



Spiced Black Oud #53318F

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: 3/8/2023

SECTION 1: Identification

1.1 Product identifier

Product name : Spiced Black Oud #53318F
Product form : Mixture
Product code : 53318F

1.2 Other means of identification

No additional information available

1.3 Recommended use of the chemical and restrictions on use

Recommended use : Perfumes, Fragrances

1.4 Details of manufacturer or importer

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: Hazard identification

2.1. Classification of the hazardous chemical

Classification according to the Environmental Protection Authority notices (EPA Hazardous Substances and New Organisms Act 1996)

Flammable liquids Category 4	H227
Skin corrosion/irritation Category 2	H315
Serious eye damage/eye irritation, Category 2	H319
Skin sensitization, Category 1	H317
Reproductive toxicity Category 2	H361
Hazardous to the aquatic environment – Chronic Hazard Category 2	H411

2.2. GHS Label elements, including precautionary statements

GHS NZ labelling

Hazard pictograms (GHS NZ)



Signal word (GHS NZ)

: Warning

Contains

: Iso E Super (3.6 – 7.27 %); CINNAMAL (3.2 – 6.36 %); d-Limonene (2.4 – 4.7614 %); Hexyl cinnamic aldehyde (1.6 – 3.18 %); Methyl ionone (mixture of isomers) (1.4 – 2.73 %); Linalyl acetate (1 – 2.0154 %); Clove leaf oil (0.7 – 1.45 %); COUMARIN (0.5 – 0.91 %); Eugenol (0.5 – 0.91 %); Cinnamalva (0.3 – 0.64 %); Orange oil (0.1 – 0.2157 %); Allyl cyclohexylpropionate (0.1 – 0.18 %); Lime oil distilled (0.1 – 0.1556 %); Dipentene (0.1 – 0.1556 %); Geranyl acetate (0.1 – 0.1174 %)

Hazard statements (GHS NZ)

: H227 - Combustible liquid
H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H319 - Causes serious eye irritation

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Prevention	: H361 - Suspected of damaging fertility or the unborn child H411 - Toxic to aquatic life with long lasting effects P201 - Obtain special instructions before use. P202 - Do not handle until all safety precautions have been read and understood. P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P264 - Wash hands, forearms and face thoroughly after handling. P272 - Contaminated work clothing should not be allowed out of the workplace. P273 - Avoid release to the environment.
Response	: P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P333+P313 - If skin irritation or rash occurs: Get medical advice/attention. P391 - Collect spillage.
Storage	: P403+P235 - Store in a well-ventilated place. Keep cool.

2.3. Other hazards which do not result in classification

No additional information available

SECTION 3: Composition and information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to GHS NZ
Iso E Super	CAS-No.: 54464-57-2	3.6 – 7.27	Skin Sens. 1, H317 Aquatic Chronic 2, H411
CINNAMAL	CAS-No.: 104-55-2	3.2 – 6.36	Acute Tox. 4 (Dermal), H312 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Hazardous to terrestrial vertebrates, H434
d-Limonene	CAS-No.: 5989-27-5	2.4 – 4.7614	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Asp. Tox. 1, H304 Aquatic Chronic 3, H412
Hexyl cinnamic aldehyde	CAS-No.: 101-86-0	1.6 – 3.18	Skin Sens. 1, H317 Aquatic Chronic 2, H411
Methyl ionone (mixture of isomers)	CAS-No.: 1335-46-2	1.4 – 2.73	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Skin Sens. 1, H317 Aquatic Acute 2, H401 Aquatic Chronic 2, H411
Linalyl acetate	CAS-No.: 115-95-7	1 – 2.0154	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317
Amberwood F	CAS-No.: 58567-11-6	0.9 – 1.82	Skin Irrit. 2, H315 Aquatic Chronic 2, H411
Clove leaf oil	CAS-No.: 8000-34-8	0.7 – 1.45	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Eye Irrit. 2, H319 Skin Sens. 1, H317 Asp. Tox. 1, H304 Hazardous to terrestrial vertebrates, H434

