



Black Raspberry Vanilla #12196F

Safety Data Sheet

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: 14/12/2020 Revision date: 19/03/2021 Supersedes: V1.0 Version: 2.0

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

1.1 Product identifier

Product name : Black Raspberry Vanilla #12196F
Product form : Mixture
Type of product : Perfumes, fragrances
Product code : 12196F

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
6.1E Flammable liquids Not classified
6.3B Acute toxicity (oral), Category 5
6.5B Skin corrosion/irritation, Category 3
9.1D Skin sensitisation, Category 1
9.1B Hazardous to the aquatic environment — Acute Hazard, Category 2
Hazardous to the aquatic environment — Chronic Hazard, Category 2

2.2. Label elements

GHS NZ labelling

Hazard pictograms (GHS NZ)



Signal word (GHS NZ) : Warning

Hazard statements (GHS NZ)

: H303 - May be harmful if swallowed
H316 - Causes mild skin irritation
H317 - May cause an allergic skin reaction.
H401 - Toxic to aquatic life
H411 - Toxic to aquatic life with long lasting effects.
H432 - Toxic to terrestrial vertebrates
Prevention : P272 - Contaminated work clothing should not be allowed out of the workplace.
P273 - Avoid release to the environment.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
Response : P302+P352 - IF ON SKIN: Wash with plenty of water/...
P312 - Call a POISON CENTER/doctor if you feel unwell.
Disposal : P501 - Dispose of contents/container in accordance with local/national laws and regulations

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

Black Raspberry Vanilla #12196F

Safety Data Sheet

3.2. Mixtures

Name	Product identifier	%	Classification according to GHS NZ
Benzyl benzoate	(CAS-No.) 120-51-4	7.5 - 15	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	7.5 - 15	Flam. Liq. Not classified 9.1A: Aquatic Acute 1, H400 9.1A: Aquatic Chronic 1, H410
Hedione	(CAS-No.) 24851-98-7	6 - 12	Flam. Liq. Not classified Acute Tox. Not classified (Oral) 9.1D: Aquatic Acute 3, H402
Phenylmethanol	(CAS-No.) 100-51-6	1.825 - 3.65	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
Oxypheylon (Raspberry ketone) crystals	(CAS-No.) 5471-51-2	1.65 - 3.3	9.3C: Ecotoxicity to terrestrial vertebrates C, H433 6.1D: Acute Tox. 4 (Oral), H302
Linalyl acetate	(CAS-No.) 115-95-7	0.8 - 1.6	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
Orange oil	(CAS-No.) 8008-57-9	0.8 - 1.6	3.1C: Flam. Liq. 3, H226 6.1E: Acute Tox. 5 (Oral), H303 Acute Tox. Not classified (Dermal) 6.3A: Skin Irrit. 2, H315 6.5B: Skin Sens. 1, H317 6.1E: Asp. Tox. 1, H304 9.1B: Aquatic Chronic 2, H411
Linalool	(CAS-No.) 78-70-6	0.75 - 1.5	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
beta-Ionone	(CAS-No.) 14901-07-6	0.5 - 1	Flam. Liq. Not classified 6.1E: Acute Tox. 5 (Oral), H303 9.1B: Aquatic Chronic 2, H411
Aldehyde C-16	(CAS-No.) 77-83-8	0.375 - 0.75	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
Hexyl cinnamic aldehyde	(CAS-No.) 101-86-0	0.175 - 0.35	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
Ethyl 2-methylbutyrate	(CAS-No.) 7452-79-1	0.175 - 0.35	3.1C: Flam. Liq. 3, H226
Geraniol	(CAS-No.) 106-24-1	0.15 - 0.3	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
Hydroxy	(CAS-No.) 107-75-5	0.15 - 0.3	Flam. Liq. Not classified Acute Tox. Not classified (Oral) 6.4A: Eye Irrit. 2, H319 6.5B: Skin Sens. 1, H317
Vanillin	(CAS-No.) 121-33-5	0.15 - 0.3	Acute Tox. Not classified (Dermal) 6.4A: Eye Irrit. 2, H319 9.1D: Aquatic Acute 3, H402
Vetol plus crystals	(CAS-No.) 4940-11-8	0.15 - 0.3	9.3C: Ecotoxicity to terrestrial vertebrates C, H433 6.1D: Acute Tox. 4 (Oral), H302 Aquatic Acute Not classified

