



Lily of the Valley & Ivy #30244F

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)
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Version: 2.0

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

1.1 Product identifier

Product name : Lily of the Valley & Ivy #30244F
Product form : Mixture
Type of product : Perfumes, fragrances
Product code : 30244F

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
6.1 D Acute toxicity (oral), Category 4
Skin corrosion/irritation, Category 3
Skin sensitisation, Category 1
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)

: Warning

Contains

: Benzyl benzoate (32.613 – 65.226 %) ; Phenylethyl alcohol (2.575 – 5.15 %) ; 2-Hydroxybenzoic acid, benzyl ester (0.925 – 1.85 %) ; Citronellol Pure (0.8815 – 1.763 %) ; Linalyl acetate (0.5 – 1 %) ; Cyclamal (0.45 – 0.9 %) ; Linalool (0.4 – 0.8 %) ; Bergamot oil (0.375 – 0.75 %) ; Heliotropine crystals (0.325 – 0.65 %) ; Helional (0.175 – 0.35 %) ; Geraniol (0.1 – 0.2 %) ; Hexyl salicylate (0.075 – 0.15 %)

Hazard statements (GHS NZ)

: H302 - Harmful if swallowed.
H316 - Causes mild skin irritation
H317 - May cause an allergic skin reaction.
H401 - Toxic to aquatic life
H411 - Toxic to aquatic life with long lasting effects.
H432 - Toxic to terrestrial vertebrates

Prevention

: 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.
P273 - Avoid release to the environment.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.

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
Benzyl benzoate	(CAS-No.) 120-51-4	32.613 – 65.226	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
Ethylene brassylate	(CAS-No.) 105-95-3	3.5 – 7	Flam. Liq. Not classified Acute Tox. Not classified (Oral) Acute Tox. Not classified (Dermal) 9.1B: Aquatic Chronic 2, H411
Hedione	(CAS-No.) 24851-98-7	3.3 – 6.6	Flam. Liq. Not classified Acute Tox. Not classified (Oral) 9.1D: Aquatic Acute 3, H402
Phenylethyl alcohol	(CAS-No.) 60-12-8	2.575 – 5.15	9.3C: Ecotoxicity to terrestrial vertebrates C, H433 Flam. Liq. Not classified 6.1D: Acute Tox. 4 (Oral), H302 6.1E: Acute Tox. 5 (Dermal), H313 6.4A: Eye Irrit. 2, H319 Aquatic Acute Not classified
Hexamethylindanopyran	(CAS-No.) 1222-05-5	1.0625 – 2.125	Flam. Liq. Not classified 9.1A: Aquatic Acute 1, H400 9.1A: Aquatic Chronic 1, H410
2-Hydroxybenzoic acid, benzyl ester	(CAS-No.) 118-58-1	0.925 – 1.85	Flam. Liq. Not classified 6.1E: Acute Tox. 5 (Oral), H303 Acute Tox. Not classified (Dermal) 6.4A: Eye Irrit. 2, H319 6.5B: Skin Sens. 1, H317 9.1D: Aquatic Acute 2, H401 9.1C: Aquatic Chronic 3, H412
Citronellol Pure	(CAS-No.) 106-22-9	0.8815 – 1.763	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
Cyclamal	(CAS-No.) 103-95-7	0.45 – 0.9	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
Indeno[1,2-d]-1,3-dioxin, 4,4a,5,9b-tetrahydro-2,4-dimethyl-	(CAS-No.) 27606-09-3	0.4 – 0.8	6.1D: Acute Tox. 4 (Oral), H302
Bergamot oil	(CAS-No.) 8007-75-8	0.375 – 0.75	3.1C: Flam. Liq. 3, H226 Acute Tox. Not classified (Oral) 6.3A: Skin Irrit. 2, H315 6.4A: Eye Irrit. 2, H319 6.5B: Skin Sens. 1, H317 6.1E: Asp. Tox. 1, H304 9.1A: Aquatic Acute 1, H400 9.1A: Aquatic Chronic 1, H410
Nerolidol	(CAS-No.) 7212-44-4	0.35 – 0.7	Flam. Liq. Not classified Acute Tox. Not classified (Oral) 6.4A: Eye Irrit. 2, H319 9.1A: Aquatic Acute 1, H400 9.1A: Aquatic Chronic 1, H410
Heliotropine crystals	(CAS-No.) 120-57-0	0.325 – 0.65	6.1E: Acute Tox. 5 (Oral), H303 6.5B: Skin Sens. 1, H317 9.1D: Aquatic Acute 2, H401
Triethyl citrate (citroflex)	(CAS-No.) 77-93-0	0.3 – 0.6	Flam. Liq. Not classified Acute Tox. Not classified (Oral) Acute Tox. Not classified (Dermal)
3,7-Dimethyl-1,6-nonadien-3-ol	(CAS-No.) 10339-55-6	0.25 – 0.5	3.1D: Flam. Liq. 4, H227 6.3A: Skin Irrit. 2, H315 6.4A: Eye Irrit. 2, H319 9.1D: Aquatic Acute 3, H402
Ambercore	(CAS-No.) 139504-68-0	0.2 – 0.4	Flam. Liq. Not classified 9.1B: Aquatic Chronic 2, H411
Helional	(CAS-No.) 1205-17-0	0.175 – 0.35	3.1D: Flam. Liq. 4, H227 6.5B: Skin Sens. 1, H317 9.1C: Aquatic Chronic 3, H412