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Name	Product identifier	%	Classification according to GHS NZ
Cedryl acetate	CAS-No.: 77-54-3	0.7 – 1.36	Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Ethylene brassylate	CAS-No.: 105-95-3	0.6 – 1.18	Aquatic Chronic 2, H411
COUMARIN	CAS-No.: 91-64-5	0.5 – 0.91	Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation:gas), H331 Skin Sens. 1, H317 Aquatic Chronic 2, H411 Hazardous to terrestrial vertebrates, H434
Eugenol	CAS-No.: 97-53-0	0.5 – 0.91	Acute Tox. 4 (Oral), H302 Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Acute 3, H402 Hazardous to terrestrial vertebrates, H434
Cinnamalva	CAS-No.: 1885-38-7	0.3 – 0.64	Acute Tox. 3 (Oral), H301 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation:gas), H332 Skin Sens. 1, H317
Orange oil	CAS-No.: 8008-57-9	0.1 – 0.2157	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 2, H411
ACETYL HEXAMETHYL TETRALIN	CAS-No.: 21145-77-7	0.1 – 0.18	Acute Tox. 4 (Oral), H302 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 Ecotoxicity to terrestrial vertebrates C, H433
Allyl cyclohexylpropionate	CAS-No.: 2705-87-5	0.1 – 0.18	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 Hazardous to terrestrial vertebrates, H434
Lime oil distilled	CAS-No.: 8008-26-2	0.1 – 0.1556	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Repr. 2, H361 Asp. Tox. 1, H304 Aquatic Chronic 1, H410
Dipentene	CAS-No.: 138-86-3	0.1 – 0.1556	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Geranyl acetate	CAS-No.: 105-87-3	0.1 – 0.1174	Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Chronic 3, H412

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SECTION 4: First-aid measures

4.1. Description of necessary 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). IF exposed or concerned: Get medical advice/attention.
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 soap and water. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention. Specific treatment (see supplemental first aid instruction on this label). If skin irritation or rash occurs: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention. Call a poison center/doctor/physician if you feel unwell.

4.2. Symptoms caused by exposure

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	: Causes skin irritation. Irritation. May cause an allergic skin reaction.
Symptoms/effects after eye contact	: Causes serious eye irritation. Eye irritation.

4.3. Medical attention and special treatment

Other medical advice or treatment	: Treat symptomatically.
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SECTION 5: Fire-fighting 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. Specific hazards arising from the chemical

Fire hazard	: Combustible liquid.
Explosion hazard	: May form flammable/explosive vapor-air mixture.
General measures	: Remove ignition sources. Use special care to avoid static electric charges. No open flames. No smoking.
Hazardous decomposition products in case of fire	: Toxic fumes may be released.

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 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.

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.
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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 and eyes. Avoid breathing dust/fume/gas/mist/vapors/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 materials 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

7.1. Precautions for safe handling

Additional hazards when processed : Handle empty containers with care because residual vapors are flammable. Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Precautions for safe handling : Ensure good ventilation of the work station. Avoid breathing dust/fume/gas/mist/vapors/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 vapor. No open flames. No smoking. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Wear personal protective equipment. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid contact with skin and eyes.
Hygiene measures : Wash hands thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Proper grounding procedures to avoid static electricity should be followed.
Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container closed when not in use. Keep in fireproof place. Store in a well-ventilated place. Keep cool. 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 and personal protection

8.1. Control parameters - exposure standards

d-Limonene (5989-27-5)

Germany - Occupational Exposure Limits (TRGS 900)

AGW (OEL TWA) [1]	28 mg/m ³ (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
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d-Limonene (5989-27-5)	
AGW (OEL TWA) [2]	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, Skin sensitization

Exposure limit values of other components

No additional information available

8.2. Monitoring methods

No additional information available

8.3. Engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.

8.4. Individual protection measures, such as personal protective equipment (PPE)

Personal protective equipment : Avoid all unnecessary exposure.
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. [In case of inadequate ventilation] wear respiratory protection.

