



Grapefruit #17944

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: 17/02/2020

Revision date: 03/04/2020

Supersedes: 2.0

Version: 3.0

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

1.1 Product identifier

Product name : Grapefruit #17944
Product form : Mixture
Product code : 17944F

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
34 B WILLIAM PICKERING DRIVE
ROSEDALE, AUCKLAND, 0632
NEW ZEALAND
T 09-448-1920
info@candlecreations.co.nz – www.candlecreations.co.nz

1.5 Emergency phone number

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

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

9.3C	Ecotoxicity to terrestrial vertebrates C
3.1D	Flammable liquids, Category 4
6.3A	Skin corrosion/irritation, Category 2
6.5B	Skin sensitisation, Category 1
6.8B	Reproductive toxicity, Category 2
9.1C	Hazardous to the aquatic environment — Chronic Hazard, Category 3

2.2 Label elements

GHS NZ labelling

Hazard pictograms (GHS NZ)



Signal word (GHS NZ)

: Warning

Contains

: Grapefruit oil (4.095 – 8.19 %) ; Hexyl cinnamic aldehyde (2 – 4 %) ; Iso E Super (1.25 – 2.5 %) ; Linalool (0.875 – 1.75 %) ; Lyrall (0.75 – 1.5 %) ; Geranyl acetate (0.5 – 1 %) ; Mayol (0.4 – 0.8 %) ; Hydroxy (0.375 – 0.75 %) ; Citronellol Pure (0.25 – 0.5 %) ; Butylphenyl methylpropional (0.1 – 0.2 %) ; Helional (0.1 – 0.2 %) ; 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.
H361 - Suspected of damaging fertility or the unborn child.
H412 - Harmful to aquatic life with long lasting effects.
H433 - Harmful to terrestrial vertebrates

Prevention

: P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P264 - Wash hands thoroughly after handling
P272 - Contaminated work clothing should not be allowed out of the workplace.

Response

: P332+P313 - If skin irritation 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
Hedione	(CAS-No.) 24851-98-7	2.75 – 5.5	Flam. Liq. Not classified Acute Tox. Not classified (Oral) 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
Iso E Super	(CAS-No.) 54464-57-2	1.25 – 2.5	Flam. Liq. Not classified 6.5B: Skin Sens. 1, H317 9.1B: Aquatic Chronic 2, H411
Linalool	(CAS-No.) 78-70-6	0.875 – 1.75	9.3C: Ecotoxicity to terrestrial vertebrates C, H433 3.1D: Flam. Liq. 4, H227 6.1E: Acute Tox. 5 (Oral), H303 6.1D: Acute Tox. 4 (Dermal), H312 6.3A: Skin Irrit. 2, H315 6.4A: Eye Irrit. 2, H319 6.5B: Skin Sens. 1, H317 9.1D: Aquatic Acute 3, H402
Lylal	(CAS-No.) 31906-04-4	0.75 – 1.5	Flam. Liq. Not classified 6.1E: Acute Tox. 5 (Oral), H303 6.5B: Skin Sens. 1, H317
Sandela	(CAS-No.) 66068-84-6	0.75 – 1.5	Flam. Liq. Not classified 6.3A: Skin Irrit. 2, H315 6.4A: Eye Irrit. 2, H319 9.1B: Aquatic Chronic 2, H411
Methyl ionone (mixture of isomers)	(CAS-No.) 1335-46-2	0.65 – 1.3	Flam. Liq. Not classified Acute Tox. Not classified (Oral) Acute Tox. Not classified (Dermal) 6.3A: Skin Irrit. 2, H315 6.4A: Eye Irrit. 2, H319 9.1D: Aquatic Acute 2, H401 9.1B: Aquatic Chronic 2, H411
Geranyl acetate	(CAS-No.) 105-87-3	0.5 – 1	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
Mayol	(CAS-No.) 13828-37-0	0.4 – 0.8	Flam. Liq. Not classified 6.5B: Skin Sens. 1, H317

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: IF exposed or concerned: Get medical advice/attention.
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.
First-aid measures after eye contact	: Rinse eyes with water as a precaution.
First-aid measures after ingestion	: 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	: Irritation. May cause an allergic skin reaction.
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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	: Water spray. Dry powder. Foam. Carbon dioxide.
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5.2. Special hazards arising from the substance or mixture

Fire hazard	: Combustible liquid.
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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.
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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. No open flames, no sparks, and no smoking. 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

Methods for cleaning up : Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.

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

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Wear personal protective equipment. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray.

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

7.2. Conditions for safe storage, including any incompatibilities

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

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

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 inadequate ventilation] wear respiratory protection.