Black Raspberry Vanilla #12196F

Safety Data Sheet

Name	Product identifier	%	Classification according to GHS NZ
Damascone alpha- (E)-1-(2,6,6-Trimethyl-2-cyclohexen-1-yl)-2-buten-1-one (24720-09-0)	(CAS-No.) 24720-09-0	0.15 - 0.3	Flam. Liq. Not classified 6.1D: Acute Tox. 4 (Oral), H302 6.5B: Skin Sens. 1, H317
Aldehyde C-14	(CAS-No.) 104-67-6	0.125 - 0.25	Flam. Liq. Not classified Acute Tox. Not classified (Oral) 9.1D: Aquatic Acute 2, H401 9.1C: Aquatic Chronic 3, H412
Ethyl butyrate	(CAS-No.) 105-54-4	0.1 - 0.2	3.1C: Flam. Liq. 3, H226 Acute Tox. Not classified (Oral)
Citral pure	(CAS-No.) 5392-40-5	0.1 - 0.2	3.1D: Flam. Liq. 4, H227 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 9.1D: Aquatic Acute 2, H401
Turpentine oil	(CAS-No.) 8006-64-2	0.1 - 0.2	3.1C: Flam. Liq. 3, H226 Acute Tox. Not classified (Oral) Acute Tox. Not classified (Dermal) 6.1D: Acute Tox. 4 (Inhalation:vapour), H332 6.3A: Skin Irrit. 2, H315 6.5B: Skin Sens. 1, H317 6.1E: Asp. Tox. 1, H304 9.1B: Aquatic Chronic 2, H411
Geranium oil Egyptian	(CAS-No.) 8000-46-2	0.1 - 0.2	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
Isobutyl acetate	(CAS-No.) 110-19-0	0.1 - 0.2	3.1B: Flam. Liq. 2, H225 Acute Tox. Not classified (Oral) Acute Tox. Not classified (Dermal) 6.9B (Narcotic) : STOT SE 3, H336 9.1D: Aquatic Acute 3, H402
Damascone Beta	(CAS-No.) 23726-92-3	0.1 - 0.2	Flam. Liq. Not classified 6.5B: Skin Sens. 1, H317
Terpineol	(CAS-No.) 8000-41-7	0.1 - 0.2	3.1D: Flam. Liq. 4, H227 6.1E: Acute Tox. 5 (Oral), H303 6.3A: Skin Irrit. 2, H315 6.4A: Eye Irrit. 2, H319
Citronellol Pure	(CAS-No.) 106-22-9	0.07 - 0.14	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
acetophenone	(CAS-No.) 98-86-2	0.05 - 0.1	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 6.4A: Eye Irrit. 2, H319 Aquatic Acute Not classified
Benzyl butyrate	(CAS-No.) 103-37-7	0.05 - 0.1	Flam. Liq. Not classified 6.1E: Acute Tox. 5 (Oral), H303

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 poison center or a doctor if you feel unwell.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Allow affected person to breathe fresh air. Allow the victim to rest.
First-aid measures after skin contact	: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Wash with plenty of water/.... If skin irritation or rash occurs: Get immediate medical advice/attention. Get medical advice/attention. Specific treatment (see Call a physician immediately on this label). Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention. Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.
First-aid measures after eye contact	: Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists. Rinse eyes with water as a precaution.
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	: Not expected to present a significant hazard under anticipated conditions of normal use.
------------------	--

Black Raspberry Vanilla #12196F

Safety Data Sheet

Symptoms/effects after inhalation	: May cause an allergic skin reaction.
Symptoms/effects after skin contact	: May cause an allergic skin reaction. Irritation.

