



Cherry Blossom #21027F

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)

Issue date: 30/03/2020 Revision date: 18/10/2020 Supersedes: V1.0. Version: 2.0

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

1.1 Product identifier

Product name : Cherry Blossom #21027F
Product form : Mixture
Type of product : Perfumes, fragrances
Product code : 21027F

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, NZ
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
3.1D	Flammable liquids, Category 4
6.3A	Skin corrosion/irritation, Category 2
8.3A	Serious eye damage/eye irritation, Category 1
6.5B	Skin sensitisation, Category 1
6.7B	Carcinogenicity, Category 2
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

: Citronellol Pure (2.66 – 5.32 %); Geraniol (2.105 – 4.21 %); Hexyl cinnamic aldehyde (2 – 4 %); acetyl cedrene (1 – 2 %); Lemon oil (0.75 – 1.5 %); Lyril (0.5 – 1 %); Allyl cyclohexylpropionate (0.5 – 1 %); Hydroxy (0.375 – 0.75 %); Helional (0.375 – 0.75 %); Mentha arvensis oil (0.25 – 0.5 %); Aldehyde C-16 (0.25 – 0.5 %); Phenylacetaldehyde (0.2 – 0.4 %); Butylphenyl methylpropional (0.2 – 0.4 %); Anise oil (Spanish) (0.15 – 0.3 %); Triplal (Vertocitral) (0.1 – 0.2 %); Cyclamal (0.1 – 0.2 %)

Hazard statements (GHS NZ)

: H227 - Combustible liquid
H315 - Causes skin irritation.
H317 - May cause an allergic skin reaction.
H318 - Causes serious eye damage.
H351 - Suspected of causing cancer.
H361 - Suspected of damaging fertility or the unborn child.
H401 - Toxic to aquatic life
H411 - Toxic to aquatic life with long lasting effects.
H433 - Harmful to terrestrial vertebrates

Prevention

: P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P264 - Wash hands thoroughly after handling

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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.

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
Citronellol Pure	(CAS-No.) 106-22-9	2.66 – 5.32	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
Phenylethyl alcohol	(CAS-No.) 60-12-8	2.535 – 5.07	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
Geraniol	(CAS-No.) 106-24-1	2.105 – 4.21	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
Hexyl cinnamic aldehyde	(CAS-No.) 101-86-0	2 – 4	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
Benzyl acetate	(CAS-No.) 140-11-4	1.5–3	3.1D: Flam. Liq. 4, H227 6.1E: Acute Tox. 5 (Oral), H303 Acute Tox. Not classified (Dermal) 9.1C: Aquatic Chronic 3, H412
Verdorex	(CAS-No.) 88-41-5	1.375 – 2.75	3.1D: Flam. Liq. 4, H227 6.1E: Acute Tox. 5 (Oral), H303 9.1B: Aquatic Chronic 2, H411
Terpineol	(CAS-No.) 8000-41-7	1.255 – 2.51	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
acetyl cedrene	(CAS-No.) 32388-55-9	1 – 2	Flam. Liq. Not classified 6.5B: Skin Sens. 1, H317 9.1A: Aquatic Acute 1, H400 9.1A: Aquatic Chronic 1, H410
Lemon oil	(CAS-No.) 8008-56-8	0.75 – 1.5	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
Benzyl benzoate	(CAS-No.) 120-51-4	0.75 – 1.5	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
Hexamethylindanopyran	(CAS-No.) 1222-05-5	0.75 – 1.5	Flam. Liq. Not classified 9.1A: Aquatic Acute 1, H400 9.1A: Aquatic Chronic 1, H410
Aldehyde C-14	(CAS-No.) 104-67-6	0.625 – 1.25	Flam. Liq. Not classified Acute Tox. Not classified (Oral) 9.1D: Aquatic Acute 2, H401 9.1C: Aquatic Chronic 3, H412
Citronellyl acetate (mixed Isomers)	(CAS-No.) 150-84-5	0.52 – 1.04	Flam. Liq. Not classified Acute Tox. Not classified (Oral) 6.3A: Skin Irrit. 2, H315 6.4A: Eye Irrit. 2, H319 9.1D: Aquatic Acute 2, H401 9.1B: Aquatic Chronic 2, H411

