



Rustic Lodge #15465F

Safety Data Sheet

This Safety Data Sheet has been prepared in accordance with the New Zealand Hazardous Substances (Safety Data Sheets) Notice 2017 under the Hazardous Substances and New Organisms Act (1996)
Date of issue: 29/05/2020 Revision date: 18/12/2020 Supersedes: V 1.0
Version: 2.0

SECTION 1: Identification of the hazardous chemical and of the supplier

1.1 Product identifier

Trade name : Rustic Lodge #15465F
Product form : Mixture
Type of product : Perfumes, fragrances
Product code : 15465F

1.2 Other means of identification

No additional information available

1.3 Relevant identified uses of the substance or mixture and uses advised against

Recommended use : Perfumes, fragrances

1.4 Supplier's details

CANDLE CREATIONS
34B WILLIAM PICKERING DRIVE
ROSEDALE, AUCKLAND, 0632
NEW ZEALAND
T 09-448-1920

info@candlecreations.co.nz – www.candlecreations.co.nz

1.5 Emergency phone number

Emergency number : NZ NATIONAL POISONS CENTRE – 0800 POISON (0800-764-766)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

6.3A Flammable liquids Not classified
8.3A 6.1 E Acute toxicity (oral), Category 5
6.5B Skin corrosion/irritation, Category 2
6.8 B Serious eye damage/eye irritation, Category 1
6.9 B Skin sensitisation, Category 1
9.1D Reproductive toxicity, Category 2
9.1B Specific target organ toxicity — Single exposure, Category 2
9.3C Hazardous to the aquatic environment — Acute Hazard, Category 2
Ecotoxicity to the aquatic environment — Chronic Hazard, Category 2
Ecotoxicity to terrestrial vertebrates C

2.2 Label elements

GHS NZ labelling

Hazard pictograms (GHS NZ)



Signal word (GHS NZ)

: Danger

Contains

: Rosemary Oil (1.86 – 7.86 %) ; Cinnamic aldehyde (1.395 – 5.895 %) ; Eugenol (1.395 – 5.895 %) ; Cedar leaf oil (1.395 – 5.895 %) ; Butylphenyl methylpropional (0.93 – 3.93 %) ; Verdox (0.93 – 3.93 %) ; Ethyl vanillin crystals (0.93 – 3.93 %) ; Iso E Super (0.93 – 3.93 %) ; Amyl cinnamic aldehyde (0.93 – 3.93 %) ; Dihydromyrcenol (0.93 – 3.93 %) ; Benzyl benzoate (0.6975 – 2.9475 %) ; Coumarin crystals (0.31 – 1.31 %) ; d-Limonene (0.31 – 1.31 %) ; Citral (0.1 – 1 %) ; Hexyl cinnamic aldehyde (0.1 – 1 %) ; Hydroxy (0.1 – 1 %) ; Helional (0.1 – 1 %) ; Linalyl acetate (0.1 – 1 %) ; Cinnamon leaf oil (0.1 – 1 %) ; Triplal (Vertocitral) (0.1 – 1 %) ; Aldehyde C-16 (0.1 – 1 %)

Hazard statements (GHS NZ)

: H303 - May be harmful if swallowed
H315 - Causes skin irritation.
H317 - May cause an allergic skin reaction.
H318 - Causes serious eye damage.
H361 - Suspected of damaging fertility or the unborn child.
H371 - May cause damage to organs.
H401 - Toxic to aquatic life
H411 - Toxic to aquatic life with long lasting effects.
H433 - Harmful to terrestrial vertebrates

Prevention

: P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.

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P260 - Do not breathe dust/fume/gas/mist/vapours/spray.
P264 - Wash hands thoroughly after handling
P270 - Do not eat, drink or smoke when using this product.

Response

: P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.

2.3. Other hazards not contributing to the classification

No additional information available

SECTION 3: Composition and information of the ingredients of the hazardous chemical