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

No additional information available

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

No additional information available

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

Precautions for safe handling	: Ensure good ventilation of the work station. Wear personal protective equipment. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray.
Hygiene measures	: Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	: Keep only in the original container in a cool, well ventilated place away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container closed when not in use. Store in a well-ventilated place. Keep cool.
Incompatible products	: Strong bases. Strong acids.
Incompatible materials	: Sources of ignition. Direct sunlight.
Storage temperature	: 25 °C
Storage area	: Store in a well-ventilated place. Store away from heat.
Special rules on packaging	: Store in a closed container.
Packaging materials	: Do not store in corrodable metal.

Black Raspberry Vanilla #12196F

Safety Data Sheet

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Phenylmethanol (100-51-6)	
Germany - Occupational Exposure Limits (TRGS 900)	
Occupational exposure limit value (mg/m ³)	22 mg/m ³ (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
Occupational exposure limit value (ppm)	5 ppm (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
Chemical category	Skin notation
Hydroxy (107-75-5)	
China - Occupational Exposure Limits	
Catalogue of Occupational Hazard Factors	Category 3 - Chemicals
Isobutyl acetate (110-19-0)	
New Zealand - Occupational Exposure Limits	
TWA (mg/m ³)	713 mg/m ³
TWA (ppm)	150 ppm
Malaysia - Occupational Exposure Limits	
PEL TWA (mg/m ³)	713 mg/m ³
PEL TWA (ppm)	150 ppm
Korea - Occupational Exposure Limits	
ISHA	Hazardous Substances Subject to Control - Organic Compounds
ISHA TWA (ppm)	150 ppm
ISHA STEL (ppm)	187 ppm
Singapore - Occupational Exposure Limits	
OEL PEL (mg/m ³)	713 mg/m ³
OEL PEL (ppm)	150 ppm
Germany - Occupational Exposure Limits (TRGS 900)	
Occupational exposure limit value (mg/m ³)	300 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)	62 ppm (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
United Kingdom - Occupational Exposure Limits	
WEL TWA (mg/m ³)	724 mg/m ³
WEL TWA (ppm)	150 ppm
WEL STEL (mg/m ³)	903 mg/m ³
WEL STEL (ppm)	187 ppm
USA - ACGIH - Occupational Exposure Limits	
ACGIH TWA (ppm)	50 ppm (Butyl acetates, all isomers)
ACGIH STEL (ppm)	150 ppm (Butyl acetates, all isomers)
Citral pure (5392-40-5)	
USA - ACGIH - Occupational Exposure Limits	
ACGIH TWA (ppm)	5 ppm (inhalable fraction and vapor)
ACGIH chemical category	dermal sensitizer, Skin - potential significant contribution to overall exposure by the cutaneous route, Not Classifiable as a Human Carcinogen
Turpentine oil (8006-64-2)	
New Zealand - Occupational Exposure Limits	
TWA (mg/m ³)	556 mg/m ³
TWA (ppm)	100 ppm
Malaysia - Occupational Exposure Limits	
PEL TWA (mg/m ³)	556 mg/m ³
PEL TWA (ppm)	100 ppm
China - Occupational Exposure Limits	
OEL TWA	300 mg/m ³
OEL STEL	450 mg/m ³ (calculated)
Korea - Occupational Exposure Limits	
ISHA TWA (ppm)	20 ppm
Singapore - Occupational Exposure Limits	
OEL PEL (mg/m ³)	566 mg/m ³
OEL PEL (ppm)	100 ppm

Black Raspberry Vanilla #12196F

Safety Data Sheet

Turpentine oil (8006-64-2)	
United Kingdom - Occupational Exposure Limits	
WEL TWA (mg/m ³)	566 mg/m ³
WEL TWA (ppm)	100 ppm
WEL STEL (mg/m ³)	850 mg/m ³
WEL STEL (ppm)	150 ppm
USA - ACGIH - Occupational Exposure Limits	
ACGIH TWA (ppm)	20 ppm
ACGIH chemical category	dermal sensitizer, Not Classifiable as a Human Carcinogen
acetophenone (98-86-2)	
Malaysia - Occupational Exposure Limits	
PEL TWA (mg/m ³)	49 mg/m ³
PEL TWA (ppm)	10 ppm
Singapore - Occupational Exposure Limits	
OEL PEL (mg/m ³)	49 mg/m ³
OEL PEL (ppm)	10 ppm
USA - ACGIH - Occupational Exposure Limits	
ACGIH TWA (ppm)	10 ppm

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

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 : > 93.33 °C (closed cup) ASTM D7094

Auto-ignition temperature : No data available

Flammability (solid, gas) : Non flammable.

