



Hot Apple Pie #1685F

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: 01/05/2020 Revision date: 02/02/2021 Supersedes: v1.0 Version: 2.0.

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

1.1 Product identifier

Product name : Hot Apple Pie #1685F
Product form : Mixture
Type of product : Perfumes, fragrances
Product code : 1685F

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
3.1D	Flammable liquids, Category 4
6.1D	Acute toxicity (oral), Category 4
6.1E	Acute toxicity (dermal), Category 5
8.2A	Skin corrosion/irritation, Category 1A
8.3A	Serious eye damage/eye irritation, Category 1
6.5B	Skin sensitisation, Category 1
9.1D	Hazardous to the aquatic environment — Acute Hazard, Category 3
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

: Phenylpropyl alcohol (5 – 11.2 %) ; Coumarin crystals (2.852 – 9.2 %) ; Eugenol (2.542 – 8.2 %) ; Benzyl benzoate (1 – 4 %) ; Cinnamic aldehyde (0.992 – 3.2 %) ; Methyl cinnamate (0.744 – 2.4 %) ; Clove leaf oil (0.496 – 1.6 %) ; Eucalyptus oil (0.31 – 1 %) ; Linalyl acetate (0.1 – 1 %) ; Linalool (0.1 – 1 %)

Hazard statements (GHS NZ)

: H227 - Combustible liquid
H302 - Harmful if swallowed.
H313 - May be harmful in contact with skin
H314 - Causes severe skin burns and eye damage.
H317 - May cause an allergic skin reaction.
H402 - Harmful to aquatic life
H411 - Toxic to aquatic life with long lasting effects.
H432 - Toxic to terrestrial vertebrates

Prevention

: P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P260 - Do not breathe dust/fume/gas/mist/vapours/spray.
P264 - Wash hands thoroughly after handling
P270 - Do not eat, drink or smoke when using this product.
P272 - Contaminated work clothing should not be allowed out of the workplace.

Response

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

Hot Apple Pie #1685F

Safety Data Sheet

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
Verdcox	(CAS-No.) 88-41-5	18.4 – 38.4	3.1D: Flam. Liq. 4, H227 6.1E: Acute Tox. 5 (Oral), H303 9.1B: Aquatic Chronic 2, H411
Phenylpropyl alcohol	(CAS-No.) 122-97-4	5 – 11.2	Flam. Liq. Not classified 8.2A: Skin Corr. 1A, H314 8.3A: Eye Dam. 1, H318
Diethyl malonate	(CAS-No.) 105-53-3	3.1 – 10	3.1D: Flam. Liq. 4, H227 Acute Tox. Not classified (Oral) 6.4A: Eye Irrit. 2, H319 9.1D: Aquatic Acute 3, H402
Coumarin crystals	(CAS-No.) 91-64-5	2.852 – 9.2	6.1C: Acute Tox. 3 (Oral), H301 6.1C: Acute Tox. 3 (Dermal), H311 6.5B: Skin Sens. 1, H317 9.1B: Aquatic Chronic 2, H411
Eugenol	(CAS-No.) 97-53-0	2.542 – 8.2	9.3C: Ecotoxicity to terrestrial vertebrates C, H433 Flam. Liq. Not classified 6.1D: Acute Tox. 4 (Oral), H302 6.4A: Eye Irrit. 2, H319 6.5B: Skin Sens. 1, H317 9.1D: Aquatic Acute 3, H402
Benzyl benzoate	(CAS-No.) 120-51-4	1 – 4	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
Ethyl acetoacetate	(CAS-No.) 141-97-9	1.116 – 3.6	3.1D: Flam. Liq. 4, H227 6.1E: Acute Tox. 5 (Oral), H303 Acute Tox. Not classified (Dermal) Aquatic Acute Not classified
Cinnamic aldehyde	(CAS-No.) 104-55-2	0.992 – 3.2	9.3C: Ecotoxicity to terrestrial vertebrates C, H433 Flam. Liq. Not classified 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
Aldehyde C-14	(CAS-No.) 104-67-6	0.93 – 3	Flam. Liq. Not classified Acute Tox. Not classified (Oral) 9.1D: Aquatic Acute 2, H401 9.1C: Aquatic Chronic 3, H412
Methyl cinnamate	(CAS-No.) 103-26-4	0.744 – 2.4	6.1E: Acute Tox. 5 (Oral), H303 6.5B: Skin Sens. 1, H317 9.1D: Aquatic Acute 2, H401
Clove leaf oil	(CAS-No.) 8000-34-8	0.496 – 1.6	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 6.4A: Eye Irrit. 2, H319 6.5B: Skin Sens. 1, H317 6.1E: Asp. Tox. 1, H304
Ethyl 2-methylbutyrate	(CAS-No.) 7452-79-1	0.1–1	3.1C: Flam. Liq. 3, H226
Isobornyl acetate	(CAS-No.) 125-12-2	0.1–1	3.1D: Flam. Liq. 4, H227 Acute Tox. Not classified (Oral) Acute Tox. Not classified (Dermal) Aquatic Acute Not classified
cis-3-Hexenyl acetate	(CAS-No.) 3681-71-8	0.1–1	3.1C: Flam. Liq. 3, H226 Acute Tox. Not classified (Oral) 9.1D: Aquatic Acute 3, H402
Linalyl acetate	(CAS-No.) 115-95-7	0.1–1	3.1D: Flam. Liq. 4, H227 Acute Tox. Not classified (Oral) Acute Tox. Not classified (Dermal) 6.3A: Skin Irrit. 2, H315 6.4A: Eye Irrit. 2, H319 6.5B: Skin Sens. 1, H317 9.1D: Aquatic Acute 3, H402