Personal protective equipment symbol(s)



Environmental exposure controls : Avoid release to the environment.
Other information : Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

Physical state : Liquid
Appearance : No data available
Color : light yellow amber
Odor : characteristic
Odor threshold : No additional information available
pH : No additional information available
Evaporation rate : No additional information available
Relative evaporation rate (butyl acetate=1) : No data available
Melting point / Freezing point : Melting point: Not applicable
Boiling point : No data available
Flash point : 88.7 °C
Auto-ignition temperature : No data available
Flammability : Not applicable, Combustible liquid
Vapor pressure : No additional information available
Relative density : No additional information available
Density : No additional information available
Solubility : No additional information available
Partition coefficient n-octanol/water (Log Pow) : No data available
Viscosity, dynamic : No data available
Explosive properties : No data available
Explosion limits : No additional information 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 vapor-air mixture.

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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: Transport hazard class(es)

11.1. Toxicity

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

Hexyl cinnamic aldehyde (101-86-0)	
LD50 oral rat	3100 mg/kg
LD50 oral	3100 mg/kg body weight
LD50 dermal rabbit	> 3000 mg/kg
LC50 Inhalation - Rat	> 5 mg/l/4h
CINNAMAL (104-55-2)	
LD50 oral rat	2220 mg/kg
LD50 oral	2200 mg/kg body weight
LD50 dermal rabbit	1260 mg/kg
LD50 dermal	1100 mg/kg body weight
d-Limonene (5989-27-5)	
LD50 oral rat	4400 mg/kg
LD50 dermal rabbit	> 5 g/kg
Methyl ionone (mixture of isomers) (1335-46-2)	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 5000 mg/kg
LD50 dermal	2900 mg/kg body weight
Cedryl acetate (77-54-3)	
LD50 oral rat	44750 mg/kg
Clove leaf oil (8000-34-8)	
LD50 oral rat	1370 mg/kg
LD50 oral	2650 mg/kg body weight
LD50 dermal rabbit	1200 mg/kg
LD50 dermal	2500 mg/kg body weight
Linalyl acetate (115-95-7)	
LD50 oral rat	14550 mg/kg
LD50 dermal rabbit	> 5000 mg/kg
Amberwood F (58567-11-6)	
LD50 oral rat	> 5 g/kg
LD50 dermal rabbit	> 5000 mg/kg

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Ethylene brassylate (105-95-3)	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 5000 mg/kg
COUMARIN (91-64-5)	
LD50 oral rat	> 5000 mg/kg
LD50 oral	500 mg/kg body weight
LD50 dermal rat	293 mg/kg
Eugenol (97-53-0)	
LD50 oral rat	1930 mg/kg
LD50 oral	2500 mg/kg body weight
ACETYL HEXAMETHYL TETRALIN (21145-77-7)	
LD50 oral rat	570 mg/kg
LD50 oral	1000 mg/kg body weight
LD50 dermal rabbit	> 5 g/kg
Allyl cyclohexylpropionate (2705-87-5)	
LD50 oral rat	585 mg/kg
LD50 oral	480 mg/kg body weight
LD50 dermal rabbit	1600 mg/kg
LD50 dermal	1600 mg/kg body weight
LC50 Inhalation - Rat (Vapours)	11 mg/l/4h
Cinnamalva (1885-38-7)	
LD50 oral	100 mg/kg body weight
LD50 dermal	1100 mg/kg body weight
LC50 Inhalation - Rat (Dust/Mist)	1.5 mg/l/4h
Orange oil (8008-57-9)	
LD50 oral rat	4400 mg/kg
LD50 dermal rabbit	> 5000 mg/kg
Lime oil distilled (8008-26-2)	
LD50 oral rat	5600 mg/kg
LD50 dermal rabbit	> 5000 mg/kg
Geranyl acetate (105-87-3)	
LD50 oral rat	6330 mg/kg
Dipentene (138-86-3)	
LD50 oral rat	5300 mg/kg

Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitization	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Suspected of damaging fertility or the unborn child.
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified

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Aspiration hazard : Not classified

Orange oil (8008-57-9)

Hydrocarbon	Yes
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Potential Adverse human health effects and symptoms : Based on available data, the classification criteria are not met.

