



Wild Fig & Cassis #22415F

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: 08/05/2020 Revision date: 28/10/2020 Supersedes: V 1.0
Version: 2.0

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

1.1 Product identifier

Product name : Wild Fig & Cassis #22415F
Product form : Mixture
Type of product : Perfumes, fragrances
Product code : 22415F

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

9.3B Ecotoxicity to terrestrial vertebrates B
Flammable liquids Not classified
6.1D Acute toxicity (oral), Category 4
6.3A Skin corrosion/irritation, Category 2
8.3A Serious eye damage/eye irritation, Category 1
6.5B Skin sensitisation, Category 1
6.8B Reproductive toxicity, Category 2
9.1D Hazardous to the aquatic environment — Acute Hazard, Category 2
9.1B Hazardous to the aquatic environment — Chronic Hazard, Category 2

2.2 Label elements

GHS NZ labelling

Hazard pictograms (GHS NZ) :



Signal word (GHS NZ) :

Danger

Contains :

Benzyl benzoate (33.75 – 63.75 %) ; Hexyl cinnamic aldehyde (1.333 – 5.633 %) ; Geraniol (1.2555 – 5.3055 %) ; Citronellol Pure (1.2555 – 5.3055 %) ; Phenylmethanol (1.178 – 4.978 %) ; Turpentine oil (0.62 – 2.62 %) ; Linalyl acetate (0.4805 – 2.0305 %) ; Geranyl acetate (0.372 – 1.572 %) ; Cyclamal (0.1 – 1 %) ; Triplal (Vertocitral) (0.1 – 1 %) ; d-Limonene (0.1 – 1 %) ; Allyl ionone (0.1 – 1 %) ; Rose oxide (0.1 – 1 %)

Hazard statements (GHS NZ) :

H302 - 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.
H401 - Toxic to aquatic life
H411 - Toxic to aquatic life with long lasting effects.
H432 - Toxic 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
P270 - Do not eat, drink or smoke when using this product.
P272 - Contaminated work clothing should not be allowed out of the workplace.

Response :

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

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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
Benzyl benzoate	(CAS-No.) 120-51-4	33.75 – 63.75	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
Hedione	(CAS-No.) 24851-98-7	1.5345 – 6.4845	Flam. Liq. Not classified Acute Tox. Not classified (Oral) 9.1D: Aquatic Acute 3, H402
Hexyl cinnamic aldehyde	(CAS-No.) 101-86-0	1.333 – 5.633	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
Geraniol	(CAS-No.) 106-24-1	1.2555 – 5.3055	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
Citronellol Pure	(CAS-No.) 106-22-9	1.2555 – 5.3055	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
Phenylmethanol	(CAS-No.) 100-51-6	1.178 – 4.978	9.3C: Ecotoxicity to terrestrial vertebrates C, H433 Flam. Liq. Not classified 6.1D: Acute Tox. 4 (Oral), H302 6.1D: Acute Tox. 4 (Inhalation:gas), H332 9.1D: Aquatic Acute 2, H401
Verdorex	(CAS-No.) 88-41-5	0.9765 – 4.1265	3.1D: Flam. Liq. 4, H227 6.1E: Acute Tox. 5 (Oral), H303 9.1B: Aquatic Chronic 2, H411
Turpentine oil	(CAS-No.) 8006-64-2	0.62 – 2.62	3.1C: Flam. Liq. 3, H226 Acute Tox. Not classified (Oral) Acute Tox. Not classified (Dermal) 6.1D: Acute Tox. 4 (Inhalation:vapour), H332 6.3A: Skin Irrit. 2, H315 6.5B: Skin Sens. 1, H317 6.1E: Asp. Tox. 1, H304 9.1B: Aquatic Chronic 2, H411
Terpinyl acetate	(CAS-No.) 80-26-2	0.5735 – 2.4235	Flam. Liq. Not classified Acute Tox. Not classified (Oral) Acute Tox. Not classified 9.1B: Aquatic Chronic 2, H411
Geranyl acetate	(CAS-No.) 105-87-3	0.372 – 1.572	Flam. Liq. Not classified Acute Tox. Not classified (Oral) 6.3A: Skin Irrit. 2, H315 6.5B: Skin Sens. 1, H317 9.1C: Aquatic Chronic 3, H412
Styralyl acetate	(CAS-No.) 93-92-5	0.3255 – 1.3755	3.1D: Flam. Liq. 4, H227 Acute Tox. Not classified (Oral) 9.1D: Aquatic Acute 3, H402
Allyl ionone	(CAS-No.) 79-78-7	0.1–1	Flam. Liq. Not classified 6.5B: Skin Sens. 1, H317 9.1B: Aquatic Chronic 2, H411
Butylated hydroxytoluene (BHT) crystals	(CAS-No.) 128-37-0	0.1–1	9.1A: Aquatic Acute 1, H400 9.1A: Aquatic Chronic 1, H410
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