Hot Apple Pie #1685F

Safety Data Sheet

Name	Product identifier	%	Classification according to GHS NZ
Leaf alcohol	(CAS-No.) 928-96-1	0.1–1	3.1C: Flam. Liq. 3, H226 6.1E: Acute Tox. 5 (Oral), H303 6.1E: Acute Tox. 5 (Dermal), H313 6.4A: Eye Irrit. 2, H319 Aquatic Acute Not classified
Linalool	(CAS-No.) 78-70-6	0.1–1	3.1D: Flam. Liq. 4, H227 6.3A: Skin Irrit. 2, H315 6.4A: Eye Irrit. 2, H319 6.5B: Skin Sens. 1, H317
Vanillin	(CAS-No.) 121-33-5	0.1–1	Acute Tox. Not classified (Dermal) 6.4A: Eye Irrit. 2, H319 9.1D: Aquatic Acute 3, H402

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). Call a physician immediately.
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	: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Rinse skin with water/shower. Take off immediately all contaminated clothing. Call a physician immediately.
First-aid measures after eye contact	: Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention. Do not induce vomiting. Call a physician immediately.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects	: Not expected to present a significant hazard under anticipated conditions of normal use.
Symptoms/effects after skin contact	: Irritation. May cause an allergic skin reaction. Burns.
Symptoms/effects after eye contact	: Eye irritation. Serious damage to eyes.
Symptoms/effects after ingestion	: Burns.

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	: Sand. Water spray. Dry powder. Foam. Carbon dioxide.
Unsuitable extinguishing media	: Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Fire hazard	: Combustible liquid.
Explosion hazard	: May form flammable/explosive vapour-air mixture.
General measures	: Remove ignition sources. Use special care to avoid static electric charges. No open flames. No smoking.

5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions	: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection. Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
EAC code	: •3Z - •3Z

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Remove ignition sources. Use special care to avoid static electric charges. No open flames. No smoking.
------------------	---

6.1.1. For non-emergency personnel

Emergency procedures	: Ventilate spillage area. Evacuate unnecessary personnel. No open flames, no sparks, and no smoking. Avoid contact with skin, eyes and clothing. Do not breathe dust/fume/gas/mist/vapours/spray.
----------------------	--

Hot Apple Pie #1685F

Safety Data Sheet

6.1.2. For emergency responders

Protective equipment	: Do not attempt to take action without suitable protective equipment. Equip cleanup crew with proper protection. For further information refer to section 8: "Exposure controls/personal protection".
Emergency procedures	: Ventilate area.

