Limonene (5989-54-8)

Not applicable

##### D-LIMONENE (5989-27-5)

Not applicable

##### LINALYL ACETATE (115-95-7)

Not applicable

##### delta-3-Carene (13466-78-9)

Not applicable

##### FLOROL (63500-71-0)

Not applicable

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<b>CEDRAMBER (19870-74-7)</b>
Not applicable
<b>DIHYDRO MYRCENOL (18479-58-8)</b>
Not applicable
<b>DIPROPYLENE GLYCOL (110-98-5)</b>
Not applicable
<b>ETHYL LINALOOL (10339-55-6)</b>
Not applicable
<b>ISO E SUPER (54464-57-2)</b>
Not applicable

### 8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.  
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.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Color	: Mixture contains one or more component(s) which have the following colour(s): Colourless Colourless to light yellow On exposure to air: yellow Light yellow White On exposure to light: yellow Colourless to white On exposure to light: turns yellow On exposure to air: turns yellow Colourless to yellow White to light yellow On exposure to light: discolours
Odor	: There may be no odour warning properties, odour is subjective and inadequate to warn of overexposure. Mixture contains one or more component(s) which have the following odour: Floral odour Fruity odour Sweet odour Lemon odour Mild odour Characteristic odour Strong odour Almost odourless Phenol odour Aromatic odour Pleasant odour Alcohol odour
Odor threshold	: No data available
pH	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: No data available
Flash point	: ≈ 81 °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	: No data available
Solubility	: No data available
Log Pow	: No data available
Auto-ignition temperature	: No data available

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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

No additional information available

## 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.

### 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.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Harmful if inhaled.

ATE US (dust, mist)	4.383 mg/l/4h
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<b>d-Limonene (5989-27-5)</b>	
LD50 oral rat	> 2000 mg/kg body weight (OECD 423: Acute Oral Toxicity – Acute Toxic Class Method, Rat, Female, Read-across, Oral)
LD50 dermal rabbit	> 5000 mg/kg body weight (Equivalent or similar to OECD 402, Rabbit, Weight of evidence, Dermal)

<b>D-LIMONENE (5989-27-5)</b>	
LD50 oral rat	> 2000 mg/kg body weight (OECD 423: Acute Oral Toxicity – Acute Toxic Class Method, Rat, Female, Read-across, Oral)
LD50 dermal rabbit	> 5000 mg/kg body weight (Equivalent or similar to OECD 402, Rabbit, Weight of evidence, Dermal)

<b>delta-3-Carene (13466-78-9)</b>	
ATE US (oral)	4800 mg/kg body weight

<b>DIHYDRO MYRCENOL (18479-58-8)</b>	
ATE US (oral)	3600 mg/kg body weight

<b>DIPROPYLENE GLYCOL (110-98-5)</b>	
LD50 oral rat	> 5000 mg/kg body weight (Equivalent or similar to OECD 401, Rat, Male / female, Experimental value, Oral)
LD50 dermal rabbit	> 5010 mg/kg body weight (Equivalent or similar to OECD 402, Rabbit, Male / female, Experimental value, Dermal)
LC50 inhalation rat (mg/l)	2.34 mg/l (Equivalent or similar to OECD 403, Rat, Male / female, Experimental value, Inhalation)
ATE US (vapors)	2.34 mg/l/4h
ATE US (dust, mist)	2.34 mg/l/4h

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<b>ETHYL LINALOOL (10339-55-6)</b>	
ATE US (oral)	5000 mg/kg body weight

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	: Not classified

<b>d-Limonene (5989-27-5)</b>	
IARC group	3 - Not classifiable

<b>D-LIMONENE (5989-27-5)</b>	
IARC group	3 - Not classifiable

Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified

STOT-repeated exposure : Not classified

Aspiration hazard	: Not classified
Viscosity, kinematic	: No data available

Symptoms/effects after skin contact	: Irritation. May cause an allergic skin reaction.
Symptoms/effects after eye contact	: Eye irritation.

## 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.

<b>d-Limonene (5989-27-5)</b>	
LC50 fish 1	720 µg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Pimephales promelas, Flow-through system, Fresh water, Experimental value, Lethal)
EC50 Daphnia 1	0.36 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, GLP)

<b>D-LIMONENE (5989-27-5)</b>	
LC50 fish 1	720 µg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Pimephales promelas, Flow-through system, Fresh water, Experimental value, Lethal)
EC50 Daphnia 1	0.36 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, GLP)

<b>LINALYL ACETATE (115-95-7)</b>	
LC50 fish 1	11 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Cyprinus carpio)
EC50 Daphnia 1	15 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna)

<b>DIPROPYLENE GLYCOL (110-98-5)</b>	
LC50 fish 1	> 1000 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Oryzias latipes, Semi-static system, Fresh water, Experimental value)
LC50 other aquatic organisms 1	3181 mg/l (Other, 48 h, Xenopus laevis, Fresh water, Experimental value)
EC50 Daphnia 1	> 100 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value)

### 12.2. Persistence and degradability

<b>d-Limonene (5989-27-5)</b>	
Persistence and degradability	Readily biodegradable in water.

