



French Vanilla #4082F

Safety Data Sheet

This Safety Data Sheet has been prepared in accordance with the New Zealand Hazardous Substances (Safety Data Sheets) Notice 2017 under the Hazardous Substances and New Organisms Act (1996)

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

1.1 Product identifier

Product name : French Vanilla #4082F
Product form : Mixture
Type of product : Perfumes, fragrances
Product code : 4082F

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
6.1D	Flammable liquids Not classified
6.1E	Acute toxicity (oral), Category 4
6.4A	Acute toxicity (dermal), Category 5
6.5B	Serious eye damage/eye irritation, Category 2
6.9B	Skin sensitisation, Category 1
9.1D	Specific target organ toxicity — Repeated exposure, Category 2
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

Contains

: Benzyl benzoate (39.24 - 78.48 %); Ethyl vanillin crystals (3.75 - 7.5 %) ; Veltol plus crystals (1.2 - 2.4 %) ; acetyl propionyl (0.54 - 1.08 %) ; Coumarin crystals (0.5 - 1 %)

Hazard statements (GHS NZ)

: H302 - Harmful if swallowed.
H313 - May be harmful in contact with skin
H317 - May cause an allergic skin reaction.
H319 - Causes serious eye irritation.
H373 - May cause damage to organs through prolonged or repeated exposure.
H401 - Toxic to aquatic life
H411 - Toxic to aquatic life with long lasting effects.
H432 - Toxic to terrestrial vertebrates

Prevention

: P264 - Wash hands thoroughly after handling
P270 - Do not eat, drink or smoke when using this product.
P272 - Contaminated work clothing should not be allowed out of the workplace.
P273 - Avoid release to the environment.

Response

: P301+P310 - IF SWALLOWED: Immediately call a POISONCENTER/doctor

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

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SECTION 3: Composition and information of the ingredients of the hazardous chemical

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to GHS NZ
Benzyl benzoate	(CAS-No.) 120-51-4	39.24 - 78.48	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
Vanillin	(CAS-No.) 121-33-5	3.795 - 7.59	Acute Tox. Not classified (Dermal) 6.4A: Eye Irrit. 2, H319 9.1D: Aquatic Acute 3, H402
Ethyl vanillin crystals	(CAS-No.) 121-32-4	3.75 - 7.5	9.3C: Ecotoxicity to terrestrial vertebrates C, H433 6.1D: Acute Tox. 4 (Oral), H302 6.4A: Eye Irrit. 2, H319 9.1D: Aquatic Acute 3, H402
Vetol plus crystals	(CAS-No.) 4940-11-8	1.2 - 2.4	9.3C: Ecotoxicity to terrestrial vertebrates C, H433 6.1D: Acute Tox. 4 (Oral), H302 Aquatic Acute Not classified
acetyl propionyl	(CAS-No.) 600-14-6	0.54 - 1.08	3.1B: Flam. Liq. 2, H225 6.1E: Acute Tox. 5 (Oral), H303 8.3A: Eye Dam. 1, H318 6.5B: Skin Sens. 1, H317 6.9B: STOT RE 2, H373
Coumarin crystals	(CAS-No.) 91-64-5	0.5 - 1	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
Guaiacol	(CAS-No.) 90-05-1	0.375 - 0.75	9.3C: Ecotoxicity to terrestrial vertebrates C, H433 3.1D: Flam. Liq. 4, H227 6.1D: Acute Tox. 4 (Oral), H302 6.1E: Acute Tox. 5 (Dermal), H313 6.3A: Skin Irrit. 2, H315 6.4A: Eye Irrit. 2, H319 9.1D: Aquatic Acute 3, H402
Isobutyl acetate	(CAS-No.) 110-19-0	0 - 0.08	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
Ethyl acetate	(CAS-No.) 141-78-6	0 - 0.08	3.1A: Flam. Liq. 1, H224 Acute Tox. Not classified (Oral) Acute Tox. Not classified (Dermal) 6.4A: Eye Irrit. 2, H319 6.9B (Narcotic): STOT SE 3, H336 Aquatic Acute Not classified
Ethyl formate	(CAS-No.) 109-94-4	0 - 0.02	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) 6.1D: Acute Tox. 4 (Inhalation: vapour), H332 6.4A: Eye Irrit. 2, H319 6.1E (Respiratory tract irritant) : STOT SE 3, H335
Furfural	(CAS-No.) 98-01-1	0 - 0.02	9.3B: Ecotoxicity to terrestrial vertebrates B, H432 3.1C: Flam. Liq. 3, H226 6.1C: Acute Tox. 3 (Oral), H301 6.1D: Acute Tox. 4 (Dermal), H312 6.3A: Skin Irrit. 2, H315 6.4A: Eye Irrit. 2, H319 6.7B: Carc. 2, H351 6.1E (Respiratory tract irritant) : STOT SE 3, H335 9.1D: Aquatic Acute 3, H402
(4-Methoxyphenyl) methanol	(CAS-No.) 105-13-5	0 - 0.01	9.3C: Ecotoxicity to terrestrial vertebrates C, H433 Flam. Liq. Not classified 6.1D: Acute Tox. 4 (Oral), H302 8.3A: Eye Dam. 1, H318 6.5B: Skin Sens. 1, H317