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Name	Product identifier	%	Classification according to GHS NZ
beta-Ionone	(CAS-No.) 14901-07-6	0.175 – 0.35	Flam. Liq. Not classified 6.1E: Acute Tox. 5 (Oral), H303 9.1B: Aquatic Chronic 2, H411
Benzyl acetate	(CAS-No.) 140-11-4	0.1 – 0.2	3.1D: Flam. Liq. 4, H227 6.1E: Acute Tox. 5 (Oral), H303 Acute Tox. Not classified (Dermal) 9.1C: Aquatic Chronic 3, H412
Dimethylbenzyl carbonyl butyrate(DMBCB)	(CAS-No.) 10094-34-5	0.1 – 0.2	Flam. Liq. Not classified Acute Tox. Not classified (Oral) 6.3A: Skin Irrit. 2, H315 9.1B: Aquatic Chronic 2, H411
Phenylethyl phenylacetate	(CAS-No.) 102-20-5	0.1 – 0.2	Flam. Liq. Not classified Acute Tox. Not classified (Oral) 9.1B: Aquatic Chronic 2, H411
Sandela	(CAS-No.) 66068-84-6	0.1 – 0.2	Flam. Liq. Not classified 6.3A: Skin Irrit. 2, H315 6.4A: Eye Irrit. 2, H319 9.1B: Aquatic Chronic 2, H411
Geraniol	(CAS-No.) 106-24-1	0.1 – 0.2	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
Methyl pamplemousse	(CAS-No.) 67674-46-8	0.1 – 0.2	3.1D: Flam. Liq. 4, H227 6.3A: Skin Irrit. 2, H315 9.1C: Aquatic Chronic 3, H412
Hexyl salicylate	(CAS-No.) 6259-76-3	0.075 – 0.15	Flam. Liq. Not classified Acute Tox. Not classified (Oral) 6.3A: Skin Irrit. 2, H315 6.5B: Skin Sens. 1, H317 9.1A: Aquatic Chronic 1, H410
Phenoxyethyl isobutyrate	(CAS-No.) 103-60-6	0.075 – 0.15	Flam. Liq. Not classified Acute Tox. Not classified (Oral) 9.1D: Aquatic Acute 3, H402
Isoeugenyl acetate (Acetyl isoeugenol) crystals	(CAS-No.) 93-29-8	0.05 – 0.1	6.1E: Acute Tox. 5 (Oral), H303
cis-3-Hexenyl salicylate	(CAS-No.) 65405-77-8	0.05 – 0.1	Flam. Liq. Not classified 6.1E: Acute Tox. 5 (Oral), H303 9.1A: Aquatic Acute 1, H400
Guaiacwood acetate	(CAS-No.) 61789-17-1	0.05 – 0.1	Flam. Liq. Not classified Acute Tox. Not classified (Oral) 6.3A: Skin Irrit. 2, H315 6.4A: Eye Irrit. 2, H319
Vanillin	(CAS-No.) 121-33-5	0.05 – 0.1	Acute Tox. Not classified (Dermal) 6.4A: Eye Irrit. 2, H319 9.1D: Aquatic Acute 3, H402
Geranyl acetate	(CAS-No.) 105-87-3	0 – 0.05	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
beta-Pinene	(CAS-No.) 127-91-3	0 – 0.038	3.1C: Flam. Liq. 3, H226 Acute Tox. Not classified (Oral) Acute Tox. Not classified (Dermal)
Triplal (Vertocitral)	(CAS-No.) 68039-49-6	0 – 0.006	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
Veloutone	(CAS-No.) 65443-14-3	0 – 0.006	3.1D: Flam. Liq. 4, H227 9.1B: Aquatic Chronic 2, H411
alpha-Pinene	(CAS-No.) 80-56-8	0 – 0.003	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

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: 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.
First-aid measures after skin contact	: Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.