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Name	Product identifier	%	Classification according to GHS NZ
Dihydromyrcenol	(CAS-No.) 18479-58-8	0.5–1	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
Rose crystals	(CAS-No.) 90-17-5	0.5–1	Acute Tox. Not classified (Oral) 6.3A: Skin Irrit. 2, H315 9.1C: Aquatic Chronic 3, H412
Lylal	(CAS-No.) 31906-04-4	0.5–1	Flam. Liq. Not classified 6.1E: Acute Tox. 5 (Oral), H303 6.5B: Skin Sens. 1, H317
Allyl cyclohexylpropionate	(CAS-No.) 2705-87-5	0.5–1	9.3C: Ecotoxicity to terrestrial vertebrates C, H433 Flam. Liq. Not classified 6.1D: Acute Tox. 4 (Oral), H302 6.1D: Acute Tox. 4 (Dermal), H312 6.5B: Skin Sens. 1, H317 9.1A: Aquatic Acute 1, H400 9.1A: Aquatic Chronic 1, H410
Hydroxy	(CAS-No.) 107-75-5	0.375 – 0.75	Flam. Liq. Not classified Acute Tox. Not classified (Oral) 6.4A: Eye Irrit. 2, H319 6.5B: Skin Sens. 1, H317
Helional	(CAS-No.) 1205-17-0	0.375 – 0.75	3.1D: Flam. Liq. 4, H227 6.5B: Skin Sens. 1, H317 9.1C: Aquatic Chronic 3, H412
Phenylethyl phenylacetate	(CAS-No.) 102-20-5	0.375 – 0.75	Flam. Liq. Not classified Acute Tox. Not classified (Oral) 9.1B: Aquatic Chronic 2, H411
Ethyl butyrate	(CAS-No.) 105-54-4	0.25 – 0.5	3.1C: Flam. Liq. 3, H226 Acute Tox. Not classified (Oral)
Ethyl acetoacetate	(CAS-No.) 141-97-9	0.25 – 0.5	3.1D: Flam. Liq. 4, H227 6.1E: Acute Tox. 5 (Oral), H303 Acute Tox. Not classified (Dermal) Aquatic Acute Not classified
Ethyl 2-methylbutyrate	(CAS-No.) 7452-79-1	0.25 – 0.5	3.1C: Flam. Liq. 3, H226
Benzene carboxaldehyde	(CAS-No.) 100-52-7	0.25 – 0.5	9.3C: Ecotoxicity to terrestrial vertebrates C, H433 3.1D: Flam. Liq. 4, H227 6.1D: Acute Tox. 4 (Oral), H302 9.1D: Aquatic Acute 3, H402
Mentha arvensis oil	(CAS-No.) 68917-18-0	0.25 – 0.5	6.1D: Acute Tox. 4 (Oral), H302 6.3A: Skin Irrit. 2, H315 6.4A: Eye Irrit. 2, H319 6.5B: Skin Sens. 1, H317 9.1B: Aquatic Chronic 2, H411
Aldehyde C-16	(CAS-No.) 77-83-8	0.25 – 0.5	Flam. Liq. Not classified Acute Tox. Not classified (Oral) 6.5B: Skin Sens. 1, H317 9.1D: Aquatic Acute 2, H401 9.1B: Aquatic Chronic 2, H411
Phenylacetaldehyde	(CAS-No.) 122-78-1	0.2 – 0.4	3.1D: Flam. Liq. 4, H227 6.1D: Acute Tox. 4 (Oral), H302 8.3A: Eye Dam. 1, H318 6.5B: Skin Sens. 1, H317 9.1C: Aquatic Chronic 3, H412
Butylphenyl methylpropional	(CAS-No.) 80-54-6	0.2 – 0.4	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
Hydratropic aldehyde dimethyl acetal	(CAS-No.) 90-87-9	0.2 – 0.4	9.3C: Ecotoxicity to terrestrial vertebrates C, H433 3.1D: Flam. Liq. 4, H227 6.1D: Acute Tox. 4 (Oral), H302
cis-3-Hexenyl acetate	(CAS-No.) 3681-71-8	0.15 – 0.3	3.1C: Flam. Liq. 3, H226 Acute Tox. Not classified (Oral) 9.1D: Aquatic Acute 3, H402
Allyl caproate	(CAS-No.) 123-68-2	0.15 – 0.3	3.1D: Flam. Liq. 4, H227 6.1C: Acute Tox. 3 (Oral), H301 6.1C: Acute Tox. 3 (Dermal), H311 9.1A: Aquatic Acute 1, H400 9.1C: Aquatic Chronic 3, H412