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to GHS NZ
Isobornyl acetate	(CAS-No.) 125-12-2	4.65 – 19.65	3.1D: Flam. Liq. 4, H227 Acute Tox. Not classified (Oral) Acute Tox. Not classified (Dermal) Aquatic Acute Not classified
Rosemary Oil	(CAS-No.) 8000-25-7	1.86 – 7.86	3.1C: Flam. Liq. 3, H226 6.1E: Acute Tox. 5 (Oral), H303 6.3A: Skin Irrit. 2, H315 8.3A: Eye Dam. 1, H318 6.5B: Skin Sens. 1, H317 6.9B: STOT SE 2, H371 6.1E: Asp. Tox. 1, H304 9.1A: Aquatic Acute 1, H400 9.1A: Aquatic Chronic 1, H410
Cinnamic aldehyde	(CAS-No.) 104-55-2	1.395 – 5.895	9.3C: Ecotoxicity to terrestrial vertebrates C, H433 Flam. Liq. Not classified 6.1E: Acute Tox. 5 (Oral), H303 6.1D: Acute Tox. 4 (Dermal), H312 6.3A: Skin Irrit. 2, H315 6.4A: Eye Irrit. 2, H319 6.5B: Skin Sens. 1, H317
Eugenol	(CAS-No.) 97-53-0	1.395 – 5.895	9.3C: Ecotoxicity to terrestrial vertebrates C, H433 Flam. Liq. Not classified 6.1D: Acute Tox. 4 (Oral), H302 6.4A: Eye Irrit. 2, H319 6.5B: Skin Sens. 1, H317 9.1D: Aquatic Acute 3, H402
Cedar leaf oil	(CAS-No.) 8007-20-3	1.395 – 5.895	3.1C: Flam. Liq. 3, H226 6.1D: Acute Tox. 4 (Oral), H302 6.5B: Skin Sens. 1, H317 9.1B: Aquatic Chronic 2, H411 9.3C: Ecotoxicity to terrestrial vertebrates C, H433
Butylphenyl methylpropional	(CAS-No.) 80-54-6	0.93 – 3.93	9.3C: Ecotoxicity to terrestrial vertebrates C, H433 3.1D: Flam. Liq. 4, H227 6.1D: Acute Tox. 4 (Oral), H302 Acute Tox. Not classified (Dermal) 6.3A: Skin Irrit. 2, H315 6.5B: Skin Sens. 1, H317 6.8B: Repr. 2, H361 9.1D: Aquatic Acute 2, H401 9.1B: Aquatic Chronic 2, H411
Verdorex	(CAS-No.) 88-41-5	0.93 – 3.93	3.1D: Flam. Liq. 4, H227 6.1E: Acute Tox. 5 (Oral), H303 9.1B: Aquatic Chronic 2, H411
Ethyl vanillin crystals	(CAS-No.) 121-32-4	0.93 – 3.93	9.3C: Ecotoxicity to terrestrial vertebrates C, H433 6.1D: Acute Tox. 4 (Oral), H302 6.4A: Eye Irrit. 2, H319 9.1D: Aquatic Acute 3, H402
Iso E Super	(CAS-No.) 54464-57-2	0.93 – 3.93	Flam. Liq. Not classified 6.5B: Skin Sens. 1, H317 9.1B: Aquatic Chronic 2, H411
Amyl cinnamic aldehyde	(CAS-No.) 122-40-7	0.93 – 3.93	Flam. Liq. Not classified 6.1E: Acute Tox. 5 (Oral), H303 6.5B: Skin Sens. 1, H317 9.1B: Aquatic Chronic 2, H411
Dihydromyrcenol	(CAS-No.) 18479-58-8	0.93 – 3.93	3.1D: Flam. Liq. 4, H227 6.1E: Acute Tox. 5 (Oral), H303 Acute Tox. Not classified (Dermal) 6.3A: Skin Irrit. 2, H315 6.4A: Eye Irrit. 2, H319
Hexamethylindanopyran	(CAS-No.) 1222-05-5	0.6975 – 2.9475	Flam. Liq. Not classified 9.1A: Aquatic Acute 1, H400 9.1A: Aquatic Chronic 1, H410

