



Cool Citrus Basil #21407F

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: 08/04/2020 Revision date: 21/10/2020 Supersedes: V 1.0
Version: 2.0

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

1.1 Product identifier

Product name : Cool Citrus Basil #21407F
Product form : Mixture
Type of product : Perfumes, fragrances
Product code : 21407F

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

9.3C	Ecotoxicity to terrestrial vertebrates C
6.3A	Flammable liquids Not classified
6.4A	Skin corrosion/irritation, Category 2
6.5B	Serious eye damage/eye irritation, Category 2
6.7B	Skin sensitisation, Category 1
6.8B	Carcinogenicity, Category 2
9.1C	Reproductive toxicity, Category 2
	Hazardous to the aquatic environment — Chronic Hazard, Category 3

2.2. Label elements

GHS NZ labelling

Hazard pictograms (GHS NZ) :



GHS07

GHS08

Signal word (GHS NZ) :

Warning

Contains :

Orange oil (0.93 – 3.93 %) ; Linalool (0.775 – 3.275 %) ; Nopyl acetate (0.558 – 2.358 %) ; Butylphenyl methylpropional (0.403 – 1.703 %) ; Lemon oil (0.31 – 1.31 %) ; Citronellol Pure (0.31 – 1.31 %) ; White Camphor oil (0.1 – 1 %) ; Iso E Super (0.1 – 1 %) ; Nerol (0.1 – 1 %) ; Hydroxy (0.1 – 1 %) ; Coumarin crystals (0.1 – 1 %) ; Cyclamal (0.1 – 1 %) ; Basil oil (Ocimum basilicum L.) (0.05 – 0.1 %) ; Aldehyde C-12 (0.1 – 1 %)

Hazard statements (GHS NZ) :

H315 - Causes skin irritation.
H317 - May cause an allergic skin reaction.
H319 - Causes serious eye irritation.
H351 - Suspected of causing cancer.
H361 - Suspected of damaging fertility or the unborn child.
H412 - Harmful 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.
P264 - Wash hands thoroughly after handling
P272 - Contaminated work clothing should not be allowed out of the workplace.
P273 - Avoid release to the environment.

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

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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
Dihydromyrcenol	(CAS-No.) 18479-58-8	1.55 – 6.55	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
Orange oil	(CAS-No.) 8008-57-9	0.93 – 3.93	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 9.1B: Aquatic Chronic 2, H411
Linalool	(CAS-No.) 78-70-6	0.775 – 3.275	9.3C: Ecotoxicity to terrestrial vertebrates C, H433 3.1D: Flam. Liq. 4, H227 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 9.1D: Aquatic Acute 3, H402
Hedione	(CAS-No.) 24851-98-7	0.775 – 3.275	Flam. Liq. Not classified Acute Tox. Not classified (Oral) 9.1D: Aquatic Acute 3, H402
Ethyl acetoacetate	(CAS-No.) 141-97-9	0.6975 – 2.9475	3.1D: Flam. Liq. 4, H227 6.1E: Acute Tox. 5 (Oral), H303 Acute Tox. Not classified (Dermal) Aquatic Acute Not classified
Terpinyl acetate	(CAS-No.) 80-26-2	0.62 – 2.62	Flam. Liq. Not classified Acute Tox. Not classified (Oral) Aquatic Acute Not classified 9.1B: Aquatic Chronic 2, H411
Nopyl acetate	(CAS-No.) 128-51-8	0.558 – 2.358	Flam. Liq. Not classified 6.1E: Acute Tox. 5 (Oral), H303 6.4A: Eye Irrit. 2, H319 6.5B: Skin Sens. 1, H317 9.1B: Aquatic Chronic 2, H411
Butylphenyl methylpropional	(CAS-No.) 80-54-6	0.403 – 1.703	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
beta-Ionone	(CAS-No.) 14901-07-6	0.3875 – 1.6375	Flam. Liq. Not classified 6.1E: Acute Tox. 5 (Oral), H303 9.1B: Aquatic Chronic 2, H411
Lemon oil	(CAS-No.) 8008-56-8	0.31 – 1.31	3.1C: Flam. Liq. 3, H226 6.1E: Acute Tox. 5 (Oral), H303 6.3A: Skin Irrit. 2, H315 6.5B: Skin Sens. 1, H317 9.1A: Aquatic Chronic 1, H410
Citronellol Pure	(CAS-No.) 106-22-9	0.31 – 1.31	Flam. Liq. Not classified 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
Leaf alcohol	(CAS-No.) 928-96-1	0.1–1	3.1C: Flam. Liq. 3, H226 6.1E: Acute Tox. 5 (Oral), H303 6.1E: Acute Tox. 5 (Dermal), H313 6.4A: Eye Irrit. 2, H319 Aquatic Acute Not classified
Isoamyl acetate	(CAS-No.) 123-92-2	0.1–1	3.1C: Flam. Liq. 3, H226
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