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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	: Wash with plenty of water/.... If skin irritation or rash occurs: Get medical advice/attention. Specific treatment (see supplemental first aid instruction on this label). Wash contaminated clothing before reuse. Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. 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 cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Rinse mouth. Call a POISON CENTER/doctor if you feel unwell. 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.
Symptoms/effects after inhalation	: May cause an allergic skin reaction.
Symptoms/effects after skin contact	: May cause an allergic skin reaction.
Symptoms/effects after eye contact	: Eye irritation.
Symptoms/effects after ingestion	: Swallowing a small quantity of this material will result in serious health hazard.

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

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 firefighting 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.
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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.

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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 workstation. Avoid breathing dust/fume/gas/mist/vapours/spray. 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. Wear personal protective equipment.
Hygiene measures	: Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Always wash hands after handling the product.

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 : Keep 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.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

acetyl propionyl (600-14-6)	
Germany - Occupational Exposure Limits (TRGS 900)	
Occupational exposure limit value (mg/m ³)	0.083 mg/m ³
Occupational exposure limit value (ppm)	0.02 ppm
Chemical category	Skin notation, Skin sensitization
Ethyl acetate (141-78-6)	
New Zealand - Occupational Exposure Limits	
TWA (mg/m ³)	720 mg/m ³
TWA (ppm)	200 ppm
Malaysia - Occupational Exposure Limits	
PEL TWA (mg/m ³)	1440 mg/m ³
PEL TWA (ppm)	400 ppm
China - Occupational Exposure Limits	
OEL TWA	200 mg/m ³
OEL STEL	300 mg/m ³
Catalogue of Occupational Hazard Factors	Category 3 - Chemicals
Korea - Occupational Exposure Limits	
ISHA	Hazardous Substances Subject to Control - Organic Compounds
ISHA TWA (ppm)	400 ppm
Singapore - Occupational Exposure Limits	
OEL PEL (mg/m ³)	1440 mg/m ³
OEL PEL (ppm)	400 ppm
Germany - Occupational Exposure Limits (TRGS 900)	
Occupational exposure limit value (mg/m ³)	730 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)	200 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)	734 mg/m ³
WEL TWA (ppm)	200 ppm
WEL STEL (mg/m ³)	1468 mg/m ³
WEL STEL (ppm)	400 ppm
USA - ACGIH - Occupational Exposure Limits	
ACGIH TWA (ppm)	400 ppm
Isobutyl acetate (110-19-0)	
New Zealand - Occupational Exposure Limits	
TWA (mg/m ³)	713 mg/m ³
TWA (ppm)	150 ppm