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Name	Product identifier	%	Classification according to GHS NZ
Benzyl benzoate	(CAS-No.) 120-51-4	0.6975 – 2.9475	9.3B: Ecotoxicity to terrestrial vertebrates B, H432 Flam. Liq. Not classified 6.1D: Acute Tox. 4 (Oral), H302 6.1E: Acute Tox. 5 (Dermal), H313 9.1D: Aquatic Acute 2, H401 9.1B: Aquatic Chronic 2, H411
Coumarin crystals	(CAS-No.) 91-64-5	0.31 – 1.31	6.1C: Acute Tox. 3 (Oral), H301 6.1C: Acute Tox. 3 (Dermal), H311 6.5B: Skin Sens. 1, H317 9.1B: Aquatic Chronic 2, H411
d-Limonene	(CAS-No.) 5989-27-5	0.31 – 1.31	3.1C: Flam. Liq. 3, H226 6.1E: Acute Tox. 5 (Oral), H303 Acute Tox. Not classified (Dermal) 6.3A: Skin Irrit. 2, H315 6.5B: Skin Sens. 1, H317 6.1E: Asp. Tox. 1, H304 9.1A: Aquatic Acute 1, H400 9.1A: Aquatic Chronic 1, H410
Triplal (Vertocitral)	(CAS-No.) 68039-49-6	0.1 – 1	3.1D: Flam. Liq. 4, H227 6.3A: Skin Irrit. 2, H315 6.4A: Eye Irrit. 2, H319 6.5B: Skin Sens. 1, H317 9.1C: Aquatic Chronic 3, H412
Aldehyde C-16	(CAS-No.) 77-83-8	0.1 – 1	Flam. Liq. Not classified Acute Tox. Not classified (Oral) 6.5B: Skin Sens. 1, H317 9.1D: Aquatic Acute 2, H401 9.1B: Aquatic Chronic 2, H411
Hydratropic aldehyde dimethyl acetal	(CAS-No.) 90-87-9	0.1 – 1	9.3C: Ecotoxicity to terrestrial vertebrates C, H433 3.1D: Flam. Liq. 4, H227 6.1D: Acute Tox. 4 (Oral), H302
Hydroxy	(CAS-No.) 107-75-5	0.1 – 1	Flam. Liq. Not classified Acute Tox. Not classified (Oral) 6.4A: Eye Irrit. 2, H319 6.5B: Skin Sens. 1, H317
Helional	(CAS-No.) 1205-17-0	0.1 – 1	3.1D: Flam. Liq. 4, H227 6.5B: Skin Sens. 1, H317 9.1C: Aquatic Chronic 3, H412
Linalyl acetate	(CAS-No.) 115-95-7	0.1 – 1	3.1D: Flam. Liq. 4, H227 Acute Tox. Not classified (Oral) Acute Tox. Not classified (Dermal) 6.3A: Skin Irrit. 2, H315 6.4A: Eye Irrit. 2, H319 6.5B: Skin Sens. 1, H317 9.1D: Aquatic Acute 3, H402
Cinnamon leaf oil	(CAS-No.) 8015-91-6	0.1 – 1	3.1D: Flam. Liq. 4, H227 6.1E: Acute Tox. 5 (Oral), H303 6.4A: Eye Irrit. 2, H319 6.5B: Skin Sens. 1, H317 6.6B: Muta. 2, H341 9.1C: Aquatic Chronic 3, H412
Benzyl acetate	(CAS-No.) 140-11-4	0.1 – 1	3.1D: Flam. Liq. 4, H227 6.1E: Acute Tox. 5 (Oral), H303 Acute Tox. Not classified (Dermal) 9.1C: Aquatic Chronic 3, H412
Hexyl cinnamic aldehyde	(CAS-No.) 101-86-0	0.1 – 1	Flam. Liq. Not classified 6.1E: Acute Tox. 5 (Oral), H303 Acute Tox. Not classified (Inhalation:dust,mist) 6.5B: Skin Sens. 1, H317 9.1B: Aquatic Chronic 2, H411
Camphene	(CAS-No.) 79-92-5	0.1 – 1	4.1.1B: Flam. Sol. 2, H228 6.4A: Eye Irrit. 2, H319 9.1A: Aquatic Chronic 1, H410
Citral	(CAS-No.) 5392-40-5	0.1 – 1	3.1D: Flam. Liq. 4, H227 6.1E: Acute Tox. 5 (Oral), H303 6.1E: Acute Tox. 5 (Dermal), H313 6.3A: Skin Irrit. 2, H315 6.4A: Eye Irrit. 2, H319 6.5B: Skin Sens. 1, H317 9.1D: Aquatic Acute 2, H401
Aldehyde C-12 MNA	(CAS-No.) 110-41-8	0.1 – 1	3.1D: Flam. Liq. 4, H227 Acute Tox. Not classified (Oral) 6.3A: Skin Irrit. 2, H315 9.1A: Aquatic Acute 1, H400 9.1A: Aquatic Chronic 1, H410

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Name	Product identifier	%	Classification according to GHS NZ
Aldehyde C-14	(CAS-No.) 104-67-6	0.1 – 1	Flam. Liq. Not classified Acute Tox. Not classified (Oral) 9.1D: Aquatic Acute 2, H401 9.1C: Aquatic Chronic 3, H412
Oxypheylon (Raspberry ketone) crystals	(CAS-No.) 5471-51-2	0.1 – 1	9.3C: Ecotoxicity to terrestrial vertebrates C, H433 6.1D: Acute Tox. 4 (Oral), H302

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible). IF exposed or concerned: Get medical advice/attention.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Allow affected person to breathe fresh air. Allow the victim to rest.
First-aid measures after skin contact	: Wash with plenty of water/.... If skin irritation or rash occurs: Get immediate medical advice/attention. Get medical advice/attention. Specific treatment (see supplemental first aid instruction on this label). Wash contaminated clothing before reuse. Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. If skin irritation occurs: Get medical advice/attention. 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 immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists. 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	: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention. Call a poison center or a doctor if you feel unwell.

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

Symptoms/effects	: Not expected to present a significant hazard under anticipated conditions of normal use.
Symptoms/effects after inhalation	: May cause an allergic skin reaction.
Symptoms/effects after skin contact	: Irritation. May cause an allergic skin reaction.
Symptoms/effects after eye contact	: Eye irritation.

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

Other medical advice or treatment	: Treat symptomatically.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Sand. Water spray. Dry powder. Foam. Carbon dioxide.
Unsuitable extinguishing media	: Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Fire hazard	: Combustible liquid.
Explosion hazard	: May form flammable/explosive vapour-air mixture.
General measures	: Remove ignition sources. Use special care to avoid static electric charges. No open flames. No smoking.

5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions	: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection. Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
EAC code	: •3Z -•3Z

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Remove ignition sources. Use special care to avoid static electric charges. No open flames. No smoking.
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6.1.1. For non-emergency personnel

Emergency procedures	: Ventilate spillage area. Evacuate unnecessary personnel. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray.
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6.1.2. For emergency responders

Protective equipment	: Do not attempt to take action without suitable protective equipment. Equip cleanup crew with proper protection. For further information refer to section 8: "Exposure controls/personal protection".
Emergency procedures	: Ventilate area.