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Name	Product identifier	%	Classification according to GHS NZ
Nerol	(CAS-No.) 106-25-2	0.1–1	Flam. Liq. Not classified 6.1E: Acute Tox. 5 (Oral), H303 Acute Tox. Not classified (Dermal) 6.3A: Skin Irrit. 2, H315 8.3A: Eye Dam. 1, H318 6.5B: Skin Sens. 1, H317 9.1D: Aquatic Acute 3, H402
White Camphor oil	(CAS-No.) 8008-51-3	0.1–1	3.1C: Flam. Liq. 3, H226 6.1E: Acute Tox. 5 (Oral), H303 6.3A: Skin Irrit. 2, H315 6.5B: Skin Sens. 1, H317 6.1E: Asp. Tox. 1, H304 9.1B: Aquatic Chronic 2, H411
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
Indole crystals	(CAS-No.) 120-72-9	0.1–1	9.3C: Ecotoxicity to terrestrial vertebrates C, H433 Flam. Liq. Not classified 6.1D: Acute Tox. 4 (Oral), H302 6.1C: Acute Tox. 3 (Dermal), H311
Aldehyde C-12	(CAS-No.) 112-54-9	0.1–1	Flam. Liq. Not classified Acute Tox. Not classified (Oral) 6.3A: Skin Irrit. 2, H315 6.4A: Eye Irrit. 2, H319 6.5B: Skin Sens. 1, H317
Coumarin crystals	(CAS-No.) 91-64-5	0.1–1	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
Verdyl acetate	(CAS-No.) 5413-60-5	0.1–1	Flam. Liq. Not classified 9.1C: Aquatic Chronic 3, H412
Cyclamal	(CAS-No.) 103-95-7	0.1–1	3.1D: Flam. Liq. 4, H227 6.1E: Acute Tox. 5 (Oral), H303 6.3A: Skin Irrit. 2, H315 6.5B: Skin Sens. 1, H317 9.1B: Aquatic Chronic 2, H411
cis-3-Hexenyl salicylate	(CAS-No.) 65405-77-8	0.1–1	Flam. Liq. Not classified 6.1E: Acute Tox. 5 (Oral), H303 9.1A: Aquatic Acute 1, H400
Iso E Super	(CAS-No.) 54464-57-2	0.1–1	Flam. Liq. Not classified 6.5B: Skin Sens. 1, H317 9.1B: Aquatic Chronic 2, H411
Basil oil (Ocimum basilicum L.)	(CAS-No.) 8015-73-4	0.05 – 0.1	9.3C: Ecotoxicity to terrestrial vertebrates C, H433 3.1D: Flam. Liq. 4, H227 6.1D: Acute Tox. 4 (Oral), H302 6.5B: Skin Sens. 1, H317 6.6B: Muta. 2, H341 6.7B: Carc. 2, H351 9.1C: Aquatic Chronic 3, H412

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 Wash skin with plenty of water, Call a physician immediately on this label). Wash contaminated clothing before reuse. If skin irritation occurs: Get immediate medical advice/attention. Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. 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. Get medical advice/attention. Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists. 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.

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Symptoms/effects after skin contact	: Causes skin irritation. Irritation. May cause an allergic skin reaction.
Symptoms/effects after eye contact	: Causes serious eye irritation. 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	: Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media	: Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire	: Toxic fumes may be released.
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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

No additional information available

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.