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Isobutyl acetate (110-19-0)	
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)
Furfural (98-01-1)	
New Zealand - Occupational Exposure Limits	
TWA (mg/m ³)	7.9 mg/m ³
TWA (ppm)	2 ppm
OEL chemical category (NZ)	Skin absorption, Suspected carcinogen
Malaysia - Occupational Exposure Limits	
PEL TWA (mg/m ³)	7.9 mg/m ³
PEL TWA (ppm)	2 ppm
OEL chemical category (MY)	Skin notation
China - Occupational Exposure Limits	
OEL TWA	5 mg/m ³
OEL STEL	12.5 mg/m ³ (calculated)
OEL chemical category (CN)	Skin notation
Catalogue of Occupational Hazard Factors	Category 3 - Chemicals
Korea - Occupational Exposure Limits	
ISHA TWA (ppm)	2 ppm
Singapore - Occupational Exposure Limits	
OEL PEL (mg/m ³)	7.9 mg/m ³
OEL PEL (ppm)	2 ppm
United Kingdom - Occupational Exposure Limits	
WEL TWA (mg/m ³)	8 mg/m ³
WEL TWA (ppm)	2 ppm
WEL STEL (mg/m ³)	20 mg/m ³
WEL STEL (ppm)	5 ppm
WEL chemical category	Potential for cutaneous absorption
USA - ACGIH - Occupational Exposure Limits	
ACGIH TWA (ppm)	0.2 ppm
ACGIH chemical category	Skin - potential significant contribution to overall exposure by the cutaneous route, Confirmed Animal Carcinogen with Unknown Relevance to Humans
USA - ACGIH - Biological Exposure Indices	
Biological Exposure Indices (BEI)	200 mg/l Parameter: Furoic acid with hydrolysis - Medium: urine - Sampling time: end of shift (nonspecific)
Ethyl formate (109-94-4)	
New Zealand - Occupational Exposure Limits	
TWA (mg/m ³)	303 mg/m ³
TWA (ppm)	100 ppm

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Ethyl formate (109-94-4)	
Malaysia - Occupational Exposure Limits	
PEL TWA (mg/m ³)	303 mg/m ³
PEL TWA (ppm)	100 ppm
China - Occupational Exposure Limits	
Catalogue of Occupational Hazard Factors	Category 3 - Chemicals
Korea - Occupational Exposure Limits	
ISHA TWA (ppm)	100 ppm
Singapore - Occupational Exposure Limits	
OEL PEL (mg/m ³)	303 mg/m ³
OEL PEL (ppm)	100 ppm
Germany - Occupational Exposure Limits (TRGS 900)	
Occupational exposure limit value (mg/m ³)	310 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)	100 ppm (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
Chemical category	Skin notation
United Kingdom - Occupational Exposure Limits	
WEL TWA (mg/m ³)	308 mg/m ³
WEL TWA (ppm)	100 ppm
WEL STEL (mg/m ³)	462 mg/m ³
WEL STEL (ppm)	150 ppm
USA - ACGIH - Occupational Exposure Limits	
ACGIH STEL (ppm)	100 ppm
ACGIH chemical category	Not Classifiable as a Human Carcinogen

Exposure limit values for the other components

No additional information available

8.2. Monitoring

No additional information available

8.3. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the workstation.

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 °C (closed cup) ASTM D7094

Auto-ignition temperature : No data available

Flammability (solid, gas) : Nonflammable.

Vapour pressure : No data available

Relative density : No data available

Density : Relative density: ≈ 1.07

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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

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)	: Harmful if swallowed.
Acute toxicity (dermal)	: May be harmful in contact with skin.
Acute toxicity (inhalation)	: Not classified