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6.2. Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

For containment : Collect spillage.

Methods for cleaning up : Take up liquid spill into absorbent material. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials. Notify authorities if product enters sewers or public waters.

SECTION 7: Handling and storage, including how the chemical may be safely used

7.1. Precautions for safe handling

Additional hazards when processed : Handle empty containers with care because residual vapours are flammable. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Precautions for safe handling : Ensure good ventilation of the work station. No open flames. No smoking. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear personal protective equipment. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray.

Hygiene measures : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Contaminated work clothing should not be allowed out of the workplace.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Proper grounding procedures to avoid static electricity should be followed.

Storage conditions : Keep in fireproof place. Keep only in the original container in a cool, well ventilated place away from : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container closed when not in use. Store locked up. Store in a well-ventilated place. Keep cool.

Incompatible products : Strong bases. Strong acids.

Incompatible materials : Heat sources. Sources of ignition. Direct sunlight.

Storage temperature : 25 °C

Storage area : Store in a well-ventilated place. Store away from heat.

Special rules on packaging : Store in a closed container.

Packaging materials : Do not store in corrodable metal.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

d-Limonene (5989-27-5)	
Germany - Occupational Exposure Limits (TRGS 900)	
Occupational exposure limit value (mg/m ³)	28 mg/m ³ (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
Occupational exposure limit value (ppm)	5 ppm (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
Chemical category	Skin notation, Skin sensitization
Citral (5392-40-5)	
USA - ACGIH - Occupational Exposure Limits	
ACGIH TWA (ppm)	5 ppm (inhalable fraction and vapor)
ACGIH chemical category	dermal sensitizer, Skin - potential significant contribution to overall exposure by the cutaneous route, Not Classifiable as a Human Carcinogen
Benzyl acetate (140-11-4)	
Malaysia - Occupational Exposure Limits	
PEL TWA (mg/m ³)	61 mg/m ³
PEL TWA (ppm)	10 ppm
China - Occupational Exposure Limits	
Catalogue of Occupational Hazard Factors	Category 3 - Chemicals
USA - ACGIH - Occupational Exposure Limits	
ACGIH TWA (ppm)	10 ppm
ACGIH chemical category	Not Classifiable as a Human Carcinogen
Hydroxy (107-75-5)	
China - Occupational Exposure Limits	
Catalogue of Occupational Hazard Factors	Category 3 - Chemicals

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Exposure limit values for the other components

No additional information available

8.2. Monitoring

No additional information available

8.3. Appropriate engineering controls

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

8.4. Individual protection measures, such as personal protective equipment (PPE)

Hand protection : Wear protective gloves.

Eye protection : Chemical goggles or safety glasses. Safety glasses

Skin and body protection : Wear suitable protective clothing

Respiratory protection : Wear appropriate mask. [In case of inadequate ventilation] wear respiratory protection.

Personal protective equipment symbol(s)



Environmental exposure controls : Avoid release to the environment.

SECTION 9: Physical and chemical properties

Physical state : Liquid

Appearance : No data available

Colour : lightyellow,amber

Odour : characteristic

Odour threshold : No data available

pH : No data available

Evaporation rate : No data available

Relative evaporation rate (butylacetate=1) : No data available

Melting point / Freezing point : Melting point : Not applicable

Boiling point : No data available

Flash point : $\geq 75.8^{\circ}\text{C}$ (closed cup) ASTM D7094

Auto-ignition temperature : No data available

Flammability (solid, gas) : Combustible liquid, Non flammable.

Vapour pressure : No data available

Relative density : No data available

Density : No data available

Solubility : No data available

Partition coefficient n-octanol/water (Log Pow) : No data available

Viscosity, kinematic : No data available

Viscosity, dynamic : No data available

Explosive properties : No data available

Explosive limits : No data available

Minimum ignition energy : No data available

SECTION 10: Stability and reactivity

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

Chemical stability : Combustible liquid. May form flammable/explosive vapour-air mixture. Not established.

Possibility of hazardous reactions : Not established.

Conditions to avoid : Open flame. Overheating. Direct sunlight. Heat. Sparks. Extremely high or low temperatures.

Incompatible materials : Strong acids. Strong bases.

Hazardous decomposition products : May release flammable gases. fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : May be harmful if swallowed.