Vapour pressure : No data available

Relative density : No data available

Density : Relative density : $\approx$ 0.925 - 0.965

Solubility : No data available

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

Black Raspberry Vanilla #12196F

Safety Data Sheet

SECTION 10: Stability and reactivity

Reactivity	: The product is non-reactive under normal conditions of use, storage and transport.
Chemical stability	: Not established.
Possibility of hazardous reactions	: Not established.
Conditions to avoid	: Direct sunlight. Extremely high or low temperatures.
Incompatible materials	: Strong acids. Strong bases.
Hazardous decomposition products	: fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: May be harmful if swallowed.
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

ATE NZ (oral)	2733.24 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
Hexamethylindanopyran (1222-05-5)	
LD50 oral rat	> 3250 mg/kg
LD50 dermal rabbit	> 3250 mg/kg
Hedione (24851-98-7)	
LD50 oral rat	> 5 g/kg
Phenylmethanol (100-51-6)	
LD50 oral rat	1230 mg/kg
LD50 oral	1620 mg/kg bodyweight
LD50 dermal	2500 mg/kg bodyweight
Oxyphelylon (Raspberry ketone) crystals (5471-51-2)	
LD50 oral rat	1320 mg/kg
Orange oil (8008-57-9)	
LD50 oral rat	4400 mg/kg
LD50 dermal rabbit	> 5000 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 rat	2790 mg/kg
LD50 oral	2790 mg/kg bodyweight
LD50 dermal rabbit	2000 mg/kg
beta-Ionone (14901-07-6)	
LD50 oral rat	4590 mg/kg
Aldehyde C-16 (77-83-8)	
LD50 oral rat	5470 mg/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
Damascone alpha- (E)-1-(2,6,6-Trimethyl-2-cyclohexen-1-yl)-2-buten-1-one (24720-09-0) (24720-09-0)	
LD50 oral	1670 mg/kg bodyweight
LD50 dermal	2900 mg/kg bodyweight
Hydroxy (107-75-5)	
LD50 oral rat	> 5 g/kg
Vanillin (121-33-5)	
LD50 dermal rabbit	> 5010 mg/kg
Vetol plus crystals (4940-11-8)	
LD50 oral rat	1150 mg/kg

Black Raspberry Vanilla #12196F

Safety Data Sheet

Vetol plus crystals (4940-11-8)	
LD50 oral	1200 mg/kg bodyweight
Geraniol (106-24-1)	
LD50 oral rat	3600 mg/kg
LD50 oral	3600 mg/kg bodyweight
LD50 dermal rabbit	> 5 g/kg
Aldehyde C-14 (104-67-6)	
LD50 oral rat	18500 mg/kg
Isobutyl acetate (110-19-0)	
LD50 oral rat	15400 mg/kg
LD50 dermal rabbit	> 17400 mg/kg
Damascone Beta (23726-92-3)	
LD50 oral	2920 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
Citral pure (5392-40-5)	
LD50 oral rat	4960 mg/kg
LD50 dermal rabbit	2250 mg/kg
LD50 dermal	2250 mg/kg bodyweight
Turpentine oil (8006-64-2)	
LD50 oral rat	5760 mg/kg
LD50 oral	500 mg/kg bodyweight
LD50 dermal rabbit	> 5010 mg/kg
LD50 dermal	1100 mg/kg bodyweight
LC50 inhalation rat (mg/l)	12 g/m ³ (Exposure time: 6 h)
LC50 inhalation rat (Vapours - mg/l/4h)	13.7 mg/l/4h
Ethyl butyrate (105-54-4)	
LD50 oral rat	13 g/kg
Geranium oil Egyptian (8000-46-2)	
LD50 dermal	2500 mg/kg bodyweight
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
Benzyl butyrate (103-37-7)	
LD50 oral rat	2330 mg/kg
LD50 oral	2500 mg/kg bodyweight
acetophenone (98-86-2)	
LD50 oral rat	900 mg/kg
LD50 oral	500 mg/kg bodyweight
LD50 dermal rabbit	1760 mg/kg
LC50 inhalation rat (mg/l)	> 2.13 mg/l (Exposure time: 8 h)