ATE NZ (oral)	574.304 mg/kg bodyweight
ATE NZ (Dermal)	4356.666 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
Vanillin (121-33-5)	
LD50 dermal rabbit	> 5010 mg/kg
Ethyl vanillin crystals (121-32-4)	
LD50 oral rat	1590 mg/kg
LD50 oral	3000 mg/kg bodyweight
Veltol plus crystals (4940-11-8)	
LD50 oral rat	1150 mg/kg
LD50 oral	1200 mg/kg bodyweight
acetyl propionyl (600-14-6)	
LD50 oral rat	3 g/kg
LD50 oral	3000 mg/kg bodyweight
LD50 dermal	2500 mg/kg bodyweight
Coumarin crystals (91-64-5)	
LD50 oral rat	> 5000 mg/kg
LD50 oral	500 mg/kg bodyweight
LD50 dermal rat	> 2000 mg/kg
Guaiacol (90-05-1)	
LD50 oral rat	520 mg/kg
LD50 oral	500 mg/kg bodyweight
LD50 dermal rabbit	4600 mg/kg
LD50 dermal	4600 mg/kg bodyweight
Ethyl acetate (141-78-6)	
LD50 oral rat	5620 mg/kg
LD50 dermal rabbit	> 18000 mg/kg
LC50 inhalation rat (ppm)	4000 ppm/4h
Isobutyl acetate (110-19-0)	
LD50 oral rat	15400 mg/kg
LD50 dermal rabbit	> 17400 mg/kg
Furfural (98-01-1)	
LD50 oral rat	125 mg/kg
LD50 oral	100 mg/kg bodyweight

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Furfural (98-01-1)	
LD50 dermal rabbit	500 - 1000 mg/kg
LD50 dermal	1100 mg/kg bodyweight
LC50 inhalation rat (mg/l)	756 mg/m ³ (Exposure time: 1 h)
LC50 inhalation rat (Vapours - mg/l/4h)	1 mg/l/4h
Ethyl formate (109-94-4)	
LD50 oral rat	1850 mg/kg
LD50 oral	1850 mg/kg bodyweight
LD50 dermal rabbit	> 5000 mg/kg
LC50 inhalation rat (Vapours - mg/l/4h)	11 mg/l/4h
(4-Methoxyphenyl)methanol (105-13-5)	
LD50 oral rat	1200 µl/kg
LD50 dermal	3000 mg/kg bodyweight

Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Causes serious eye irritation.
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	: May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard	: Not classified

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Viscosity, kinematic	

Potential adverse human health effects and symptoms : Harmful if swallowed. 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	: 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
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
Ethyl vanillin crystals (121-32-4)	
LC50 fish 1	81.4 - 94.3 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
LD50 oral rat	1590 mg/kg
Veltol plus crystals (4940-11-8)	
LC50 fish 1	> 85 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)
LD50 oral rat	1150 mg/kg
acetyl propionyl (600-14-6)	
LD50 oral rat	3 g/kg

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Coumarin crystals (91-64-5)	
	> 2000 mg/kg
LD50 oral rat	> 5000 mg/kg
Guaiacol (90-05-1)	
EC50 Daphnia 1	25.9 mg/l (Exposure time: 48 h - Species: Daphnia magna)
Log Pow	1.32
LD50 dermal rabbit	4600 mg/kg
LD50 oral rat	520 mg/kg
Ethyl acetate (141-78-6)	
LC50 fish 1	220 - 250 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
LC50 fish 2	484 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [flow-through])
EC50 Daphnia 1	560 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
BCF fish 1	30
Log Pow	0.6
LD50 dermal rabbit	> 18000 mg/kg
LD50 oral rat	5620 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
Furfural (98-01-1)	
LC50 fish 1	13.4 - 19.3 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
LC50 fish 2	16.79 - 26.35 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
Log Pow	0.67
LD50 dermal rabbit	500 - 1000 mg/kg
LD50 oral rat	125 mg/kg
Ethyl formate (109-94-4)	
BCF fish 1	(will not bioconcentrate)
LD50 dermal rabbit	> 5000 mg/kg
LD50 oral rat	1850 mg/kg
(4-Methoxyphenyl)methanol (105-13-5)	
LD50 oral rat	1200 µl/kg

12.2. Persistence and degradability

French Vanilla #4082F	
Persistence and degradability	Not established.
Benzyl benzoate (120-51-4)	
Persistence and degradability	May cause long-term adverse effects in the environment.