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Name	Product identifier	%	Classification according to GHS NZ
Rose oxide	(CAS-No.) 16409-43-1	0.1–1	3.1D: Flam. Liq. 4, H227 6.1E: Acute Tox. 5 (Oral), H303 6.3A: Skin Irrit. 2, H315 6.4A: Eye Irrit. 2, H319 6.8B: Repr. 2, H361
Phenylethyl isobutyrate	(CAS-No.) 103-48-0	0.1–1	Acute Tox. Not classified (Oral)
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

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. Call a poison center or a doctor if you feel unwell.
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 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	: Immediately call a POISON CENTER/doctor. 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. Call a physician immediately.
First-aid measures after ingestion	: Call a POISON CENTER/doctor if you feel unwell. Do NOT induce vomiting. Obtain emergency medical attention. Rinse mouth. 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	: Causes skin irritation. Irritation. May cause an allergic skin reaction.
Symptoms/effects after eye contact	: Causes serious eye damage. Serious damage to eyes.
Symptoms/effects after ingestion	: Swallowing a small quantity of this material will result in serious health hazard.

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.

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

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. Avoid contact with skin and eyes. Wear personal protective equipment. Avoid breathing dust/fume/gas/mist/vapours/spray. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.

Hygiene measures : Wash hands thoroughly after handling. 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 in a well-ventilated place. Keep cool. Store locked up.

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

Phenylmethanol (100-51-6)	
Germany - Occupational Exposure Limits (TRGS 900)	
Occupational exposure limit value (mg/m ³)	22 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
Turpentine oil (8006-64-2)	
New Zealand - Occupational Exposure Limits	
TWA (mg/m ³)	556 mg/m ³
TWA (ppm)	100 ppm
Malaysia - Occupational Exposure Limits	
PEL TWA (mg/m ³)	556 mg/m ³
PEL TWA (ppm)	100 ppm
China - Occupational Exposure Limits	
OEL TWA	300 mg/m ³
OEL STEL	450 mg/m ³ (calculated)

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Turpentine oil (8006-64-2)	
Korea - Occupational Exposure Limits	
ISHA TWA (ppm)	20 ppm
Singapore - Occupational Exposure Limits	
OEL PEL (mg/m ³)	566 mg/m ³
OEL PEL (ppm)	100 ppm
United Kingdom - Occupational Exposure Limits	
WEL TWA (mg/m ³)	566 mg/m ³
WEL TWA (ppm)	100 ppm
WEL STEL (mg/m ³)	850 mg/m ³
WEL STEL (ppm)	150 ppm
USA - ACGIH - Occupational Exposure Limits	
ACGIH TWA (ppm)	20 ppm
ACGIH chemical category	dermal sensitizer, Not Classifiable as a Human Carcinogen
Rose oxide (16409-43-1)	
Korea - Occupational Exposure Limits	
ISHA	Name, Toxicity and Protective Measures of New Chemical
Butylated hydroxytoluene (BHT) crystals (128-37-0)	
New Zealand - Occupational Exposure Limits	
TWA (mg/m ³)	10 mg/m ³
Malaysia - Occupational Exposure Limits	
PEL TWA (mg/m ³)	10 mg/m ³
Korea - Occupational Exposure Limits	
ISHA TWA (mg/m ³)	2 mg/m ³
Singapore - Occupational Exposure Limits	
OEL PEL (mg/m ³)	10 mg/m ³
Germany - Occupational Exposure Limits (TRGS 900)	
Occupational exposure limit value (mg/m ³)	10 mg/m ³ (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed-inhalable fraction)
United Kingdom - Occupational Exposure Limits	
WEL TWA (mg/m ³)	10 mg/m ³
WEL STEL (mg/m ³)	30 mg/m ³ (calculated)
USA - ACGIH - Occupational Exposure Limits	
ACGIH TWA (mg/m ³)	2 mg/m ³ (inhalable fraction and vapor)
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	: light yellow, 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	: $\geq 65.6^{\circ}\text{C}$ (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	: Relative density : 1.05
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)	: Harmful if swallowed.
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