6.2. Environmental precautions

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

6.3. Methods and material for containment and cleaning up

For containment	: Collect spillage.
Methods for cleaning up	: Take up liquid spill into absorbent material. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials. Notify authorities if product enters sewers or public waters.

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

7.1. Precautions for safe handling

Additional hazards when processed	: Handle empty containers with care because residual vapours are flammable. Keep away from heat, 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. Wear personal protective equipment. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not get in eyes, on skin, or on clothing. Do not breathe dust/fume/gas/mist/vapours/spray.
Hygiene measures	: Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Contaminated work clothing should not be allowed out of the workplace.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures	: Proper grounding procedures to avoid static electricity should be followed.
Storage conditions	: Keep 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. Store locked up.
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

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	: 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)	

Hot Apple Pie #1685F

Safety Data Sheet



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	: 82.22 °C (closed cup) ASTM D7094
Auto-ignition temperature	: No data available
Flammability (solid, gas)	: Combustible liquid
Vapour pressure	: No data available
Relative density	: No data available
Density	: Relative density : ≈ 1.11
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Explosive limits	: No data available
Minimum ignition energy	: No data available

SECTION 10: Stability and reactivity

Reactivity	: The product is non-reactive under normal conditions of use, storage and transport.
Chemical stability	: Combustible liquid. May form flammable/explosive vapour-air mixture.
Possibility of hazardous reactions	: Not established.
Conditions to avoid	: Direct sunlight. Extremely high or low temperatures. Open flame. Overheating. Heat. Sparks. Avoid contact with hot surfaces. No flames, no sparks. Eliminate all sources of ignition.
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)	: Harmful if swallowed.
Acute toxicity (dermal)	: May be harmful in contact with skin.
Acute toxicity (inhalation)	: Not classified

ATE NZ (oral)	851.548 mg/kg bodyweight
ATE NZ (Dermal)	2813.756 mg/kg bodyweight
Verdox (88-41-5)	
LD50 oral rat	4600 mg/kg
LD50 oral	4600 mg/kg bodyweight
Phenylpropyl alcohol (122-97-4)	
LD50 oral	2275 mg/kg bodyweight
LD50 dermal	5000 mg/kg bodyweight
Diethyl malonate (105-53-3)	
LD50 oral rat	14900 µl/kg
Coumarin crystals (91-64-5)	
LD50 oral rat	> 5000 mg/kg
LD50 oral	500 mg/kg bodyweight

Hot Apple Pie #1685F

Safety Data Sheet

Coumarin crystals (91-64-5)	
LD50 dermal rat	> 2000 mg/kg
Eugenol (97-53-0)	
LD50 oral rat	1930 mg/kg
LD50 oral	2500 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
Ethyl acetoacetate (141-97-9)	
LD50 oral rat	3980 mg/kg
LD50 dermal rabbit	> 5000 mg/kg
Cinnamic aldehyde (104-55-2)	
LD50 oral rat	2220 mg/kg
LD50 oral	2500 mg/kg bodyweight
LD50 dermal rabbit	1260 mg/kg
LD50 dermal	1100 mg/kg bodyweight
Aldehyde C-14 (104-67-6)	
LD50 oral rat	18500 mg/kg
Methyl cinnamate (103-26-4)	
LD50 oral rat	2610 mg/kg
LD50 oral	2610 mg/kg bodyweight
Clove leaf oil (8000-34-8)	
LD50 oral rat	1370 mg/kg
LD50 oral	2650 mg/kg bodyweight
LD50 dermal rabbit	1200 mg/kg
LD50 dermal	2500 mg/kg bodyweight
Vanillin (121-33-5)	
LD50 dermal rabbit	> 5010 mg/kg
Isobornyl acetate (125-12-2)	
LD50 oral rat	9050 mg/kg
LD50 dermal rabbit	> 20000 mg/kg
Linalyl acetate (115-95-7)	
LD50 oral rat	14550 mg/kg
LD50 dermal rabbit	> 5000 mg/kg
Linalool (78-70-6)	
LD50 oral	2790 mg/kg bodyweight
Leaf alcohol (928-96-1)	
LD50 oral rat	4700 mg/kg
LD50 dermal rabbit	5000 mg/kg
cis-3-Hexenyl acetate (3681-71-8)	
LD50 oral rat	> 5 g/kg

Skin corrosion/irritation	: Causes severe skin burns.
Serious eye damage/irritation	: Causes serious eye damage.
Respiratory or skin sensitisation	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

Hot Apple Pie #1685F	
Viscosity, kinematic	
Potential adverse human health effects and symptoms	: Based on available data, the classification criteria are not met.