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

Black Raspberry Vanilla #12196F	
Viscosity, kinematic	
Potential adverse human health effects and symptoms	: Based on available data, the classification criteria are not met.

Black Raspberry Vanilla #12196F

Safety Data Sheet

SECTION 12: Ecological information

12.1. Toxicity

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

Benzyl benzoate (120-51-4)	
LC50 fish 1	2.32 mg/l (Exposure time: 96 h - Species: Danio rerio [semi-static])
NOEC (chronic)	0.168 mg/l
Log Pow	4
LD50 dermal rabbit	4000 mg/kg
LD50 oral rat	500 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
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
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)
Log Pow	1.1
LD50 oral rat	1230 mg/kg
Oxypheylon (Raspberry ketone) crystals (5471-51-2)	
LD50 oral rat	1320 mg/kg
Orange oil (8008-57-9)	
LD50 dermal rabbit	> 5000 mg/kg
LD50 oral rat	4400 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
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)
Log Pow	2.84 - 3.1 (at 25 °C)
LD50 dermal rabbit	2000 mg/kg
LD50 oral rat	2790 mg/kg
beta-Ionone (14901-07-6)	
LD50 oral rat	4590 mg/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
Hexyl cinnamic aldehyde (101-86-0)	
LD50 dermal rabbit	> 3000 mg/kg
LD50 oral rat	3100 mg/kg

Black Raspberry Vanilla #12196F

Safety Data Sheet

Hydroxy (107-75-5)	
LD50 oral rat	> 5 g/kg
Vanillin (121-33-5)	
LC50 fish 1	53 - 61.3 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
LC50 fish 2	88 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
NOEC (acute)	10000 mg/kg (Exposure time: 42 Days - Species: Eisenia foetida [soil dry weight])
Log Pow	1.23 (at 22 °C)
LD50 dermal rabbit	> 5010 mg/kg
Velтол plus crystals (4940-11-8)	
LC50 fish 1	> 85 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)
LD50 oral rat	1150 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
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
Isobutyl acetate (110-19-0)	
LC50 fish 1	17 mg/l (Exposure time: 96 h - Species: Oryzias latipes)
BCF fish 1	(no significant bioconcentration)
Log Pow	1.72
LD50 dermal rabbit	> 17400 mg/kg
LD50 oral rat	15400 mg/kg
Terpineol (8000-41-7)	
LD50 dermal rabbit	> 3000 mg/kg
LD50 oral rat	2900 mg/kg
Citral pure (5392-40-5)	
EC50 Daphnia 1	7 mg/l (Exposure time: 48 h - Species: Daphnia magna)
EC50 72h algae (1)	16 mg/l (Species: Desmodesmus subspicatus)
Log Pow	2.76 (at 25 °C)
LD50 dermal rabbit	2250 mg/kg
LD50 oral rat	4960 mg/kg
Turpentine oil (8006-64-2)	
LD50 dermal rabbit	> 5010 mg/kg
LD50 oral rat	5760 mg/kg
Ethyl butyrate (105-54-4)	
LD50 oral rat	13 g/kg
Citronellol Pure (106-22-9)	
LD50 dermal rabbit	2650 mg/kg
LD50 oral rat	3450 mg/kg
Benzyl butyrate (103-37-7)	
LD50 oral rat	2330 mg/kg
acetophenone (98-86-2)	
LC50 fish 1	162 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
LC50 fish 2	155 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
Log Pow	1.7
LD50 dermal rabbit	1760 mg/kg
LD50 oral rat	900 mg/kg

12.2. Persistence and degradability

Black Raspberry Vanilla #12196F	
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.
Geranium oil Egyptian (8000-46-2)	
Persistence and degradability	May cause long-term adverse effects in the environment.