6.2. Environmental precautions

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

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

Precautions for safe handling	: Ensure good ventilation of the work station. 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. Avoid breathing dust, fume, gas, mist, spray, vapours. Avoid contact with skin and eyes. Wear personal protective equipment. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.
Hygiene measures	: Wash hands thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. 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	: 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 in a well-ventilated place. Keep cool. Store locked up.
Incompatible products	: Strong bases. Strong acids.
Incompatible materials	: 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.

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Isoamyl acetate (123-92-2)

New Zealand - Occupational Exposure Limits

TWA (mg/m ³)	532 mg/m ³
TWA (ppm)	100 ppm

Malaysia - Occupational Exposure Limits

PEL TWA (mg/m ³)	532 mg/m ³
PEL TWA (ppm)	100 ppm

Korea - Occupational Exposure Limits

ISHA	Hazardous Substances Subject to Control - Organic Compounds
ISHA TWA (ppm)	50 ppm
ISHA STEL (ppm)	100 ppm

Singapore - Occupational Exposure Limits

OEL PEL (mg/m ³)	532 mg/m ³
OEL PEL (ppm)	100 ppm

Germany - Occupational Exposure Limits (TRGS 900)

Occupational exposure limit value (mg/m ³)	270 mg/m ³
Occupational exposure limit value (ppm)	50 ppm

USA - ACGIH - Occupational Exposure Limits

ACGIH TWA (ppm)	50 ppm (Pentyl acetate, all isomers)
ACGIH STEL (ppm)	100 ppm (Pentyl acetate, all isomers)

Hydroxy (107-75-5)

China - Occupational Exposure Limits

Catalogue of Occupational Hazard Factors	Category 3 - Chemicals
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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
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USA - ACGIH - Occupational Exposure Limits

ACGIH TWA (ppm)	10 ppm
ACGIH chemical category	Not Classifiable as a Human Carcinogen

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.

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SECTION 9: Physical and chemical properties

Physical state	: Liquid
Appearance	: No data available
Colour	: No data available
Odour	: No data available
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	: > 93.33 °C (closed cup) ASTM D7094
Auto-ignition temperature	: No data available
Flammability (solid, gas)	: Non flammable.
Vapour pressure	: No data available
Relative density	: No data available
Density	: Relative density : ≈ 0.9
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	: Not established.
Possibility of hazardous reactions	: Not established.
Conditions to avoid	: Direct sunlight. Extremely high or low temperatures.
Incompatible materials	: Strong acids. Strong bases.
Hazardous decomposition products	: fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

Dihydromyrcenol (18479-58-8)	
LD50 oral rat	3600 mg/kg
LD50 oral	3600 mg/kg bodyweight
LD50 dermal rabbit	> 5 g/kg
Orange oil (8008-57-9)	
LD50 oral rat	4400 mg/kg
LD50 dermal rabbit	> 5000 mg/kg
Hedione (24851-98-7)	
LD50 oral rat	> 5 g/kg
Linalool (78-70-6)	
LD50 oral rat	2790 mg/kg
LD50 oral	2790 mg/kg bodyweight
LD50 dermal rabbit	2000 mg/kg
Ethyl acetoacetate (141-97-9)	
LD50 oral rat	3980 mg/kg
LD50 dermal rabbit	> 5000 mg/kg
Terpinyl acetate (80-26-2)	
LD50 oral rat	5075 mg/kg