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First-aid measures after eye contact : Rinse eyes with water as a precaution.
First-aid measures after ingestion : 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 after skin contact : May cause an allergic skin reaction.

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

Other medical advice or treatment : Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

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

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Special protective equipment and precautions for fire-fighters

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

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. 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. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment : Collect spillage.

Methods for cleaning up : Take up liquid spill into absorbent material.

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. Wear personal protective equipment. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray.

Hygiene measures : 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. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

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

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

Phenylethyl alcohol (60-12-8)	
China - Occupational Exposure Limits	
Catalogue of Occupational Hazard Factors	Category 3 - Chemicals
Indeno[1,2-d]-1,3-dioxin, 4,4a,5,9b-tetrahydro-2,4-dimethyl- (27606-09-3)	
Korea - Occupational Exposure Limits	
ISHA	Name, Toxicity and Protective Measures of New Chemical
Nerolidol (7212-44-4)	
Korea - Occupational Exposure Limits	
ISHA	Name, Toxicity and Protective Measures of New Chemical

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Ambercore (139504-68-0)	
Korea - Occupational Exposure Limits	
ISHA	Name, Toxicity and Protective Measures of New Chemical
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
beta-Pinene (127-91-3)	
USA - ACGIH - Occupational Exposure Limits	
ACGIH TWA (ppm)	20 ppm (Turpentine and selected monoterpenes)
ACGIH chemical category	dermal sensitizer, Not Classifiable as a Human Carcinogen
Veloutone (65443-14-3)	
Korea - Occupational Exposure Limits	
ISHA	Name, Toxicity and Protective Measures of New Chemical
alpha-Pinene (80-56-8)	
USA - ACGIH - Occupational Exposure Limits	
ACGIH TWA (ppm)	20 ppm (Turpentine and selected monoterpenes)
ACGIH chemical category	dermal sensitizer, 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 : Protective gloves

Eye protection : Safety glasses

Skin and body protection : Wear suitable protective clothing

Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment

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	: amber, light yellow
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	: ≈ 93.3 °C (closed cup) ASTM D7094

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Auto-ignition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative density	: No data available
Density	: Relative density : 1
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	: Stable under normal conditions.
Possibility of hazardous reactions	: No dangerous reactions known under normal conditions of use.
Conditions to avoid	: None under recommended storage and handling conditions (see section 7).
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

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

ATE NZ (oral)	740.772 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
Ethylene brassylate (105-95-3)	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 5000 mg/kg
Hedione (24851-98-7)	
LD50 oral rat	> 5 g/kg
Phenylethyl alcohol (60-12-8)	
LD50 oral rat	1609 mg/kg
LD50 oral	1610 mg/kg bodyweight
LD50 dermal rabbit	2535 mg/kg
LD50 dermal	2500 mg/kg bodyweight
LC50 Inhalation - Rat	> 4.63 mg/l/4h
Hexamethylindanopyran (1222-05-5)	
LD50 oral rat	> 3250 mg/kg
LD50 dermal rabbit	> 3250 mg/kg
2-Hydroxybenzoic acid, benzyl ester (118-58-1)	
LD50 oral rat	2227 mg/kg
LD50 oral	2200 mg/kg bodyweight
LD50 dermal rabbit	> 5000 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
Cyclamal (103-95-7)	
LD50 oral rat	3810 mg/kg
LD50 oral	3810 mg/kg bodyweight