SECTION 12: Document changes control

12.1. Ecotoxicity

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

Hexyl cinnamic aldehyde (101-86-0)

LD50 dermal rabbit	> 3000 mg/kg
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LD50 oral rat	3100 mg/kg
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CINNAMAL (104-55-2)

Partition coefficient n-octanol/water (Log Pow)	2.1065 (at 25 °C)
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LD50 dermal rabbit	1260 mg/kg
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LD50 oral rat	2220 mg/kg
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d-Limonene (5989-27-5)

LC50 - Fish [1]	0.619 – 0.796 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
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LC50 - Fish [2]	35 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)
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Partition coefficient n-octanol/water (Log Pow)	4.38 (at 37 °C (at pH 7.2)
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LD50 dermal rabbit	> 5 g/kg
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LD50 oral rat	4400 mg/kg
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Methyl ionone (mixture of isomers) (1335-46-2)

LC50 - Fish [1]	2.3 mg/l (Exposure time: 96 h - Species: Danio rerio [static])
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Partition coefficient n-octanol/water (Log Pow)	(>4.5 - <5 - at 23 °C (at pH 6.2)
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LD50 dermal rabbit	> 5000 mg/kg
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LD50 oral rat	> 5000 mg/kg
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Cedryl acetate (77-54-3)

Partition coefficient n-octanol/water (Log Pow)	6 (at 25 °C)
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LD50 oral rat	44750 mg/kg
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Clove leaf oil (8000-34-8)

LD50 dermal rabbit	1200 mg/kg
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LD50 oral rat	1370 mg/kg
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Linalyl acetate (115-95-7)

LC50 - Fish [1]	11 mg/l (Exposure time: 96 h - Species: Cyprinus carpio [flow-through])
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Linalyl acetate (115-95-7)	
Partition coefficient n-octanol/water (Log Pow)	3.9 (at 25 °C)
LD50 dermal rabbit	> 5000 mg/kg
LD50 oral rat	14550 mg/kg
Amberwood F (58567-11-6)	
BCF - Fish [1]	(530 dimensionless (whole body w.w.))
Partition coefficient n-octanol/water (Log Pow)	5.4 (at 25 °C)
LD50 dermal rabbit	> 5000 mg/kg
LD50 oral rat	> 5 g/kg
Ethylene brassylate (105-95-3)	
Partition coefficient n-octanol/water (Log Pow)	4.3 (at 25 °C (at pH 6.4-7))
LD50 dermal rabbit	> 5000 mg/kg
LD50 oral rat	> 5000 mg/kg
COUMARIN (91-64-5)	
	293 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])
Partition coefficient n-octanol/water (Log Pow)	1.83 (at 30 °C (at pH 5.5))
LD50 oral rat	1930 mg/kg
ACETYL HEXAMETHYL TETRALIN (21145-77-7)	
Partition coefficient n-octanol/water (Log Pow)	5.7 (at 24 °C)
LD50 dermal rabbit	> 5 g/kg
LD50 oral rat	570 mg/kg
Allyl cyclohexylpropionate (2705-87-5)	
LC50 - Fish [1]	0.13 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
Partition coefficient n-octanol/water (Log Pow)	4.28 (at 20 °C (at pH 5.3))
LD50 dermal rabbit	1600 mg/kg
LD50 oral rat	585 mg/kg
Cinnamalva (1885-38-7)	
Partition coefficient n-octanol/water (Log Pow)	1.96
Orange oil (8008-57-9)	
LD50 dermal rabbit	> 5000 mg/kg
LD50 oral rat	4400 mg/kg
Lime oil distilled (8008-26-2)	
LD50 dermal rabbit	> 5000 mg/kg
LD50 oral rat	5600 mg/kg
Geranyl acetate (105-87-3)	
Partition coefficient n-octanol/water (Log Pow)	4.04