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Name	Product identifier	%	Classification according to GHS NZ
Anise oil (Spanish)	(CAS-No.) 8007-70-3	0.15 – 0.3	3.1D: Flam. Liq. 4, H227 6.1E: Acute Tox. 5 (Oral), H303 6.5B: Skin Sens. 1, H317 6.6B: Muta. 2, H341 6.7B: Carc. 2, H351 9.1C: Aquatic Chronic 3, H412
Triplal (Vertocitral)	(CAS-No.) 68039-49-6	0.1 – 0.2	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
Cyclamal	(CAS-No.) 103-95-7	0.1 – 0.2	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
Styralyl acetate	(CAS-No.) 93-92-5	0.1 – 0.2	3.1D: Flam. Liq. 4, H227 Acute Tox. Not classified (Oral) 9.1D: Aquatic Acute 3, H402
Leaf alcohol	(CAS-No.) 928-96-1	0.05 – 0.1	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
Rose oxide	(CAS-No.) 16409-43-1	0 – 0.05	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
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
Indole crystals	(CAS-No.) 120-72-9	0 – 0.05	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
Diphenyl oxide	(CAS-No.) 101-84-8	0 – 0.04	6.1E: Acute Tox. 5 (Oral), H303 Acute Tox. Not classified (Dermal) 6.1D: Acute Tox. 4 (Inhalation:dust,mist), H332 6.4A: Eye Irrit. 2, H319 9.1A: Aquatic Acute 1, H400 9.1A: Aquatic Chronic 1, H410
Phenylmethanol	(CAS-No.) 100-51-6	0 – 0.04	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
Dimethyl sulfide	(CAS-No.) 75-18-3	0 – 0.04	9.3C: Ecotoxicity to terrestrial vertebrates C, H433 3.1B: Flam. Liq. 2, H225 6.1D: Acute Tox. 4 (Oral), H302 Acute Tox. Not classified (Dermal) 6.4A: Eye Irrit. 2, H319 9.1D: Aquatic Acute 3, H402
Geranyl formate	(CAS-No.) 105-86-2	0 – 0.04	Flam. Liq. Not classified Acute Tox. Not classified (Oral) 6.5B: Skin Sens. 1, H317 9.1A: Aquatic Acute 1, H400 9.1B: Aquatic Chronic 2, H411
Dimethyl octanol	(CAS-No.) 106-21-8	0 – 0.04	Flam. Liq. Not classified Acute Tox. Not classified (Oral) 6.1E: Acute Tox. 5 (Dermal), H313 6.3A: Skin Irrit. 2, H315 6.4A: Eye Irrit. 2, H319 9.1B: Aquatic Chronic 2, H411
Isomenthone	(CAS-No.) 491-07-6	0 – 0.04	3.1D: Flam. Liq. 4, H227 6.3A: Skin Irrit. 2, H315 6.5B: Skin Sens. 1, H317
Guaiyl acetate	(CAS-No.) 134-28-1	0 – 0.04	6.3A: Skin Irrit. 2, H315 6.5B: Skin Sens. 1, H317 9.1A: Aquatic Acute 1, H400 9.1A: Aquatic Chronic 1, H410

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Name	Product identifier	%	Classification according to GHS NZ
Geranium oil Egyptian	(CAS-No.) 8000-46-2	0 – 0.04	3.1D: Flam. Liq. 4, H227 6.3A: Skin Irrit. 2, H315 8.3A: Eye Dam. 1, H318 6.5B: Skin Sens. 1, H317 9.1B: Aquatic Chronic 2, H411
Rosewood oil	(CAS-No.) 8015-77-8	0 – 0.02	3.1D: Flam. Liq. 4, H227
Methyl isoeugenol	(CAS-No.) 93-16-3	0 – 0.02	Flam. Liq. Not classified 6.1E: Acute Tox. 5 (Oral), H303 6.5B: Skin Sens. 1, H317
Citronellyl formate	(CAS-No.) 105-85-1	0 – 0.01	Flam. Liq. Not classified Acute Tox. Not classified (Oral) 6.5B: Skin Sens. 1, H317
Dimetol	(CAS-No.) 13254-34-7	0 – 0.01	3.1D: Flam. Liq. 4, H227 Acute Tox. Not classified (Oral) 6.3A: Skin Irrit. 2, H315 6.4A: Eye Irrit. 2, H319
Hexylene Glycol	(CAS-No.) 107-41-5	0 – 0.01	Flam. Liq. Not classified 6.1E: Acute Tox. 5 (Oral), H303 Acute Tox. Not classified (Dermal) 6.3A: Skin Irrit. 2, H315 6.4A: Eye Irrit. 2, H319 9.1D: Aquatic Acute 2, H401
Rosalva	(CAS-No.) 13019-22-2	0 – 0.01	Flam. Liq. Not classified 6.3A: Skin Irrit. 2, H315 6.4A: Eye Irrit. 2, H319

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).
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/.... Wash contaminated clothing before reuse. If skin irritation 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). If skin irritation or rash occurs: Get immediate medical advice/attention. Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor. Call a physician immediately.
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 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.