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Nopyl acetate (128-51-8)	
LD50 oral rat	3 g/kg
LD50 oral	2940 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 (mg/l)	> 1802 mg/m ³ (Exposure time: 4 h)
beta-Ionone (14901-07-6)	
LD50 oral rat	4590 mg/kg
Citronellol Pure (106-22-9)	
LD50 oral rat	3450 mg/kg
LD50 oral	3450 mg/kg bodyweight
LD50 dermal rabbit	2650 mg/kg
LD50 dermal	2650 mg/kg bodyweight
Lemon oil (8008-56-8)	
LD50 oral rat	2840 mg/kg
White Camphor oil (8008-51-3)	
LD50 oral rat	3730 mg/kg
cis-3-Hexenyl salicylate (65405-77-8)	
LD50 oral rat	5 g/kg
Verdyl acetate (5413-60-5)	
LD50 oral	3050 mg/kg bodyweight
Nerol (106-25-2)	
LD50 oral rat	4500 mg/kg
LD50 oral	4500 mg/kg bodyweight
LD50 dermal rabbit	> 5 g/kg
Cyclamal (103-95-7)	
LD50 oral rat	3810 mg/kg
LD50 oral	3810 mg/kg bodyweight
Coumarin crystals (91-64-5)	
LD50 oral rat	> 5000 mg/kg
LD50 oral	500 mg/kg bodyweight
LD50 dermal rat	> 2000 mg/kg
Hydroxy (107-75-5)	
LD50 oral rat	> 5 g/kg
Benzyl acetate (140-11-4)	
LD50 oral rat	2490 mg/kg
LD50 dermal rabbit	> 5000 mg/kg
Leaf alcohol (928-96-1)	
LD50 oral rat	4700 mg/kg
LD50 dermal rabbit	5000 mg/kg
Aldehyde C-12 (112-54-9)	
LD50 oral rat	23 g/kg
Basil oil (Ocimum basilicum L.) (8015-73-4)	
LD50 oral rat	1400 mg/kg
LD50 oral	1340 mg/kg bodyweight
Indole crystals (120-72-9)	
LD50 oral rat	1 g/kg
LD50 oral	1000 mg/kg bodyweight
LD50 dermal rabbit	790 mg/kg
LD50 dermal	790 mg/kg bodyweight

Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitisation	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Suspected of causing cancer.
Reproductive toxicity	: Suspected of damaging fertility or the unborn child.

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STOT-single exposure	: Not classified
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. Harmful to aquatic life with long lasting effects.
Ecology - water	: Toxic to aquatic life with long lasting effects.
Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Harmful 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.

Dihydromyrcenol (18479-58-8)	
LD50 dermal rabbit	> 5 g/kg
LD50 oral rat	3600 mg/kg
Orange oil (8008-57-9)	
LD50 dermal rabbit	> 5000 mg/kg
LD50 oral rat	4400 mg/kg
Hedione (24851-98-7)	
LC50 fish 1	19 mg/l (Exposure time: 96 h - Species: Oryzias latipes [semi-static])
LD50 oral rat	> 5 g/kg
Linalool (78-70-6)	
LC50 fish 1	27.8 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	20 mg/l (Exposure time: 48 h - Species: Daphnia magna)
Partition coefficient n-octanol/water (Log Pow)	2.84 – 3.1 (at 25 °C)
LD50 dermal rabbit	2000 mg/kg
LD50 oral rat	2790 mg/kg
Ethyl acetoacetate (141-97-9)	
LC50 fish 1	298 mg/l (Exposure time: 96 h - Species: Pimephales promelas)
LC50 fish 2	290 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)
EC50 Daphnia 1	646 mg/l (Exposure time: 48 h - Species: Daphnia magna)
EC50 72h algae (1)	> 500 mg/l (Species: Desmodesmus subspicatus)
Partition coefficient n-octanol/water (Log Pow)	0.27
LD50 dermal rabbit	> 5000 mg/kg
LD50 oral rat	3980 mg/kg
Terpinyl acetate (80-26-2)	
LC50 fish 1	> 11 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
LD50 oral rat	5075 mg/kg
Nopyl acetate (128-51-8)	
LD50 oral rat	3 g/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
beta-Ionone (14901-07-6)	
LD50 oral rat	4590 mg/kg
Citronellol Pure (106-22-9)	
LD50 dermal rabbit	2650 mg/kg
LD50 oral rat	3450 mg/kg