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Acute toxicity (dermal) : Not classified

Acute toxicity (inhalation) : Not classified

ATE NZ (oral)	3120.859 mg/kg bodyweight
Isobornyl acetate (125-12-2)	
LD50 oral rat	9050 mg/kg
LD50 dermal rabbit	> 20000 mg/kg
Rosemary Oil (8000-25-7)	
LD50 oral rat	5 g/kg
Cedar leaf oil (8007-20-3)	
LD50 oral rat	830 mg/kg
Eugenol (97-53-0)	
LD50 oral rat	1930 mg/kg
LD50 oral	2500 mg/kg bodyweight
Cinnamic aldehyde (104-55-2)	
LD50 oral rat	2220 mg/kg
LD50 oral	2500 mg/kg bodyweight
LD50 dermal rabbit	1260 mg/kg
LD50 dermal	1100 mg/kg bodyweight
Dihydromyrcenol (18479-58-8)	
LD50 oral rat	3600 mg/kg
LD50 oral	3600 mg/kg bodyweight
LD50 dermal rabbit	> 5 g/kg
Amyl cinnamic aldehyde (122-40-7)	
LD50 oral rat	3730 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
Ethyl vanillin crystals (121-32-4)	
LD50 oral rat	1590 mg/kg
LD50 oral	3000 mg/kg bodyweight
Verdox (88-41-5)	
LD50 oral rat	4600 mg/kg
LD50 oral	4600 mg/kg bodyweight
Butylphenyl methylpropional (80-54-6)	
LD50 oral rat	1390 mg/kg
LD50 oral	1390 mg/kg bodyweight
LD50 dermal rabbit	> 5000 mg/kg
LC50 Inhalation - Rat	> 1802 mg/m ³ (Exposure time: 4 h)
Benzyl benzoate (120-51-4)	
LD50 oral rat	500 mg/kg
LD50 oral	1500 mg/kg bodyweight
LD50 dermal rabbit	4000 mg/kg
LD50 dermal	4000 mg/kg bodyweight
Hexamethylindanopyran (1222-05-5)	
LD50 oral rat	> 3250 mg/kg
LD50 dermal rabbit	> 3250 mg/kg
d-Limonene (5989-27-5)	
LD50 oral rat	4400 mg/kg
LD50 dermal rabbit	> 5 g/kg
Coumarin crystals (91-64-5)	
LD50 oral rat	> 5000 mg/kg
LD50 oral	500 mg/kg bodyweight
LD50 dermal rat	> 2000 mg/kg
Oxypheylon (Raspberry ketone) crystals (5471-51-2)	
LD50 oral rat	1320 mg/kg
Aldehyde C-14 (104-67-6)	
LD50 oral rat	18500 mg/kg
Aldehyde C-12 MNA (110-41-8)	
LD50 oral rat	> 5 g/kg

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Citral (5392-40-5)	
LD50 oral rat	4960 mg/kg
LD50 dermal rabbit	2250 mg/kg
LD50 dermal	2250 mg/kg bodyweight
Camphene (79-92-5)	
LD50 oral rat	5600 mg/kg
LD50 dermal rabbit	> 5000 mg/kg
Hexyl cinnamic aldehyde (101-86-0)	
LD50 oral rat	3100 mg/kg
LD50 oral	3100 mg/kg bodyweight
LD50 dermal rabbit	> 3000 mg/kg
LC50 Inhalation - Rat	> 5 mg/l/4h
Benzyl acetate (140-11-4)	
LD50 oral rat	2490 mg/kg
LD50 oral	2490 mg/kg bodyweight
LD50 dermal rabbit	> 5000 mg/kg
Cinnamon leaf oil (8015-91-6)	
LD50 oral rat	2650 mg/kg
LD50 oral	2650 mg/kg bodyweight
Linalyl acetate (115-95-7)	
LD50 oral rat	14550 mg/kg
LD50 dermal rabbit	> 5000 mg/kg
Hydroxy (107-75-5)	
LD50 oral rat	> 5 g/kg
Hydratropic aldehyde dimethyl acetal (90-87-9)	
LD50 oral rat	1850 mg/kg
LD50 oral	1850 mg/kg bodyweight
Aldehyde C-16 (77-83-8)	
LD50 oral rat	5470 mg/kg
Triplal (Vertocitral) (68039-49-6)	
LD50 oral	3900 mg/kg bodyweight

Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye damage.
Respiratory or skin sensitisation	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Suspected of damaging fertility or the unborn child.
STOT-single exposure	: May cause damage to organs.
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

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Viscosity, kinematic	

Potential adverse human health effects and symptoms : Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: Toxic to aquatic life with long lasting effects.
Hazardous to the aquatic environment, short-term (acute)	: Toxic to aquatic life.
Hazardous to the aquatic environment, long-term (chronic)	: Toxic to aquatic life with long lasting effects.
Soil toxicity	: Not classified
Terrestrial vertebrate toxicity	: Harmful to terrestrial vertebrates.
Terrestrial invertebrate toxicity	: Not classified
Other information	: Avoid release to the environment.