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

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

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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.

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.

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, sparks and flame. No smoking.

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. No open flames. No smoking. Avoid breathing dust, fume, gas, mist, spray, vapours. Avoid contact with skin and eyes. Wear personal protective equipment.

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

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

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. Keep in fireproof place. Store in a well-ventilated place. Keep cool.

Incompatible products : Strong bases. Strong acids.

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

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
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

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Hydroxy (107-75-5)	
China - Occupational Exposure Limits	
Catalogue of Occupational Hazard Factors	Category 3 - Chemicals
Rose oxide (16409-43-1)	
Korea - Occupational Exposure Limits	
ISHA	Name, Toxicity and Protective Measures of New Chemical
Dimethyl sulfide (75-18-3)	
USA - ACGIH - Occupational Exposure Limits	
ACGIH TWA (ppm)	10 ppm
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
Diphenyl oxide (101-84-8)	
New Zealand - Occupational Exposure Limits	
TWA (mg/m ³)	7 mg/m ³ (vapour)
TWA (ppm)	1 ppm (vapour)
STEL (mg/m ³)	14 mg/m ³ (vapour)
STEL (ppm)	2 ppm (vapour)
Malaysia - Occupational Exposure Limits	
PEL TWA (mg/m ³)	7 mg/m ³ (vapor)
PEL TWA (ppm)	1 ppm (vapor)
China - Occupational Exposure Limits	
OEL TWA	7 mg/m ³
OEL STEL	14 mg/m ³
Catalogue of Occupational Hazard Factors	Category 3 - Chemicals
Korea - Occupational Exposure Limits	
ISHA TWA (ppm)	1 ppm (vapor)
ISHA STEL (ppm)	2 ppm (vapor)
Singapore - Occupational Exposure Limits	
OEL PEL (mg/m ³)	7 mg/m ³
OEL PEL (ppm)	1 ppm
OEL STEL (mg/m ³)	14 mg/m ³
OEL STEL (ppm)	2 ppm
Germany - Occupational Exposure Limits (TRGS 900)	
Occupational exposure limit value (mg/m ³)	7.1 mg/m ³ (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed-vapor)
Occupational exposure limit value (ppm)	1 ppm (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed-vapor)
United Kingdom - Occupational Exposure Limits	
WEL TWA (mg/m ³)	7.1 mg/m ³ (vapour)
WEL TWA (ppm)	1 ppm (vapour)
WEL STEL (mg/m ³)	21.3 mg/m ³ (calculated-vapour)
WEL STEL (ppm)	3 ppm (calculated-vapour)
USA - ACGIH - Occupational Exposure Limits	
ACGIH TWA (ppm)	1 ppm (vapor)
ACGIH STEL (ppm)	2 ppm (vapor fraction)
Hexylene Glycol (107-41-5)	
New Zealand - Occupational Exposure Limits	
OEL - Ceilings (mg/m ³)	121 mg/m ³
OEL - Ceilings (ppm)	25 ppm
Malaysia - Occupational Exposure Limits	
PEL Ceilings (mg/m ³)	121 mg/m ³
PEL Ceilings (ppm)	25 ppm
China - Occupational Exposure Limits	
OEL MAC (mg/m ³)	100 mg/m ³
Catalogue of Occupational Hazard Factors	Category 3 - Chemicals

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Hexylene Glycol (107-41-5)	
Korea - Occupational Exposure Limits	
ISHA Ceiling (ppm)	25 ppm
Singapore - Occupational Exposure Limits	
OEL STEL (mg/m ³)	121 mg/m ³
OEL STEL (ppm)	25 ppm
United Kingdom - Occupational Exposure Limits	
WEL TWA (mg/m ³)	123 mg/m ³
WEL TWA (ppm)	25 ppm
WEL STEL (mg/m ³)	123 mg/m ³
WEL STEL (ppm)	25 ppm
USA - ACGIH - Occupational Exposure Limits	
ACGIH TWA (ppm)	25 ppm (vapor fraction)
ACGIH STEL (mg/m ³)	10 mg/m ³ (inhalable particulate matter, aerosol only)
ACGIH STEL (ppm)	50 ppm (vapor fraction)