Black Raspberry Vanilla #12196F

Safety Data Sheet

12.3. Bioaccumulative potential

Black Raspberry Vanilla #12196F	
Bioaccumulative potential	Not established.
Benzyl benzoate (120-51-4)	
Log Pow	See section 12.1 on ecotoxicology
Bioaccumulative potential	Not established.
Phenylmethanol (100-51-6)	
Log Pow	See section 12.1 on ecotoxicology
Linalool (78-70-6)	
Log Pow	See section 12.1 on ecotoxicology
Vanillin (121-33-5)	
Log Pow	See section 12.1 on ecotoxicology
Isobutyl acetate (110-19-0)	
BCF fish 1	See section 12.1 on ecotoxicology
Log Pow	See section 12.1 on ecotoxicology
Citral pure (5392-40-5)	
Log Pow	See section 12.1 on ecotoxicology
Geranium oil Egyptian (8000-46-2)	
Bioaccumulative potential	Not established.
acetophenone (98-86-2)	
Log Pow	See section 12.1 on ecotoxicology

12.4. Mobility in soil

Black Raspberry Vanilla #12196F	
Mobility in soil	No additional information available
Benzyl benzoate (120-51-4)	
Log Pow	See section 12.1 on ecotoxicology
Phenylmethanol (100-51-6)	
Log Pow	See section 12.1 on ecotoxicology
Linalool (78-70-6)	
Log Pow	See section 12.1 on ecotoxicology
Vanillin (121-33-5)	
Log Pow	See section 12.1 on ecotoxicology
Isobutyl acetate (110-19-0)	
Log Pow	See section 12.1 on ecotoxicology
Citral pure (5392-40-5)	
Log Pow	See section 12.1 on ecotoxicology
acetophenone (98-86-2)	
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.

SECTION 14: Transport information

14.1. UN number

UN-No.(UN RTDG)	: Not applicable
UN-No. (IMDG)	: 3082
UN-No. (IATA)	: 3082

14.2. Proper Shipping Name

Proper Shipping Name (UN RTDG)	: Not applicable
Proper Shipping Name (IMDG)	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (HEXAMETHYLINDANOPYRAN)

Black Raspberry Vanilla #12196F

Safety Data Sheet

Proper Shipping Name (IATA) : Environmentally hazardous substance, liquid, n.o.s.

14.3. Transport hazard class(es)

UN RTDG

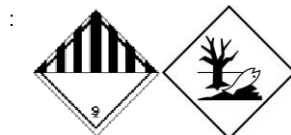
Transport hazard class(es) (UN RTDG) : Not applicable



IMDG

Transport hazard class(es) (IMDG) : 9

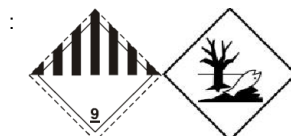
Danger labels (IMDG) : 9



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

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) : LP01, P001

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

Black Raspberry Vanilla #12196F

Safety Data Sheet

Special provisions (IATA) : A97, A158, A197
ERG code (IATA) : 9L

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

14.8. Hazchem or Emergency Action Code

EAC code : •3Z.

SECTION 15: Regulatory information

15.1. Safety, health, and environmental national regulations specific for the product

Food Additives and Fragrance Materials (Subsidiary Hazard) Group Standard 2017

HSNO Approval Number : HSR002578

Benzyl benzoate (120-51-4)

Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR003504

Phenylmethanol (100-51-6)

Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR001039

Orange oil (8008-57-9)

Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR003493

Linalyl acetate (115-95-7)

Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR003499

Linalool (78-70-6)

Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR003500

Ethyl 2-methylbutyrate (7452-79-1)

Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR005554

Hydroxy (107-75-5)

Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR003314

Vanillin (121-33-5)

Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR003498

Geraniol (106-24-1)

Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR003176

Aldehyde C-14 (104-67-6)

Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR003507

Isobutyl acetate (110-19-0)

Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR001092

Black Raspberry Vanilla #12196F

Safety Data Sheet

Terpineol (8000-41-7)

Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR003269

Citral pure (5392-40-5)

Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR002728

Turpentine oil (8006-64-2)

Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR001233

Ethyl butyrate (105-54-4)

Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR001146

Geranium oil Egyptian (8000-46-2)

Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR007380

Citronellol Pure (106-22-9)

Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR003483

Benzyl butyrate (103-37-7)

Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR007410

acetophenone (98-86-2)

Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR002891

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

SDS Major/Minor : None
Date of issue : 12/4/2019
Revision date : 18/12/2019
Supersedes : 18/12/20190

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
6.1D: Acute Tox. 4 (Dermal)	6.1D: Acute toxicity (dermal), Category 4
6.1D: Acute Tox. 4 (Inhalation:gas)	6.1D: Acute toxicity (inhalation:gas) Category 4
6.1D: Acute Tox. 4 (Inhalation:vapour)	6.1D: Acute toxicity (inhalation:vapour) Category 4
6.1D: Acute Tox. 4 (Oral)	6.1D: Acute toxicity (oral), Category 4
6.1E: Acute Tox. 5 (Dermal)	6.1E: Acute toxicity (dermal), Category 5

Black Raspberry Vanilla #12196F

Safety Data Sheet

6.1E: Acute Tox. 5 (Oral)	6.1E: Acute toxicity (oral), Category 5
6.1E: Asp. Tox. 1	6.1E: Aspiration hazard, Category 1
6.3A: Skin Irrit. 2	6.3A: Skin corrosion/irritation, Category 2
6.3B: Skin Irrit. 3	6.3B: Skin corrosion/irritation, Category 3
6.4A: Eye Irrit. 2	6.4A: Serious eye damage/eye irritation, Category 2
6.5B: Skin Sens. 1	6.5B: Skin sensitisation, Category 1
6.9B (Narcotic) : STOT SE 3	6.9B (Narcotic) : Specific target organ toxicity — Single exposure, Category 3, Narcosis
8.3A: Eye Dam. 1	8.3A: Serious eye damage/eye irritation, Category 1
9.1A: Aquatic Acute 1	9.1A: Hazardous to the aquatic environment — Acute Hazard, Category 1
9.1A: Aquatic Chronic 1	9.1A: Hazardous to the aquatic environment — Chronic Hazard, Category 1
9.1B: Aquatic Chronic 2	9.1B: Hazardous to the aquatic environment — Chronic Hazard, Category 2
9.1C: Aquatic Chronic 3	9.1C: Hazardous to the aquatic environment — Chronic Hazard, Category 3
9.1D: Aquatic Acute 2	9.1D: Hazardous to the aquatic environment — Acute Hazard, Category 2
9.1D: Aquatic Acute 3	9.1D: Hazardous to the aquatic environment — Acute Hazard, Category 3
9.3B: Ecotoxicity to terrestrial vertebrates B	9.3B: Ecotoxicity to terrestrial vertebrates B
9.3C: Ecotoxicity to terrestrial vertebrates C	9.3C: Ecotoxicity to terrestrial vertebrates C
Acute Tox. Not classified (Dermal)	Acute toxicity (dermal) Not classified
Acute Tox. Not classified (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
H302	Harmful if swallowed.
H303	May be harmful if swallowed
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H313	May be harmful in contact with skin
H315	Causes skin irritation.
H316	Causes mild skin irritation
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H336	May cause drowsiness or dizziness.
H400	Very toxic to aquatic life.

Black Raspberry Vanilla #12196F

Safety Data Sheet

H401	Toxic to aquatic life
H402	Harmful to aquatic life
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
H432	Toxic to terrestrial vertebrates
H433	Harmful to terrestrial vertebrates

CANDLE CREATIONS SDS NEW ZEALAND

The data contained in this Safety Data Sheet is accurate to the best knowledge of Candle Creations, applies to the product as supplied by Candle Creations and does not relate to use in combination with any other material or in any process. Data and information is 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