Hot Apple Pie #1685F

Safety Data Sheet

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: Toxic to aquatic life with long lasting effects. Harmful to aquatic life.
Ecology - water	: Toxic to aquatic life with long lasting effects.
Hazardous to the aquatic environment, short-term (acute)	: Harmful 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
Other information	: Avoid release to the environment.

Verdox (88-41-5)	
LD50 oral rat	4600 mg/kg
Diethyl malonate (105-53-3)	
LC50 fish 1	10.3 – 13.4 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 Daphnia 1	202.3 mg/l (Exposure time: 48 h - Species: Daphnia magna)
EC50 72h algae (1)	508.2 mg/l (Species: Desmodesmus subspicatus)
Partition coefficient n-octanol/water (Log Pow)	0.96
LD50 oral rat	14900 µl/kg
Coumarin crystals (91-64-5)	
	> 2000 mg/kg
LD50 oral rat	> 5000 mg/kg
Eugenol (97-53-0)	
LC50 fish 1	13 mg/l (Exposure time: 96 h - Species: Danio rerio [semi-static])
LD50 oral rat	1930 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
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
Cinnamic aldehyde (104-55-2)	
Partition coefficient n-octanol/water (Log Pow)	2.22 (at 18 °C)
LD50 dermal rabbit	1260 mg/kg
LD50 oral rat	2220 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
Methyl cinnamate (103-26-4)	
LC50 fish 1	2.76 mg/l (Exposure time: 96 h - Species: Danio rerio [static])
LD50 oral rat	2610 mg/kg
Clove leaf oil (8000-34-8)	
LD50 dermal rabbit	1200 mg/kg
LD50 oral rat	1370 mg/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])

Hot Apple Pie #1685F

Safety Data Sheet

Vanillin (121-33-5)	
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
Isobornyl acetate (125-12-2)	
LC50 fish 1	10.0 – 18.0 mg/l (Exposure time: 96 h - Species: Brachydanio rerio [static])
Partition coefficient n-octanol/water (Log Pow)	3.5
LD50 dermal rabbit	> 20000 mg/kg
LD50 oral rat	9050 mg/kg
Linalyl acetate (115-95-7)	
LC50 fish 1	11 mg/l (Exposure time: 96 h - Species: Cyprinus carpio [flow-through])
LD50 dermal rabbit	> 5000 mg/kg
LD50 oral rat	14550 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
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

12.2. Persistence and degradability

Hot Apple Pie #1685F	
Persistence and degradability	May cause long-term adverse effects in the environment. Not established.
Benzyl benzoate (120-51-4)	
Persistence and degradability	May cause long-term adverse effects in the environment.
Methyl cinnamate (103-26-4)	
Persistence and degradability	Not established.

12.3. Bioaccumulative potential

Hot Apple Pie #1685F	
Bioaccumulative potential	Not established.
Diethyl malonate (105-53-3)	
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.
Ethyl acetoacetate (141-97-9)	
Partition coefficient n-octanol/water (Log Pow)	See section 12.1 on ecotoxicology
Cinnamic aldehyde (104-55-2)	
Partition coefficient n-octanol/water (Log Pow)	See section 12.1 on ecotoxicology
Methyl cinnamate (103-26-4)	
Bioaccumulative potential	Not established.
Vanillin (121-33-5)	
Partition coefficient n-octanol/water (Log Pow)	See section 12.1 on ecotoxicology
Isobornyl acetate (125-12-2)	
Partition coefficient n-octanol/water (Log Pow)	See section 12.1 on ecotoxicology