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

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 : 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 : 90 °C

Auto-ignition temperature : No data available

Flammability (solid, gas) : Combustible liquid

Vapour pressure : No data available

Relative density : No data available

Density : Relative density : ≈ 0.96

Solubility : No data available

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

Viscosity, kinematic : No data available

Viscosity, dynamic : No data available

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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.
Possibility of hazardous reactions	: Not established.
Conditions to avoid	: Direct sunlight. Extremely high or low temperatures. Open flame. Overheating. Heat. Sparks.
Incompatible materials	: Strong acids. Strong bases.
Hazardous decomposition products	: fume. Carbon monoxide. Carbon dioxide. May release flammable gases.

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

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
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 (mg/l)	> 4.63 mg/l/4h
Geraniol (106-24-1)	
LD50 oral rat	3600 mg/kg
LD50 oral	3600 mg/kg bodyweight
LD50 dermal rabbit	> 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
Benzyl acetate (140-11-4)	
LD50 oral rat	2490 mg/kg
LD50 dermal rabbit	> 5000 mg/kg
Verdox (88-41-5)	
LD50 oral rat	4600 mg/kg
LD50 oral	4600 mg/kg bodyweight
Terpineol (8000-41-7)	
LD50 oral rat	2900 mg/kg
LD50 oral	4300 mg/kg bodyweight
LD50 dermal rabbit	> 3000 mg/kg
acetyl cedrene (32388-55-9)	
LD50 oral	4500 mg/kg bodyweight
Hexamethylindanopyran (1222-05-5)	
LD50 oral rat	> 3250 mg/kg
LD50 dermal rabbit	> 3250 mg/kg
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
Lemon oil (8008-56-8)	
LD50 oral rat	2840 mg/kg

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Aldehyde C-14 (104-67-6)	
LD50 oral rat	18500 mg/kg
Citronellyl acetate (mixed Isomers) (150-84-5)	
LD50 oral rat	6800 mg/kg
Allyl cyclohexylpropionate (2705-87-5)	
LD50 oral rat	585 mg/kg
LD50 oral	480 mg/kg bodyweight
LD50 dermal	1600 mg/kg bodyweight
LC50 inhalation rat (Vapours - mg/l/4h)	11 mg/l/4h
Lyrar (31906-04-4)	
LD50 oral rat	3250 µl/kg
Rose crystals (90-17-5)	
LD50 oral rat	6800 mg/kg
Dihydromyrcenol (18479-58-8)	
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
Hydroxy (107-75-5)	
LD50 oral rat	> 5 g/kg
Aldehyde C-16 (77-83-8)	
LD50 oral rat	5470 mg/kg
Mentha arvensis oil (68917-18-0)	
LD50 oral rat	1240 mg/kg
LD50 oral	1200 mg/kg bodyweight
Benzene carboxaldehyde (100-52-7)	
LD50 oral rat	1292 mg/kg
LD50 dermal rabbit	> 1250 mg/kg
Ethyl acetoacetate (141-97-9)	
LD50 oral rat	3980 mg/kg
LD50 dermal rabbit	> 5000 mg/kg
Ethyl butyrate (105-54-4)	
LD50 oral rat	13 g/kg
Hydratropic aldehyde dimethyl acetal (90-87-9)	
LD50 oral rat	1850 mg/kg
LD50 oral	1850 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)
Phenylacetaldehyde (122-78-1)	
LD50 oral	1550 mg/kg bodyweight
LD50 dermal	2500 mg/kg bodyweight
Anise oil (Spanish) (8007-70-3)	
LD50 oral rat	2250 mg/kg
LC50 inhalation rat (Dust/Mist - mg/l/4h)	1.5 mg/l/4h
Allyl caproate (123-68-2)	
LD50 oral	300 mg/kg bodyweight
LD50 dermal	300 mg/kg bodyweight
LC50 inhalation rat (Vapours - mg/l/4h)	3 mg/l/4h
cis-3-Hexenyl acetate (3681-71-8)	
LD50 oral rat	> 5 g/kg
Styralyl acetate (93-92-5)	
LD50 oral rat	> 5 g/kg