Isobornyl acetate (125-12-2)	
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Isobornyl acetate (125-12-2)	
Partition coefficient n-octanol/water (Log Pow)	3.5
LD50 dermal rabbit	> 20000 mg/kg
LD50 oral rat	9050 mg/kg
Rosemary Oil (8000-25-7)	
LD50 oral rat	5 g/kg
Cedar leaf oil (8007-20-3)	
LD50 oral rat	830 mg/kg
Eugenol (97-53-0)	
LC50 fish 1	13 mg/l (Exposure time: 96 h - Species: Danio rerio [semi-static])
LD50 oral rat	1930 mg/kg
Cinnamic aldehyde (104-55-2)	
Partition coefficient n-octanol/water (Log Pow)	2.22 (at 18 °C)
LD50 dermal rabbit	1260 mg/kg
LD50 oral rat	2220 mg/kg
Dihydromyrcenol (18479-58-8)	
LD50 dermal rabbit	> 5 g/kg
LD50 oral rat	3600 mg/kg
Amyl cinnamic aldehyde (122-40-7)	
LD50 dermal rabbit	> 2000 mg/kg
LD50 oral rat	3730 mg/kg
Ethyl vanillin crystals (121-32-4)	
LC50 fish 1	81.4 – 94.3 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
LD50 oral rat	1590 mg/kg
Verdox (88-41-5)	
LD50 oral rat	4600 mg/kg
Butylphenyl methylpropional (80-54-6)	
LC50 fish 1	2.2 – 4.6 mg/l (Exposure time: 96 h - Species: Brachydanio rerio [static])
EC50 Daphnia 1	10.7 mg/l (Exposure time: 48 h - Species: Daphnia magna)
Partition coefficient n-octanol/water (Log Pow)	4.2 (at 24 °C)
LD50 dermal rabbit	> 5000 mg/kg
LD50 oral rat	1390 mg/kg
Benzyl benzoate (120-51-4)	
LC50 fish 1	2.32 mg/l (Exposure time: 96 h - Species: Danio rerio [semi-static])
NOEC (chronic)	0.168 mg/l
Partition coefficient n-octanol/water (Log Pow)	4
LD50 dermal rabbit	4000 mg/kg
LD50 oral rat	500 mg/kg
Hexamethylindanopyran (1222-05-5)	
LC50 fish 1	0.452 mg/l Wolf, 1996d-27682
LC50 other aquatic organisms 1	> 0.14 mg/l REACH DOSSIER Pimephales promelas
EC50 Daphnia 2	260 µg/l REACH Dossier
EC50 other aquatic organisms 1	0.131 mg/l REACH Dossier
LD50 dermal rabbit	> 3250 mg/kg
LD50 oral rat	> 3250 mg/kg
d-Limonene (5989-27-5)	
LC50 fish 1	0.619 – 0.796 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
LC50 fish 2	35 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)
LD50 dermal rabbit	> 5 g/kg
LD50 oral rat	4400 mg/kg
Coumarin crystals (91-64-5)	
	> 2000 mg/kg
LD50 oral rat	> 5000 mg/kg
Oxypheylon (Raspberry ketone) crystals (5471-51-2)	
LD50 oral rat	1320 mg/kg
Aldehyde C-14 (104-67-6)	
LC50 fish 1	569 mg/l 96 h
EC50 Daphnia 1	5.85 mg/l 48 h
EC50 other aquatic organisms 1	5.94 mg/l 72 h

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Aldehyde C-14 (104-67-6)	
LD50 oral rat	18500 mg/kg
Aldehyde C-12 MNA (110-41-8)	
LC50 fish 1	0.35 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [semi-static])
LD50 oral rat	> 5 g/kg
Citral (5392-40-5)	
EC50 Daphnia 1	7 mg/l (Exposure time: 48 h - Species: Daphnia magna)
EC50 72h algae (1)	16 mg/l (Species: Desmodesmus subspicatus)
Partition coefficient n-octanol/water (Log Pow)	2.76 (at 25 °C)
LD50 dermal rabbit	2250 mg/kg
LD50 oral rat	4960 mg/kg
Camphene (79-92-5)	
LC50 fish 1	0.72 mg/l (Exposure time: 96 h - Species: Brachydanio rerio [flow-through])
LC50 fish 2	150 mg/l (Exposure time: 96 h - Species: Brachydanio rerio [static])
EC50 Daphnia 1	22 mg/l (Exposure time: 48 h - Species: Daphnia magna)
EC50 72h algae (1)	> 1000 mg/l (Species: Desmodesmus subspicatus)
LD50 dermal rabbit	> 5000 mg/kg
LD50 oral rat	5600 mg/kg
Hexyl cinnamic aldehyde (101-86-0)	
LD50 dermal rabbit	> 3000 mg/kg
LD50 oral rat	3100 mg/kg
Benzyl acetate (140-11-4)	
Partition coefficient n-octanol/water (Log Pow)	1.96
LD50 dermal rabbit	> 5000 mg/kg
LD50 oral rat	2490 mg/kg
Cinnamon leaf oil (8015-91-6)	
LD50 oral rat	2650 mg/kg
Linalyl acetate (115-95-7)	
LC50 fish 1	11 mg/l (Exposure time: 96 h - Species: Cyprinus carpio [flow-through])
LD50 dermal rabbit	> 5000 mg/kg
LD50 oral rat	14550 mg/kg
Hydroxy (107-75-5)	
LD50 oral rat	> 5 g/kg
Hydratropic aldehyde dimethyl acetal (90-87-9)	
LD50 oral rat	1850 mg/kg
Aldehyde C-16 (77-83-8)	
LC50 fish 1	4.2 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [semi-static])
LD50 oral rat	5470 mg/kg

12.2. Persistence and degradability

Rustic Lodge #15465F	
Persistence and degradability	Not established.
Benzyl benzoate (120-51-4)	
Persistence and degradability	May cause long-term adverse effects in the environment.