ATE NZ (oral)	740.959 mg/kg bodyweight
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
Hedione (24851-98-7)	
LD50 oral rat	> 5 g/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 (mg/l)	> 5 mg/l/4h
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
Geraniol (106-24-1)	
LD50 oral rat	3600 mg/kg

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Geraniol (106-24-1)	
LD50 oral	3600 mg/kg bodyweight
LD50 dermal rabbit	> 5 g/kg
Phenylmethanol (100-51-6)	
LD50 oral rat	1230 mg/kg
LD50 oral	1620 mg/kg bodyweight
LD50 dermal	2500 mg/kg bodyweight
Verdox (88-41-5)	
LD50 oral rat	4600 mg/kg
LD50 oral	4600 mg/kg bodyweight
Turpentine oil (8006-64-2)	
LD50 oral rat	5760 mg/kg
LD50 oral	500 mg/kg bodyweight
LD50 dermal rabbit	> 5010 mg/kg
LD50 dermal	1100 mg/kg bodyweight
LC50 inhalation rat (mg/l)	12 g/m ³ (Exposure time: 6 h)
LC50 inhalation rat (Vapours - mg/l/4h)	13.7 mg/l/4h
Terpinyl acetate (80-26-2)	
LD50 oral rat	5075 mg/kg
Geranyl acetate (105-87-3)	
LD50 oral rat	6330 mg/kg
Styralyl acetate (93-92-5)	
LD50 oral rat	> 5 g/kg
Cyclamal (103-95-7)	
LD50 oral rat	3810 mg/kg
LD50 oral	3810 mg/kg bodyweight
Phenylethyl isobutyrate (103-48-0)	
LD50 oral rat	5200 mg/kg
Triplal (Vertocitral) (68039-49-6)	
LD50 oral	3900 mg/kg bodyweight
Rose oxide (16409-43-1)	
LD50 oral rat	4300 mg/kg
LD50 oral	4300 mg/kg bodyweight
Butylated hydroxytoluene (BHT) crystals (128-37-0)	
LD50 oral rat	> 2930 mg/kg
LD50 dermal rat	> 2000 mg/kg

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	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

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Viscosity, kinematic	
Potential adverse human health effects and symptoms	: Harmful if swallowed. 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. Toxic to aquatic life.
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

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Terrestrial vertebrate toxicity	: Toxic to terrestrial vertebrates.
Terrestrial invertebrate toxicity	: Not classified
Other information	: Avoid release to the environment.