12.3. Bioaccumulative potential

French Vanilla #4082F	
Bioaccumulative potential	Not established.
Benzyl benzoate (120-51-4)	
Log Pow	See section 12.1 on ecotoxicology
Bioaccumulative potential	Not established.
Vanillin (121-33-5)	
Log Pow	See section 12.1 on ecotoxicology
Guaiacol (90-05-1)	
Log Pow	See section 12.1 on ecotoxicology
Ethyl acetate (141-78-6)	
BCF fish 1	See section 12.1 on ecotoxicology
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
Furfural (98-01-1)	
Log Pow	See section 12.1 on ecotoxicology

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Ethyl formate (109-94-4)	
BCF fish 1	See section 12.1 on ecotoxicology

12.4. Mobility in soil

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Mobility in soil	No additional information available
Benzyl benzoate (120-51-4)	
Log Pow	See section 12.1 on ecotoxicology
Vanillin (121-33-5)	
Log Pow	See section 12.1 on ecotoxicology
Guaiacol (90-05-1)	
Log Pow	See section 12.1 on ecotoxicology
Ethyl acetate (141-78-6)	
Log Pow	See section 12.1 on ecotoxicology
Isobutyl acetate (110-19-0)	
Log Pow	See section 12.1 on ecotoxicology
Furfural (98-01-1)	
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 of contents/container in accordance with local/national laws and regulations. Dispose in a safe manner in accordance with local/national 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. (BENZYL BENZOATE)
Proper Shipping Name (IATA)	: Environmentally hazardous substance, liquid, n.o.s. (BENZYL BENZOATE)

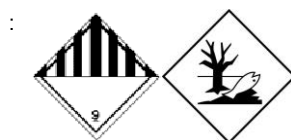
14.3. Transport hazard class(es)

UN RTDG

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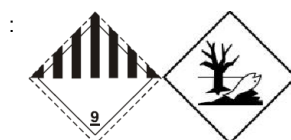
IMDG

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



IATA

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



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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
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.
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SECTION 15: Regulatory information

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

Benzyl benzoate (120-51-4)

Hazardous Substances and New Organisms Act

HSNO Approval Number	: HSR003504
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Vanillin (121-33-5)

Hazardous Substances and New Organisms Act

HSNO Approval Number	: HSR003498
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Ethyl vanillin crystals (121-32-4)

Hazardous Substances and New Organisms Act

HSNO Approval Number	: HSR004802
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acetyl propionyl (600-14-6)

Hazardous Substances and New Organisms Act

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acetyl propionyl (600-14-6)

HSNO Approval Number : HSR006759

Coumarin crystals (91-64-5)

Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR003237

Guaicol (90-05-1)

Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR005080

Ethyl acetate (141-78-6)

Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR001041

Isobutyl acetate (110-19-0)

Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR001092

Furfural (98-01-1)

Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR002997

Ethyl formate (109-94-4)

Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR001148

(4-Methoxyphenyl)methanol (105-13-5)

Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR004304

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

HSNO Approval Number : HSR002578

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Date of issue : 12/5/2019

Other information : None.

Full text of H-statements:

3.1A: Flam. Liq. 1	3.1A: Flammable liquids, Category 1
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: vapour)	6.1D: Acute toxicity (inhalation: vapour) Category 4
6.1D: Acute Tox. 4 (Oral)	6.1D: Acute toxicity (oral), Category 4

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6.1E (Respiratory tract irritant): STOT SE 3	6.1E (Respiratory tract irritant) : Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
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
6.7B: Carc. 2	6.7B: Carcinogenicity, Category 2
6.9B (Narcotic) : STOT SE 3	6.9B (Narcotic): Specific target organ toxicity — Single exposure, Category 3, Narcosis
6.9B: STOT RE 2	6.9B: Specific target organ toxicity — Repeated exposure, Category 2
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
9.1D: 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
H224	Extremely flammable liquid and vapour.
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.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.

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H373	May cause damage to organs through prolonged or repeated exposure.
H401	Toxic to aquatic life
H402	Harmful to aquatic life
H411	Toxic 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