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Geranyl acetate (105-87-3)	
LD50 oral rat	6330 mg/kg
Dipentene (138-86-3)	
LD50 oral rat	5300 mg/kg
12.2. Persistence and degradability	
Spiced Black Oud #53318F	
Persistence and degradability	Not established.
Amberwood F (58567-11-6)	
Persistence and degradability	May cause long-term adverse effects in the environment.
12.3. Bioaccumulative potential	
Spiced Black Oud #53318F	
Bioaccumulative potential	Not established.
CINNAMAL (104-55-2)	
Partition coefficient n-octanol/water (Log Pow)	2.1065 (at 25 °C)
d-Limonene (5989-27-5)	
Partition coefficient n-octanol/water (Log Pow)	4.38 (at 37 °C (at pH 7.2)
Methyl ionone (mixture of isomers) (1335-46-2)	
Partition coefficient n-octanol/water (Log Pow)	(>4.5 - <5 - at 23 °C (at pH 6.2)
Cedryl acetate (77-54-3)	
Partition coefficient n-octanol/water (Log Pow)	6 (at 25 °C)
Linalyl acetate (115-95-7)	
Partition coefficient n-octanol/water (Log Pow)	3.9 (at 25 °C)
Amberwood F (58567-11-6)	
BCF - Fish [1]	(530 dimensionless (whole body w.w.)
Partition coefficient n-octanol/water (Log Pow)	5.4 (at 25 °C)
Bioaccumulative potential	Not established.
Ethylene brassylate (105-95-3)	
Partition coefficient n-octanol/water (Log Pow)	4.3 (at 25 °C (at pH 6.4-7)
Eugenol (97-53-0)	
Partition coefficient n-octanol/water (Log Pow)	1.83 (at 30 °C (at pH 5.5)
ACETYL HEXAMETHYL TETRALIN (21145-77-7)	
Partition coefficient n-octanol/water (Log Pow)	5.7 (at 24 °C)
Allyl cyclohexylpropionate (2705-87-5)	
Partition coefficient n-octanol/water (Log Pow)	4.28 (at 20 °C (at pH 5.3)
Cinnamalva (1885-38-7)	
Partition coefficient n-octanol/water (Log Pow)	1.96
Geranyl acetate (105-87-3)	
Partition coefficient n-octanol/water (Log Pow)	4.04

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12.4. Mobility in soil

Spiced Black Oud #53318F	
Mobility in soil	No additional information available
CINNAMAL (104-55-2)	
Partition coefficient n-octanol/water (Log Pow)	2.1065 (at 25 °C)
d-Limonene (5989-27-5)	
Partition coefficient n-octanol/water (Log Pow)	4.38 (at 37 °C (at pH 7.2))
Methyl ionone (mixture of isomers) (1335-46-2)	
Partition coefficient n-octanol/water (Log Pow)	(>4.5 - <5 - at 23 °C (at pH 6.2))
Cedryl acetate (77-54-3)	
Partition coefficient n-octanol/water (Log Pow)	6 (at 25 °C)
Linalyl acetate (115-95-7)	
Partition coefficient n-octanol/water (Log Pow)	3.9 (at 25 °C)
Amberwood F (58567-11-6)	
Partition coefficient n-octanol/water (Log Pow)	5.4 (at 25 °C)
Ethylene brassylate (105-95-3)	
Partition coefficient n-octanol/water (Log Pow)	4.3 (at 25 °C (at pH 6.4-7))
Eugenol (97-53-0)	
Partition coefficient n-octanol/water (Log Pow)	1.83 (at 30 °C (at pH 5.5))
ACETYL HEXAMETHYL TETRALIN (21145-77-7)	
Partition coefficient n-octanol/water (Log Pow)	5.7 (at 24 °C)
Allyl cyclohexylpropionate (2705-87-5)	
Partition coefficient n-octanol/water (Log Pow)	4.28 (at 20 °C (at pH 5.3))
Cinnamalva (1885-38-7)	
Partition coefficient n-octanol/water (Log Pow)	1.96
Geranyl acetate (105-87-3)	
Partition coefficient n-octanol/water (Log Pow)	4.04

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.
Additional information	: Handle empty containers with care because residual vapors are flammable.