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Cyclamal (103-95-7)	
LD50 oral rat	3810 mg/kg
LD50 oral	3810 mg/kg bodyweight
Triplal (Vertocitral) (68039-49-6)	
LD50 oral	3900 mg/kg bodyweight
Leaf alcohol (928-96-1)	
LD50 oral rat	4700 mg/kg
LD50 dermal rabbit	5000 mg/kg
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
Geranyl acetate (105-87-3)	
LD50 oral rat	6330 mg/kg
Rose oxide (16409-43-1)	
LD50 oral rat	4300 mg/kg
LD50 oral	4300 mg/kg bodyweight
Geranium oil Egyptian (8000-46-2)	
LD50 dermal	2500 mg/kg bodyweight
Isomenthone (491-07-6)	
LD50 oral	2500 mg/kg bodyweight
Dimethyl octanol (106-21-8)	
LD50 oral rat	> 5 g/kg
LD50 dermal rabbit	2400 mg/kg
LD50 dermal	2400 mg/kg bodyweight
Geranyl formate (105-86-2)	
LD50 oral rat	> 6 g/kg
Dimethyl sulfide (75-18-3)	
LD50 oral rat	535 mg/kg
LD50 oral	3500 mg/kg bodyweight
LD50 dermal rabbit	> 5000 mg/kg
LC50 inhalation rat (ppm)	40250 ppm/4h
Phenylmethanol (100-51-6)	
LD50 oral rat	1230 mg/kg
LD50 oral	1620 mg/kg bodyweight
LD50 dermal	2500 mg/kg bodyweight
Diphenyl oxide (101-84-8)	
LD50 oral rat	2450 mg/kg
LD50 oral	2830 mg/kg bodyweight
LD50 dermal rabbit	> 7940 mg/kg
LC50 inhalation rat (Dust/Mist - mg/l/4h)	1.5 mg/l/4h
Methyl isoeugenol (93-16-3)	
LD50 oral rat	2500 mg/kg
LD50 oral	2500 mg/kg bodyweight
Hexylene Glycol (107-41-5)	
LD50 oral rat	3700 mg/kg
LD50 dermal rabbit	12300 mg/kg
LC50 inhalation rat (mg/l)	> 310 mg/m³ (Exposure time: 1 h)
Dimetol (13254-34-7)	
LD50 oral rat	6800 mg/kg
Citronellyl formate (105-85-1)	
LD50 oral rat	8400 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	: Suspected of causing cancer.

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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	: Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1. Toxicity

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

Citronellol Pure (106-22-9)	
LD50 dermal rabbit	2650 mg/kg
LD50 oral rat	3450 mg/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

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

Hexyl cinnamic aldehyde (101-86-0)	
LD50 dermal rabbit	> 3000 mg/kg
LD50 oral rat	3100 mg/kg

Benzyl acetate (140-11-4)	
Partition coefficient n-octanol/water (Log Pow)	1.96
LD50 dermal rabbit	> 5000 mg/kg
LD50 oral rat	2490 mg/kg

Verdox (88-41-5)	
LD50 oral rat	4600 mg/kg

Terpineol (8000-41-7)	
LD50 dermal rabbit	> 3000 mg/kg
LD50 oral rat	2900 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