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<b>d-Limonene (5989-27-5)</b>	
ThOD	3.29 g O <sub>2</sub> /g substance
<b>D-LIMONENE (5989-27-5)</b>	
Persistence and degradability	Readily biodegradable in water.
ThOD	3.29 g O <sub>2</sub> /g substance
<b>LINALYL ACETATE (115-95-7)</b>	
Persistence and degradability	Readily biodegradable in water.
<b>FLOROL (63500-71-0)</b>	
Persistence and degradability	Biodegradability in water: no data available.
<b>DIHYDRO MYRCENOL (18479-58-8)</b>	
Persistence and degradability	Biodegradability in water: no data available.
<b>DIPROPYLENE GLYCOL (110-98-5)</b>	
Persistence and degradability	Readily biodegradable in water.
<b>ETHYL LINALOOL (10339-55-6)</b>	
Persistence and degradability	Biodegradability in water: no data available.

### 12.3. Bioaccumulative potential

<b>d-Limonene (5989-27-5)</b>	
BCF fish 1	864.8 - 1022 (Pisces, QSAR, Fresh weight)
Log Pow	4.38 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 37 °C)
Bioaccumulative potential	Potential for bioaccumulation (4 ≥ Log Kow ≤ 5).
<b>D-LIMONENE (5989-27-5)</b>	
BCF fish 1	864.8 - 1022 (Pisces, QSAR, Fresh weight)
Log Pow	4.38 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 37 °C)
Bioaccumulative potential	Potential for bioaccumulation (4 ≥ Log Kow ≤ 5).
<b>LINALYL ACETATE (115-95-7)</b>	
Log Pow	3.93 (Experimental value)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
<b>FLOROL (63500-71-0)</b>	
Bioaccumulative potential	No bioaccumulation data available.
<b>DIHYDRO MYRCENOL (18479-58-8)</b>	
Log Pow	3.47 (Estimated value)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
<b>DIPROPYLENE GLYCOL (110-98-5)</b>	
Log Pow	-0.462 (Test data, Equivalent or similar to OECD 107, 21.7 °C)
Bioaccumulative potential	Bioaccumulation: not applicable.
<b>ETHYL LINALOOL (10339-55-6)</b>	
Bioaccumulative potential	No bioaccumulation data available.

### 12.4. Mobility in soil

<b>d-Limonene (5989-27-5)</b>	
Ecology - soil	Adsorbs into the soil.
<b>D-LIMONENE (5989-27-5)</b>	
Ecology - soil	Adsorbs into the soil.
<b>LINALYL ACETATE (115-95-7)</b>	
Ecology - soil	Adsorbs into the soil.
<b>FLOROL (63500-71-0)</b>	
Ecology - soil	No (test)data on mobility of the substance available.

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<b>DIHYDRO MYRCENOL (18479-58-8)</b>	
Ecology - soil	No (test) data on mobility of the substance available.
<b>DIPROPYLENE GLYCOL (110-98-5)</b>	
Surface tension	71.4 mN/m (22 °C, 1.01 g/l)
Log Koc	0.78 (log Koc, Calculated value)
Ecology - soil	Low potential for adsorption in soil.

### 12.5. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

## SECTION 14: Transport information

### Department of Transportation (DOT)

In accordance with DOT

Not regulated

### Transportation of Dangerous Goods

Not applicable

### Transport by sea

Not applicable

### Air transport

Not applicable

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

This product or mixture is not known to contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

### 15.2. International regulations

#### CANADA

##### d-Limonene (5989-27-5)

Listed on the Canadian DSL (Domestic Substances List)

##### l-Limonene (5989-54-8)

Listed on the Canadian DSL (Domestic Substances List)



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### D-LIMONENE (5989-27-5)

Listed on the Canadian DSL (Domestic Substances List)

### LINALYL ACETATE (115-95-7)

Listed on the Canadian DSL (Domestic Substances List)

### delta-3-Carene (13466-78-9)

Listed on the Canadian DSL (Domestic Substances List)

### FLOROL (63500-71-0)

Listed on the Canadian DSL (Domestic Substances List)

### CEDRAMBER (19870-74-7)

Listed on the Canadian DSL (Domestic Substances List)

### DIHYDRO MYRCENOL (18479-58-8)

Listed on the Canadian DSL (Domestic Substances List)

### DIPROPYLENE GLYCOL (110-98-5)

Listed on the Canadian DSL (Domestic Substances List)

### ETHYL LINALOOL (10339-55-6)

Listed on the Canadian DSL (Domestic Substances List)

### ISO E SUPER (54464-57-2)

Listed on the Canadian DSL (Domestic Substances List)

### EU-Regulations

No additional information available

### National regulations

No additional information available

## SECTION 16: Other information

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Full text of H-phrases:

H226	Flammable liquid and vapour
H227	Combustible liquid
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
H332	Harmful if inhaled

The information and recommendations contained herein are based on current available data and knowledge and are believed to be accurate and given in good faith. Voyageur Soap & Candle Co. LTD and its subsidiaries however assume no liability and make no warranty, either express or implied, pertaining to the accuracy or completeness of the information contained herein including in regards to fitness and merchantability. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release, and therefore should not be construed as guaranteeing any specific property of the product. This information relates only to the specific designated material and may not be valid for such material used in combination with any other material or process not specified in the text. Final determination of suitability of any material is the sole responsibility of the user. Users should therefore consider this data only as a supplement to other information available from all other sources, and should incorporate this information into programs for the proper use and disposal of their materials and the health and safety of employees and customers.