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Lemon oil (8008-56-8)	
LD50 oral rat	2840 mg/kg
White Camphor oil (8008-51-3)	
LD50 oral rat	3730 mg/kg
cis-3-Hexenyl salicylate (65405-77-8)	
LD50 oral rat	5 g/kg
Nerol (106-25-2)	
LC50 fish 1	20.3 mg/l (Exposure time: 96 h - Species: Danio rerio [semi-static])
LD50 dermal rabbit	> 5 g/kg
LD50 oral rat	4500 mg/kg
Cyclamal (103-95-7)	
LD50 oral rat	3810 mg/kg
Coumarin crystals (91-64-5)	
	> 2000 mg/kg
LD50 oral rat	> 5000 mg/kg
Hydroxy (107-75-5)	
LD50 oral rat	> 5 g/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
Leaf alcohol (928-96-1)	
LC50 fish 1	352 – 412 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
LD50 dermal rabbit	5000 mg/kg
LD50 oral rat	4700 mg/kg
Aldehyde C-12 (112-54-9)	
LD50 oral rat	23 g/kg
Basil oil (Ocimum basilicum L.) (8015-73-4)	
LD50 oral rat	1400 mg/kg
Indole crystals (120-72-9)	
LD50 dermal rabbit	790 mg/kg
LD50 oral rat	1 g/kg
12.2. Persistence and degradability	
Cool Citrus Basil #21407F	
Persistence and degradability	May cause long-term adverse effects in the environment. Not established.
12.3. Bioaccumulative potential	
Cool Citrus Basil #21407F	
Bioaccumulative potential	Not established.
Linalool (78-70-6)	
Partition coefficient n-octanol/water (Log Pow)	2.84 – 3.1 (at 25 °C)
Ethyl acetoacetate (141-97-9)	
Partition coefficient n-octanol/water (Log Pow)	0.27
Butylphenyl methylpropional (80-54-6)	
Partition coefficient n-octanol/water (Log Pow)	4.2 (at 24 °C)
Benzyl acetate (140-11-4)	
Partition coefficient n-octanol/water (Log Pow)	1.96
12.4. Mobility in soil	
Cool Citrus Basil #21407F	
Mobility in soil	No additional information available
Linalool (78-70-6)	
Partition coefficient n-octanol/water (Log Pow)	2.84 – 3.1 (at 25 °C)
Ethyl acetoacetate (141-97-9)	
Partition coefficient n-octanol/water (Log Pow)	0.27
Butylphenyl methylpropional (80-54-6)	
Partition coefficient n-octanol/water (Log Pow)	4.2 (at 24 °C)

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Benzyl acetate (140-11-4)

Partition coefficient n-octanol/water (Log Pow) 1.96

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 in a safe manner in accordance with local/national regulations. Dispose of contents/container in accordance with local/national laws and regulations.
Ecology - waste materials : Avoid release to the environment.

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. (d-Limonene)
Proper Shipping Name (IATA) : Environmentally hazardous substance, liquid, n.o.s. (d-Limonene)

14.3. Transport hazard class(es)

UN RTDG

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

IMDG

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



IATA

Transport hazard class(es) (IATA) : 9
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 : False
Marine pollutant : No
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

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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

Orange oil (8008-57-9)

Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR003493

Linalool (78-70-6)

Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR003500

Ethyl acetoacetate (141-97-9)

Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR005690

Citronellol Pure (106-22-9)

Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR003483

Lemon oil (8008-56-8)

Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR003520

Isoamyl acetate (123-92-2)

Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR001171

Coumarin crystals (91-64-5)

Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR003237

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Hydroxy (107-75-5)

Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR003314

Benzyl acetate (140-11-4)

Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR002908

Leaf alcohol (928-96-1)

Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR003488

Aldehyde C-12 (112-54-9)

Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR004048

Indole crystals (120-72-9)

Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR003479

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Issue date : 4/8/2020

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
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
6.7B: Carc. 2	6.7B: Carcinogenicity, Category 2
6.8B: Repr. 2	6.8B: Reproductive toxicity, 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

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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
9.3C: 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 (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
H226	Flammable liquid and vapour.
H227	Combustible liquid
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.
H351	Suspected of causing cancer.
H361	Suspected of damaging fertility or the unborn child.
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.
H433	Harmful to terrestrial vertebrates

CANDLE CREATIONS SDS NEW ZEALAND

The data contained in this Safety Data Sheet is accurate to the best knowledge of Candle Creations applies to the product as supplied by Candle Creations and does not relate to use in combination with any other material or in any process. Data and information are furnished without warranty expressed or implied, nor does Candle Creations assume responsibility for use or reliance upon this data.

This SDS is current to the date listed above. However, the GHS classifications may change due to hazard communication updates by the overseeing governing body. For the most current SDS information please contact info@candlecreations.co.nz

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08/04/2020	EN (English)	13/13
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