12.4. Mobility in soil

Hot Apple Pie #1685F	
Mobility in soil	No additional information available
Diethyl malonate (105-53-3)	
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
Ethyl acetoacetate (141-97-9)	
Partition coefficient n-octanol/water (Log Pow)	See section 12.1 on ecotoxicology
Cinnamic aldehyde (104-55-2)	
Partition coefficient n-octanol/water (Log Pow)	See section 12.1 on ecotoxicology

Hot Apple Pie #1685F

Safety Data Sheet

Vanillin (121-33-5)	
Partition coefficient n-octanol/water (Log Pow)	See section 12.1 on ecotoxicology
Isobornyl acetate (125-12-2)	
Partition coefficient n-octanol/water (Log Pow)	See section 12.1 on ecotoxicology

12.5. Other adverse effects

Ozone	: Not classified
Other adverse effects	: No additional information available

SECTION 13: Disposal considerations

Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Product/Packaging disposal recommendations	: Dispose 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. (Verdorex)
Proper Shipping Name (IATA)	: Environmentally hazardous substance, liquid, n.o.s. (Verdorex)

14.3. Transport hazard class(es)

UN RTDG

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



IMDG

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



IATA

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



14.4. Packing group

Packing group (UN RTDG)	: Not applicable
Packing group (IMDG)	: III
Packing group (IATA)	: III

14.5. Environmental hazards

Dangerous for the environment	: True
Marine pollutant	: Yes
Other information	: No supplementary information available

Hot Apple Pie #1685F

Safety Data Sheet

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

Diethyl malonate (105-53-3)

Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR006270

Coumarin crystals (91-64-5)

Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR003237

Eugenol (97-53-0)

Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR003486

Benzyl benzoate (120-51-4)

Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR003504

Ethyl acetoacetate (141-97-9)

Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR005690

Hot Apple Pie #1685F

Safety Data Sheet

Cinnamic aldehyde (104-55-2)

Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR002786

Aldehyde C-14 (104-67-6)

Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR003507

Clove leaf oil (8000-34-8)

Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR005666

Vanillin (121-33-5)

Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR003498

Isobornyl acetate (125-12-2)

Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR003572

Ethyl 2-methylbutyrate (7452-79-1)

Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR005554

Linalyl acetate (115-95-7)

Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR003499

Leaf alcohol (928-96-1)

Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR003488

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Issue date : 5/1/2020

Other information : None.

Full text of H-statements:

3.1C: Flam. Liq. 3	3.1C: Flammable liquids, Category 3
3.1D: Flam. Liq. 4	3.1D: Flammable liquids, Category 4
6.1C: Acute Tox. 3 (Dermal)	6.1C: Acute toxicity (dermal), Category 3
6.1C: Acute Tox. 3 (Oral)	6.1C: Acute toxicity (oral), Category 3
6.1D: Acute Tox. 4 (Dermal)	6.1D: Acute toxicity (dermal), Category 4
6.1D: Acute Tox. 4 (Oral)	6.1D: Acute toxicity (oral), Category 4
6.1E: Acute Tox. 5 (Dermal)	6.1E: Acute toxicity (dermal), Category 5
6.1E: Acute Tox. 5 (Oral)	6.1E: Acute toxicity (oral), Category 5
6.1E: Asp. Tox. 1	6.1E: Aspiration hazard, Category 1
6.3A: Skin Irrit. 2	6.3A: Skin corrosion/irritation, Category 2
6.4A: Eye Irrit. 2	6.4A: Serious eye damage/eye irritation, Category 2

Hot Apple Pie #1685F

Safety Data Sheet

6.5B: Skin Sens. 1	6.5B: Skin sensitisation, Category 1
8.2A: Skin Corr. 1A	8.2A: Skin corrosion/irritation, Category 1A
8.3A: Eye Dam. 1	8.3A: Serious eye damage/eye irritation, 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
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H303	May be harmful if swallowed
H304	May be fatal if swallowed and enters airways.
H311	Toxic in contact with skin.
H312	Harmful in contact with skin.
H313	May be harmful in contact with skin
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
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.
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