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

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Lemon oil (8008-56-8)	
LD50 oral rat	2840 mg/kg
Aldehyde C-14 (104-67-6)	
LC50 fish 1	569 mg/l 96 h
EC50 Daphnia 1	5.85 mg/l 48 h
EC50 other aquatic organisms 1	5.94 mg/l 72 h
LD50 oral rat	18500 mg/kg
Citronellyl acetate (mixed isomers) (150-84-5)	
LC50 fish 1	6.1 mg/l (Exposure time: 96 h - Species: Danio rerio [semi-static])
LD50 oral rat	6800 mg/kg
Allyl cyclohexylpropionate (2705-87-5)	
LC50 fish 1	0.13 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
LD50 oral rat	585 mg/kg
Lylal (31906-04-4)	
LD50 oral rat	3250 µl/kg
Rose crystals (90-17-5)	
LD50 oral rat	6800 mg/kg
Dihydromyrcenol (18479-58-8)	
LD50 dermal rabbit	> 5 g/kg
LD50 oral rat	3600 mg/kg
Phenylethyl phenylacetate (102-20-5)	
LD50 oral rat	15 g/kg
Hydroxy (107-75-5)	
LD50 oral rat	> 5 g/kg
Aldehyde C-16 (77-83-8)	
LC50 fish 1	4.2 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [semi-static])
LD50 oral rat	5470 mg/kg
Mentha arvensis oil (68917-18-0)	
LD50 oral rat	1240 mg/kg
Benzene carboxaldehyde (100-52-7)	
LC50 fish 1	10.6 – 11.8 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [flow-through])
LC50 fish 2	12.69 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
BCF fish 1	(no significant bioaccumulation)
Partition coefficient n-octanol/water (Log Pow)	1.48 (at 20 °C)
LD50 dermal rabbit	> 1250 mg/kg
LD50 oral rat	1292 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
Ethyl butyrate (105-54-4)	
LD50 oral rat	13 g/kg
Hydratropic aldehyde dimethyl acetal (90-87-9)	
LD50 oral rat	1850 mg/kg
Butylphenyl methylpropional (80-54-6)	
LC50 fish 1	2.2 – 4.6 mg/l (Exposure time: 96 h - Species: Brachydanio rerio [static])
EC50 Daphnia 1	10.7 mg/l (Exposure time: 48 h - Species: Daphnia magna)
Partition coefficient n-octanol/water (Log Pow)	4.2 (at 24 °C)
LD50 dermal rabbit	> 5000 mg/kg
LD50 oral rat	1390 mg/kg
Anise oil (Spanish) (8007-70-3)	
LD50 oral rat	2250 mg/kg
Allyl caproate (123-68-2)	
LC50 fish 1	0.117 mg/l (Exposure time: 96 h - Species: Danio rerio [semi-static])

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cis-3-Hexenyl acetate (3681-71-8)	
LC50 fish 1	13 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [semi-static])
LD50 oral rat	> 5 g/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
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
Indole crystals (120-72-9)	
LD50 dermal rabbit	790 mg/kg
LD50 oral rat	1 g/kg
Geranyl acetate (105-87-3)	
LD50 oral rat	6330 mg/kg
Rose oxide (16409-43-1)	
LD50 oral rat	4300 mg/kg
Dimethyl octanol (106-21-8)	
LD50 dermal rabbit	2400 mg/kg
LD50 oral rat	> 5 g/kg
Geranyl formate (105-86-2)	
LD50 oral rat	> 6 g/kg
Dimethyl sulfide (75-18-3)	
LC50 fish 1	213 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [semi-static])
EC50 Daphnia 1	23 mg/l (Exposure time: 48 h - Species: Daphnia pulex)
LD50 dermal rabbit	> 5000 mg/kg
LD50 oral rat	535 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
Diphenyl oxide (101-84-8)	
BCF fish 1	470
Partition coefficient n-octanol/water (Log Pow)	4.2
LD50 dermal rabbit	> 7940 mg/kg
LD50 oral rat	2450 mg/kg
Methyl isoeugenol (93-16-3)	
LD50 oral rat	2500 mg/kg
Hexylene Glycol (107-41-5)	
LC50 fish 1	10.5 (10500 – 11000) mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
LC50 fish 2	10000 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
EC50 Daphnia 1	2.7 (2700 – 3700) mg/l (Exposure time: 48 h - Species: Daphnia magna)
Partition coefficient n-octanol/water (Log Pow)	< 0.14
LD50 dermal rabbit	12300 mg/kg
LD50 oral rat	3700 mg/kg
Dimetol (13254-34-7)	
LD50 oral rat	6800 mg/kg
Citronellyl formate (105-85-1)	
LD50 oral rat	8400 mg/kg
12.2. Persistence and degradability	
Cherry Blossom #21027F	
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.
Geranium oil Egyptian (8000-46-2)	
Persistence and degradability	May cause long-term adverse effects in the environment.
12.3. Bioaccumulative potential	
Cherry Blossom #21027F	
Bioaccumulative potential	Not established.
Phenylethyl alcohol (60-12-8)	
Partition coefficient n-octanol/water (Log Pow)	See section 12.1 on ecotoxicology
Benzyl acetate (140-11-4)	
Partition coefficient n-octanol/water (Log Pow)	See section 12.1 on ecotoxicology
Benzyl benzoate (120-51-4)	
Partition coefficient n-octanol/water (Log Pow)	See section 12.1 on ecotoxicology
Bioaccumulative potential	Not established.
Benzene carboxaldehyde (100-52-7)	
BCF fish 1	See section 12.1 on ecotoxicology
Partition coefficient n-octanol/water (Log Pow)	See section 12.1 on ecotoxicology
Ethyl acetoacetate (141-97-9)	
Partition coefficient n-octanol/water (Log Pow)	See section 12.1 on ecotoxicology
Butylphenyl methylpropional (80-54-6)	
Partition coefficient n-octanol/water (Log Pow)	See section 12.1 on ecotoxicology
Geranium oil Egyptian (8000-46-2)	
Bioaccumulative potential	Not established.
Phenylmethanol (100-51-6)	
Partition coefficient n-octanol/water (Log Pow)	See section 12.1 on ecotoxicology
Diphenyl oxide (101-84-8)	
BCF fish 1	See section 12.1 on ecotoxicology
Partition coefficient n-octanol/water (Log Pow)	See section 12.1 on ecotoxicology
Hexylene Glycol (107-41-5)	
Partition coefficient n-octanol/water (Log Pow)	See section 12.1 on ecotoxicology
12.4. Mobility in soil	
Cherry Blossom #21027F	
Mobility in soil	No additional information available
Phenylethyl alcohol (60-12-8)	
Partition coefficient n-octanol/water (Log Pow)	See section 12.1 on ecotoxicology
Benzyl acetate (140-11-4)	
Partition coefficient n-octanol/water (Log Pow)	See section 12.1 on ecotoxicology
Benzyl benzoate (120-51-4)	
Partition coefficient n-octanol/water (Log Pow)	See section 12.1 on ecotoxicology
Benzene carboxaldehyde (100-52-7)	
Partition coefficient n-octanol/water (Log Pow)	See section 12.1 on ecotoxicology
Ethyl acetoacetate (141-97-9)	
Partition coefficient n-octanol/water (Log Pow)	See section 12.1 on ecotoxicology
Butylphenyl methylpropional (80-54-6)	
Partition coefficient n-octanol/water (Log Pow)	See section 12.1 on ecotoxicology
Phenylmethanol (100-51-6)	
Partition coefficient n-octanol/water (Log Pow)	See section 12.1 on ecotoxicology
Diphenyl oxide (101-84-8)	
Partition coefficient n-octanol/water (Log Pow)	See section 12.1 on ecotoxicology
Hexylene Glycol (107-41-5)	
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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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.
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. (Vertofix)
Proper Shipping Name (IATA)	: Environmentally hazardous substance, liquid, n.o.s. (Vertofix)