12.3. Bioaccumulative potential

Rustic Lodge #15465F	
Bioaccumulative potential	Not established.
Isobornyl acetate (125-12-2)	
Partition coefficient n-octanol/water (Log Pow)	See section 12.1 on ecotoxicology
Cinnamic aldehyde (104-55-2)	
Partition coefficient n-octanol/water (Log Pow)	See section 12.1 on ecotoxicology
Butylphenyl methylpropional (80-54-6)	
Partition coefficient n-octanol/water (Log Pow)	See section 12.1 on ecotoxicology
Benzyl benzoate (120-51-4)	
Partition coefficient n-octanol/water (Log Pow)	See section 12.1 on ecotoxicology
Bioaccumulative potential	Not established.
Citral (5392-40-5)	
Partition coefficient n-octanol/water (Log Pow)	See section 12.1 on ecotoxicology

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Benzyl acetate (140-11-4)	
Partition coefficient n-octanol/water (Log Pow)	See section 12.1 on ecotoxicology

12.4. Mobility in soil

Rustic Lodge #15465F	
Mobility in soil	No additional information available
Isobornyl acetate (125-12-2)	
Partition coefficient n-octanol/water (Log Pow)	See section 12.1 on ecotoxicology
Cinnamic aldehyde (104-55-2)	
Partition coefficient n-octanol/water (Log Pow)	See section 12.1 on ecotoxicology
Butylphenyl methylpropional (80-54-6)	
Partition coefficient n-octanol/water (Log Pow)	See section 12.1 on ecotoxicology
Benzyl benzoate (120-51-4)	
Partition coefficient n-octanol/water (Log Pow)	See section 12.1 on ecotoxicology
Citral (5392-40-5)	
Partition coefficient n-octanol/water (Log Pow)	See section 12.1 on ecotoxicology
Benzyl acetate (140-11-4)	
Partition coefficient n-octanol/water (Log Pow)	See section 12.1 on ecotoxicology

12.5. Other adverse effects

Ozone	: Not classified
Other adverse effects	: No additional information available

SECTION 13: Disposal considerations

Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Product/Packaging disposal recommendations	: Dispose of contents/container in accordance with local/national laws and regulations. Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials	: Avoid release to the environment.
Additional information	: Handle empty containers with care because residual vapours are flammable.

SECTION 14: Transport information

14.1. UN number

UN-No.(UN RTDG)	: Not applicable
UN-No. (IMDG)	: 3082
UN-No. (IATA)	: 3082

14.2. Proper Shipping Name

Proper Shipping Name (UN RTDG)	: Not applicable
Proper Shipping Name (IMDG)	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (HEXAMETHYLINDANOPYRAN)
Proper Shipping Name (IATA)	: Environmentally hazardous substance, liquid, n.o.s. (HEXAMETHYLINDANOPYRAN)

14.3. Transport hazard class(es)

UN RTDG

Transport hazard class(es) (UN RTDG)	: Not applicable
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IMDG

Transport hazard class(es) (IMDG)	: 9
Danger labels (IMDG)	: 9



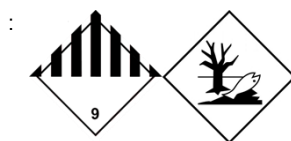
IATA

Transport hazard class(es) (IATA)	: 9
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Danger labels (IATA) : 9



14.4. Packing group

Packing group (UN RTDG) : Not applicable

Packing group (IMDG) : III

Packing group (IATA) : III

14.5. Environmental hazards

Dangerous for the environment : True

Marine pollutant : Yes

Other information : No supplementary information available

14.6. Special precautions for user

UN RTDG

No data available

IMDG

Special provisions (IMDG) : 274, 335, 969

Limited quantities (IMDG) : 5 L

Excepted quantities (IMDG) : E1

Packing instructions (IMDG) : P001, LP01

Special packing provisions (IMDG) : PP1

IBC packing instructions (IMDG) : IBC03

Tank instructions (IMDG) : T4

Tank special provisions (IMDG) : TP2, TP29

EmS-No. (Fire) : F-A - FIRE SCHEDULE Alfa - GENERAL FIRE SCHEDULE

EmS-No. (Spillage) : S-F - SPILLAGE SCHEDULE Foxtrot - WATER-SOLUBLE MARINE POLLUTANTS

Stowage category (IMDG) : A

IATA

PCA Excepted quantities (IATA) : E1

PCA Limited quantities (IATA) : Y964

PCA limited quantity max net quantity (IATA) : 30kgG

PCA packing instructions (IATA) : 964

PCA max net quantity (IATA) : 450L

CAO packing instructions (IATA) : 964

CAO max net quantity (IATA) : 450L

Special provisions (IATA) : A97, A158, A197

ERG code (IATA) : 9L

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

14.8. Hazchem or Emergency Action Code

EAC code : •3Z.