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
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
Hexyl cinnamic aldehyde (101-86-0)	
LD50 dermal rabbit	> 3000 mg/kg
LD50 oral rat	3100 mg/kg
Citronellol Pure (106-22-9)	
LD50 dermal rabbit	2650 mg/kg
LD50 oral rat	3450 mg/kg
Geraniol (106-24-1)	
LC50 fish 1	22 mg/l (Exposure time: 96 h - Species: Danio rerio [static])
LD50 dermal rabbit	> 5 g/kg
LD50 oral rat	3600 mg/kg
Phenylmethanol (100-51-6)	
LC50 fish 1	460 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
LC50 fish 2	10 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
EC50 Daphnia 1	23 mg/l (Exposure time: 48 h - Species: water flea)
Partition coefficient n-octanol/water (Log Pow)	1.1
LD50 oral rat	1230 mg/kg
Verdox (88-41-5)	
LD50 oral rat	4600 mg/kg
Turpentine oil (8006-64-2)	
LD50 dermal rabbit	> 5010 mg/kg
LD50 oral rat	5760 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
Geranyl acetate (105-87-3)	
LD50 oral rat	6330 mg/kg
Styralyl acetate (93-92-5)	
LC50 fish 1	18.32 mg/l (Exposure time: 96 h - Species: Danio rerio [semi-static])
LD50 oral rat	> 5 g/kg
Cyclamal (103-95-7)	
LD50 oral rat	3810 mg/kg
Phenylethyl isobutyrate (103-48-0)	
LD50 oral rat	5200 mg/kg
Rose oxide (16409-43-1)	
LD50 oral rat	4300 mg/kg
Butylated hydroxytoluene (BHT) crystals (128-37-0)	
EC50 72h algae (1)	6 mg/l (Species: Pseudokirchneriella subcapitata)
EC50 72h algae (2)	> 0.42 mg/l (Species: Desmodesmus subspicatus)
BCF fish 1	230 – 2500
Partition coefficient n-octanol/water (Log Pow)	4.17
	> 2000 mg/kg
LD50 oral rat	> 2930 mg/kg

12.2. Persistence and degradability

Wild Fig & Cassis #22415F	
Persistence and degradability	Not established.

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Benzyl benzoate (120-51-4)	
Persistence and degradability	May cause long-term adverse effects in the environment.

12.3. Bioaccumulative potential

Wild Fig & Cassis #22415F	
Bioaccumulative potential	Not established.

Benzyl benzoate (120-51-4)	
Partition coefficient n-octanol/water (Log Pow)	See section 12.1 on ecotoxicology
Bioaccumulative potential	Not established.

Phenylmethanol (100-51-6)	
Partition coefficient n-octanol/water (Log Pow)	See section 12.1 on ecotoxicology

Butylated hydroxytoluene (BHT) crystals (128-37-0)	
BCF fish 1	See section 12.1 on ecotoxicology
Partition coefficient n-octanol/water (Log Pow)	See section 12.1 on ecotoxicology

12.4. Mobility in soil

Wild Fig & Cassis #22415F	
Mobility in soil	No additional information available

Benzyl benzoate (120-51-4)	
Partition coefficient n-octanol/water (Log Pow)	See section 12.1 on ecotoxicology

Phenylmethanol (100-51-6)	
Partition coefficient n-octanol/water (Log Pow)	See section 12.1 on ecotoxicology

Butylated hydroxytoluene (BHT) crystals (128-37-0)	
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. (Benzyl benzoate)
Proper Shipping Name (IATA)	: Environmentally hazardous substance, liquid, n.o.s. (Benzyl benzoate)

14.3. Transport hazard class(es)

UN RTDG

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

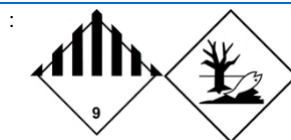


IMDG

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

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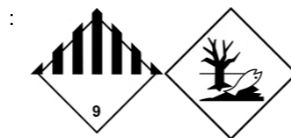
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IATA

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 : 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

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Benzyl benzoate (120-51-4)

Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR003504

Citronellol Pure (106-22-9)

Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR003483

Geraniol (106-24-1)

Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR003176

Phenylmethanol (100-51-6)

Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR001039

Turpentine oil (8006-64-2)

Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR001233

Triplal (Vertocitral) (68039-49-6)

Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR003489

Butylated hydroxytoluene (BHT) crystals (128-37-0)

Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR002784

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Issue date : 5/8/2020

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
6.1D: Acute Tox. 4 (Inhalation:gas)	6.1D: Acute toxicity (inhalation:gas) Category 4
6.1D: Acute Tox. 4 (Inhalation:vapour)	6.1D: Acute toxicity (inhalation:vapour) 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
6.8B: 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

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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
H226	Flammable liquid and vapour.
H227	Combustible liquid
H302	Harmful if swallowed.
H303	May be harmful if swallowed
H304	May be fatal if swallowed and enters airways.
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.
H332	Harmful if inhaled.
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.
H432	Toxic to terrestrial vertebrates
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