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Indeno[1,2-d]-1,3-dioxin, 4,4a,5,9b-tetrahydro-2,4-dimethyl- (27606-09-3)	
LD50 oral	500 mg/kg bodyweight
Bergamot oil (8007-75-8)	
LD50 oral rat	11520 mg/kg
Nerolidol (7212-44-4)	
LD50 oral rat	> 5 g/kg
Heliotropine crystals (120-57-0)	
LD50 oral rat	2700 mg/kg
LD50 oral	2700 mg/kg bodyweight
Triethyl citrate (citroflex) (77-93-0)	
LD50 oral rat	5900 mg/kg
LD50 dermal rabbit	> 5 g/kg
LC50 Inhalation - Rat [ppm]	1300 ppm (Exposure time: 6 h)
3,7-Dimethyl-1,6-nonadien-3-ol (10339-55-6)	
LD50 oral	5000 mg/kg bodyweight
beta-Ionone (14901-07-6)	
LD50 oral rat	4590 mg/kg
Geraniol (106-24-1)	
LD50 oral rat	3600 mg/kg
LD50 oral	3600 mg/kg bodyweight
LD50 dermal rabbit	> 5 g/kg
Phenylethyl phenylacetate (102-20-5)	
LD50 oral rat	15 g/kg
LD50 oral	3190 mg/kg bodyweight
Dimethylbenzyl carbonyl butyrate(DMBCB) (10094-34-5)	
LD50 oral rat	> 5 g/kg
Benzyl acetate (140-11-4)	
LD50 oral rat	2490 mg/kg
LD50 oral	2490 mg/kg bodyweight
LD50 dermal rabbit	> 5000 mg/kg
Phenoxyethyl isobutyrate (103-60-6)	
LD50 oral rat	> 5 g/kg
Hexyl salicylate (6259-76-3)	
LD50 oral rat	> 5 g/kg
Vanillin (121-33-5)	
LD50 dermal rabbit	> 5010 mg/kg
Guaiacwood acetate (61789-17-1)	
LD50 oral rat	> 5 g/kg
cis-3-Hexenyl salicylate (65405-77-8)	
LD50 oral rat	5 g/kg
Isoeugenyl acetate (Acetyl isoeugenol) crystals (93-29-8)	
LD50 oral rat	3450 mg/kg
LD50 oral	3450 mg/kg bodyweight
beta-Pinene (127-91-3)	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 5000 mg/kg
Geranyl acetate (105-87-3)	
LD50 oral rat	6330 mg/kg
Triplal (Vertocitral) (68039-49-6)	
LD50 oral	3900 mg/kg bodyweight
alpha-Pinene (80-56-8)	
LD50 oral rat	3700 mg/kg
LD50 oral	500 mg/kg bodyweight
LD50 dermal rat	> 5000 mg/kg

Skin corrosion/irritation	: Causes mild skin irritation.
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified

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Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

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Viscosity, kinematic	

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	: Toxic to terrestrial vertebrates.
Terrestrial invertebrate toxicity	: Not classified

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
Ethylene brassylate (105-95-3)	
LD50 dermal rabbit	> 5000 mg/kg
LD50 oral rat	> 5000 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
Phenylethyl alcohol (60-12-8)	
EC50 Daphnia 1	287.17 mg/l (Exposure time: 48 h - Species: Daphnia magna)
EC50 72h algae (1)	490 mg/l (Species: Desmodesmus subspicatus)
Partition coefficient n-octanol/water (Log Pow)	1.38 (at 25 °C)
LD50 dermal rabbit	2535 mg/kg
LD50 oral rat	1609 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
2-Hydroxybenzoic acid, benzyl ester (118-58-1)	
LC50 fish 1	1.03 mg/l (Exposure time: 96 h - Species: Danio rerio [semi-static])
LD50 dermal rabbit	> 5000 mg/kg
LD50 oral rat	2227 mg/kg
Citronellol Pure (106-22-9)	
LD50 dermal rabbit	2650 mg/kg
LD50 oral rat	3450 mg/kg
Cyclamal (103-95-7)	
LD50 oral rat	3810 mg/kg
Nerolidol (7212-44-4)	
LC50 fish 1	1.3 – 1.58 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
LC50 fish 2	1.4 – 2.2 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
LD50 oral rat	> 5 g/kg
Heliotropine crystals (120-57-0)	
LC50 fish 1	2.5 mg/l (Exposure time: 96 h - Species: Cyprinus carpio [static])