14.3. Transport hazard class(es)

UN RTDG

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

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



IATA

Transport hazard class(es) (IATA)	: 9
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

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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

Citronellol Pure (106-22-9)

Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR003483

Phenylethyl alcohol (60-12-8)

Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR003487

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

Terpineol (8000-41-7)

Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR003269

Benzyl benzoate (120-51-4)

Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR003504

Lemon oil (8008-56-8)

Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR003520

Aldehyde C-14 (104-67-6)

Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR003507

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Lylal (31906-04-4)

Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR003512

Hydroxy (107-75-5)

Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR003314

Benzene carboxaldehyde (100-52-7)

Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR001395

Ethyl 2-methylbutyrate (7452-79-1)

Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR005554

Ethyl acetoacetate (141-97-9)

Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR005690

Ethyl butyrate (105-54-4)

Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR001146

Anise oil (Spanish) (8007-70-3)

Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR003729

Triplal (Vertocitral) (68039-49-6)

Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR003489

Leaf alcohol (928-96-1)

Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR003488

Indole crystals (120-72-9)

Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR003479

Geranium oil Egyptian (8000-46-2)

Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR007380

Dimethyl octanol (106-21-8)

Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR003232

Phenylmethanol (100-51-6)

Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR001039

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Diphenyl oxide (101-84-8)

Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR003050

Rosalva (13019-22-2)

Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR005581

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Issue date : 3/30/2020

Other information : None.

Full text of H-statements:

3.1B: Flam. Liq. 2	3.1B: Flammable liquids, Category 2
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 (Inhalation:dust,mist)	6.1D: Acute toxicity (inhalation:dust,mist) Category 4
6.1D: Acute Tox. 4 (Inhalation:gas)	6.1D: Acute toxicity (inhalation:gas) 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
6.3A: 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
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

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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
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H227	Combustible liquid
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H303	May be harmful if swallowed
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.
H332	Harmful if inhaled.
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.
H432	Toxic to terrestrial vertebrates
H433	Harmful to terrestrial vertebrates

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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