Personal protective equipment symbol(s)



Environmental exposure controls : Avoid release to the environment.

SECTION 9: Physical and chemical properties

Physical state : Liquid

Appearance : No data available

Colour : light yellow, amber

Odour : characteristic

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Odour threshold	: No dataavailable
pH	: No dataavailable
Evaporation rate	: No data available
Relative evaporation rate (butylacetate=1)	: No dataavailable
Melting point / Freezing point	: Melting point : Not applicable
Boiling point	: No data available
Flash point	: 76.6 °C (closed cup) ASTM D7094
Auto-ignition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No dataavailable
Relative density	: No dataavailable
Density	: Relative density : ≈ 1
Solubility	: No dataavailable
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity, kinematic	: No dataavailable
Viscosity, dynamic	: No dataavailable
Explosive properties	: No dataavailable
Explosive limits	: No dataavailable
Minimum ignition energy	: No dataavailable

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	: Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.
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)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

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
Hedione (24851-98-7)	
LD50 oral rat	> 5 g/kg
Linalool (78-70-6)	
LD50 oral rat	2790 mg/kg
LD50 oral	2790 mg/kg bodyweight
LD50 dermal rabbit	2000 mg/kg
Methyl ionone (mixture of isomers) (1335-46-2)	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 5000 mg/kg
Lylal (31906-04-4)	
LD50 oral rat	3250 µl/kg
Geranyl acetate (105-87-3)	
LD50 oral rat	6330 mg/kg

Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Not classified
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

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

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Viscosity, kinematic	

SECTION 12: Ecological information

12.1. Toxicity

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

Hexyl cinnamic aldehyde (101-86-0)	
LD50 dermal rabbit	> 3000 mg/kg
LD50 oral rat	3100 mg/kg
Hedione (24851-98-7)	
LC50 fish 1	19 mg/l (Exposure time: 96 h - Species: Oryzias latipes [semi-static])
LD50 oral rat	> 5 g/kg
Linalool (78-70-6)	
LC50 fish 1	27.8 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	20 mg/l (Exposure time: 48 h - Species: Daphnia magna)
Partition coefficient n-octanol/water (Log Pow)	2.84 – 3.1 (at 25 °C)
LD50 dermal rabbit	2000 mg/kg
LD50 oral rat	2790 mg/kg
Methyl ionone (mixture of isomers) (1335-46-2)	
LC50 fish 1	2.3 mg/l (Exposure time: 96 h - Species: Danio rerio [static])
LD50 dermal rabbit	> 5000 mg/kg
LD50 oral rat	> 5000 mg/kg
Lylal (31906-04-4)	
LD50 oral rat	3250 µl/kg
Geranyl acetate (105-87-3)	
LD50 oral rat	6330 mg/kg

12.2. Persistence and degradability

Grapefruit #17944	
Persistence and degradability	No additional information available

12.3. Bioaccumulative potential

Grapefruit #17944	
Bioaccumulative potential	No additional information available
Linalool (78-70-6)	
Partition coefficient n-octanol/water (Log Pow)	See section 12.1 on ecotoxicology

12.4. Mobility in soil

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Mobility in soil	No additional information available
Linalool (78-70-6)	
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

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14.1. UN number

Not regulated for transport

14.2. Proper Shipping Name

Proper Shipping Name (UN RTDG) : Not applicable

Proper Shipping Name (IMDG) : Not applicable

Proper Shipping Name (IATA) : Not applicable

14.3. Transport hazard class(es)

UN RTDG

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

IMDG

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

IATA

Transport hazard class(es) (IATA) : Not applicable

14.4. Packing group

Packing group (UN RTDG) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : False

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

UN RTDG

No data available

IMDG

No data available

IATA

No data available

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

Not applicable

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

Linalool (78-70-6)

Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR003500

Lyrar (31906-04-4)

Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR003512

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Date of issue : 2/17/2020

Full text of H-statements:

3.1D: Flam. Liq. 4	3.1D: Flammable liquids, Category 4
6.1D: Acute Tox. 4 (Dermal)	6.1D: Acute toxicity (dermal), Category 4

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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
6.8B: Repr. 2	6.8B: Reproductive toxicity, Category 2
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
9.3C: 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
Flam. Liq. Not classified	Flammable liquids Not classified
H227	Combustible liquid
H303	May be harmful if swallowed
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H361	Suspected of damaging fertility or the unborn child.
H401	Toxic to aquatic life
H402	Harmful to aquatic life
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
H433	Harmful to terrestrial vertebrates

CANDLE CREATIONS SDS NEW ZEALAND

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

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