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Heliotropine crystals (120-57-0)	
LD50 oral rat	2700 mg/kg
Triethyl citrate (citroflex) (77-93-0)	
LD50 dermal rabbit	> 5 g/kg
LD50 oral rat	5900 mg/kg
3,7-Dimethyl-1,6-nonadien-3-ol (10339-55-6)	
LC50 fish 1	24 mg/l (Exposure time: 96 h - Species: Danio rerio [semi-static])
beta-Ionone (14901-07-6)	
LD50 oral rat	4590 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
Phenylethyl phenylacetate (102-20-5)	
LD50 oral rat	15 g/kg
Dimethylbenzyl carbonyl butyrate(DMBCB) (10094-34-5)	
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
Phenoxyethyl isobutyrate (103-60-6)	
LC50 fish 1	13.3 mg/l (Exposure time: 96 h - Species: Danio rerio [static])
LD50 oral rat	> 5 g/kg
Hexyl salicylate (6259-76-3)	
LD50 oral rat	> 5 g/kg
Vanillin (121-33-5)	
LC50 fish 1	53 – 61.3 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
LC50 fish 2	88 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
NOEC (acute)	10000 mg/kg (Exposure time: 42 Days - Species: Eisenia foetida [soil dry weight])
Partition coefficient n-octanol/water (Log Pow)	1.23 (at 22 °C)
LD50 dermal rabbit	> 5010 mg/kg
Guaiacwood acetate (61789-17-1)	
LD50 oral rat	> 5 g/kg
cis-3-Hexenyl salicylate (65405-77-8)	
LD50 oral rat	5 g/kg
Isoeugenyl acetate (Acetyl isoeugenol) crystals (93-29-8)	
LD50 oral rat	3450 mg/kg
beta-Pinene (127-91-3)	
LD50 dermal rabbit	> 5000 mg/kg
LD50 oral rat	> 5000 mg/kg
Geranyl acetate (105-87-3)	
LD50 oral rat	6330 mg/kg
alpha-Pinene (80-56-8)	
LC50 fish 1	0.28 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 Daphnia 1	41 mg/l (Exposure time: 48 h - Species: Daphnia magna)
Partition coefficient n-octanol/water (Log Pow)	4.1
	> 5000 mg/kg
LD50 oral rat	3700 mg/kg

12.2. Persistence and degradability

Lily of the Valley & Ivy #30244F	
Persistence and degradability	No additional information available
Benzyl benzoate (120-51-4)	
Persistence and degradability	May cause long-term adverse effects in the environment.

12.3. Bioaccumulative potential

Lily of the Valley & Ivy #30244F	
Bioaccumulative potential	No additional information available

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Benzyloxybenzoate (120-51-4)	
Partition coefficient n-octanol/water (Log Pow)	See section 12.1 on ecotoxicology
Bioaccumulative potential	Not established.
Phenylethyl alcohol (60-12-8)	
Partition coefficient n-octanol/water (Log Pow)	See section 12.1 on ecotoxicology
Benzyloxyacetate (140-11-4)	
Partition coefficient n-octanol/water (Log Pow)	See section 12.1 on ecotoxicology
Vanillin (121-33-5)	
Partition coefficient n-octanol/water (Log Pow)	See section 12.1 on ecotoxicology
alpha-Pinene (80-56-8)	
Partition coefficient n-octanol/water (Log Pow)	See section 12.1 on ecotoxicology

12.4. Mobility in soil

Lily of the Valley & Ivy #30244F	
Mobility in soil	No additional information available
Benzyloxybenzoate (120-51-4)	
Partition coefficient n-octanol/water (Log Pow)	See section 12.1 on ecotoxicology
Phenylethyl alcohol (60-12-8)	
Partition coefficient n-octanol/water (Log Pow)	See section 12.1 on ecotoxicology
Benzyloxyacetate (140-11-4)	
Partition coefficient n-octanol/water (Log Pow)	See section 12.1 on ecotoxicology
Vanillin (121-33-5)	
Partition coefficient n-octanol/water (Log Pow)	See section 12.1 on ecotoxicology
alpha-Pinene (80-56-8)	
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.
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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)

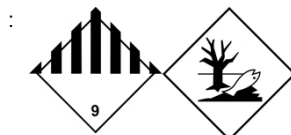
UN RTDG

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

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

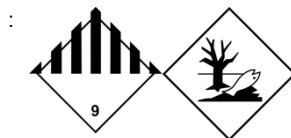


Lily of the Valley & Ivy #30244F

Safety Data Sheet

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

Benzyl benzoate (120-51-4)

Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR003504

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Safety Data Sheet

Phenylethyl alcohol (60-12-8)

Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR003487

2-Hydroxybenzoic acid, benzyl ester (118-58-1)

Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR003501

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

Benzyl acetate (140-11-4)

Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR002908

Vanillin (121-33-5)

Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR003498

beta-Pinene (127-91-3)

Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR001396

Triplal (Vertocitral) (68039-49-6)

Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR003489

alpha-Pinene (80-56-8)

Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR001211

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Issue date : 10/20/2020

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 (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
6.3B: Skin Irrit. 3	6.3B: Skin corrosion/irritation, Category 3
6.4A: Eye Irrit. 2	6.4A: Serious eye damage/eye irritation, Category 2

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6.5B: Skin Sens. 1	6.5B: Skin sensitisation, Category 1
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 (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.
H316	Causes mild skin irritation
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
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