SECTION 15: Regulatory information

15.1. Safety, health, and environmental national regulations specific for the product

Food Additives and Fragrance Materials (Subsidiary Hazard) Group Standard 2017

HSNO Approval Number : HSR002578

Isobornyl acetate (125-12-2)

Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR003572

Rosemary Oil (8000-25-7)

Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR003521

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Eugenol (97-53-0)

Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR003486

Cinnamic aldehyde (104-55-2)

Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR002786

Ethyl vanillin crystals (121-32-4)

Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR004802

Benzyl benzoate (120-51-4)

Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR003504

d-Limonene (5989-27-5)

Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR002725

Coumarin crystals (91-64-5)

Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR003237

Aldehyde C-14 (104-67-6)

Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR003507

Citral (5392-40-5)

Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR002728

Camphene (79-92-5)

Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR001430

Benzyl acetate (140-11-4)

Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR002908

Cinnamon leaf oil (8015-91-6)

Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR002783

Linalyl acetate (115-95-7)

Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR003499

Hydroxy (107-75-5)

Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR003314

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Triplal (Vertocitral) (68039-49-6)

Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR003489

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Issue date : 12/18/2020

Other information : None.

Full text of H-statements:

3.1C: Flam. Liq. 3	3.1C: Flammable liquids, Category 3
3.1D: Flam. Liq. 4	3.1D: Flammable liquids, Category 4
4.1.1B: Flam. Sol. 2	4.1.1B: Flammable solids, Category 2
6.1C: Acute Tox. 3 (Dermal)	6.1C: Acute toxicity (dermal), Category 3
6.1C: Acute Tox. 3 (Oral)	6.1C: Acute toxicity (oral), Category 3
6.1D: Acute Tox. 4 (Dermal)	6.1D: Acute toxicity (dermal), Category 4
6.1D: Acute Tox. 4 (Oral)	6.1D: Acute toxicity (oral), Category 4
6.1E: Acute Tox. 5 (Dermal)	6.1E: Acute toxicity (dermal), Category 5
6.1E: Acute Tox. 5 (Oral)	6.1E: Acute toxicity (oral), Category 5
6.1E: Asp. Tox. 1	6.1E: Aspiration hazard, Category 1
6.3A: Skin Irrit. 2	6.3A: Skin corrosion/irritation, Category 2
6.4A: Eye Irrit. 2	6.4A: Serious eye damage/eye irritation, Category 2
6.5B: Skin Sens. 1	6.5B: Skin sensitisation, Category 1
6.6B: Muta. 2	6.6B: Germ cell mutagenicity, Category 2
6.8B: Repr. 2	6.8B: Reproductive toxicity, Category 2
6.9B: STOT SE 2	6.9B: Specific target organ toxicity — Single exposure, Category 2
8.3A: Eye Dam. 1	8.3A: Serious eye damage/eye irritation, Category 1
9.1A: Aquatic Acute 1	9.1A: Hazardous to the aquatic environment — Acute Hazard, Category 1
9.1A: Aquatic Chronic 1	9.1A: Hazardous to the aquatic environment — Chronic Hazard, Category 1
9.1B: Aquatic Chronic 2	9.1B: Hazardous to the aquatic environment — Chronic Hazard, Category 2
9.1C: Aquatic Chronic 3	9.1C: Hazardous to the aquatic environment — Chronic Hazard, Category 3
9.1D: Aquatic Acute 2	9.1D: Hazardous to the aquatic environment — Acute Hazard, Category 2
9.1D: Aquatic Acute 3	9.1D: Hazardous to the aquatic environment — Acute Hazard, Category 3
9.3B: Ecotoxicity to terrestrial vertebrates B	9.3B: Ecotoxicity to terrestrial vertebrates B
9.3C: Ecotoxicity to terrestrial vertebrates C	9.3C: Ecotoxicity to terrestrial vertebrates C
Acute Tox. Not classified (Dermal)	Acute toxicity (dermal) Not classified
Acute Tox. Not classified (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Not classified
Acute Tox. Not classified (Oral)	Acute toxicity (oral) Not classified
Aquatic Acute Not classified	Hazardous to the aquatic environment - Acute Hazard Not classified
Flam. Liq. Not classified	Flammable liquids Not classified

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H226	Flammable liquid and vapour.
H227	Combustible liquid
H228	Flammable solid.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H303	May be harmful if swallowed
H304	May be fatal if swallowed and enters airways.
H311	Toxic in contact with skin.
H312	Harmful in contact with skin.
H313	May be harmful in contact with skin
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H341	Suspected of causing genetic defects.
H361	Suspected of damaging fertility or the unborn child.
H371	May cause damage to organs.
H400	Very toxic to aquatic life.
H401	Toxic to aquatic life
H402	Harmful 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.
H432	Toxic to terrestrial vertebrates
H433	Harmful to terrestrial vertebrates

CANDLE CREATIONS SDS NEW ZEALAND

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