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SECTION 14: Transport information

14.1. UN number

UN-No. (UN RTDG) : 3082
UN-No. (IMDG) : 3082
UN-No. (IATA) : 3082

14.2. UN proper shipping name

Proper Shipping Name (UN RTDG) : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CEDRYL ACETATE)
Proper Shipping Name (IMDG) : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CEDRYL ACETATE)
Proper Shipping Name (IATA) : Environmentally hazardous substance, liquid, n.o.s. (CEDRYL ACETATE)

14.3. Transport hazard class(es)

UN RTDG

Transport hazard class(es) (UN RTDG) : 9
Hazard labels (UN RTDG) :



IMDG

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



IATA

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



14.4. Packing group

Packing group (UN RTDG) : III
Packing group (IMDG) : III
Packing group (IATA) : III

14.5. Emergency telephone number

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

14.6. Special precautions for user

Transport by road and rail

Special provision (UN RTDG) : 274, 331, 335, 375
Limited quantities (UN RTDG) : 5L
Excepted quantities (UN RTDG) : E1
Packing instruction (UN RTDG) : P001, IBC03, LP01
Special packing provisions (UN RTDG) : PP1
Portable tank and bulk container special instructions (UN RTDG) : T4

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Portable tank and bulk container special provisions : TP1, TP29
(UN RTDG)

Transport by sea

Special provision (IMDG) : 274, 335, 969
Limited quantities (IMDG) : 5 L
Excepted quantities (IMDG) : E1
Packing instructions (IMDG) : LP01, P001
Packing provisions (IMDG) : PP1
IBC packing instructions (IMDG) : IBC03
Tank instructions (IMDG) : T4
Tank special provisions (IMDG) : TP1, 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

Air transport

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 provision (IATA) : A97, A158, A197, A215
ERG code (IATA) : 9L

14.7. Transport in bulk according to IMO instruments

Not applicable

14.8. Hazchem or Emergency Action Code

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

CINNAMAL (104-55-2)

Hazardous Substances and New Organisms Act

HSNO Approval Number	HSR002786
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d-Limonene (5989-27-5)

Hazardous Substances and New Organisms Act

HSNO Approval Number	HSR002725
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Clove leaf oil (8000-34-8)

Hazardous Substances and New Organisms Act

HSNO Approval Number	HSR005666
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Linalyl acetate (115-95-7)

Hazardous Substances and New Organisms Act

HSNO Approval Number	HSR003499
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COUMARIN (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

Orange oil (8008-57-9)

Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR003493

Lime oil distilled (8008-26-2)

Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR004085

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

Issue date : 3/8/2023
Other information : None.

Full text of H-phrases

Acute Tox. 3 (Dermal)	Acute toxicity (dermal), Category 3
Acute Tox. 3 (Inhalation:gas)	Acute toxicity (inhalation:gas) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral) Category 3
Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Inhalation:gas)	Acute toxicity (inhalation:gas) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard Category 1
Aquatic Acute 2	Hazardous to the aquatic environment – Acute Hazard Category 2
Aquatic Acute 3	Hazardous to the aquatic environment – Acute Hazard Category 3
Aquatic Chronic 1	Hazardous to the aquatic environment – Chronic Hazard Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment – Chronic Hazard Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard Category 3
Asp. Tox. 1	Aspiration hazard Category 1
Ecotoxicity to terrestrial vertebrates C	Ecotoxicity to terrestrial vertebrates C
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Eye Irrit. 2A	Serious eye damage/eye irritation, Category 2A
Flam. Liq. 3	Flammable liquids Category 3

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Full text of H-phrases	
Flam. Liq. 4	Flammable liquids Category 4
Hazardous to terrestrial vertebrates	Hazardous to terrestrial vertebrates
Repr. 2	Reproductive toxicity Category 2
Skin Irrit. 2	Skin corrosion/irritation Category 2
Skin Sens. 1	Skin sensitization, Category 1
Skin Sens. 1B	Skin sensitization, Category 1B
H226	Flammable liquid and vapour
H227	Combustible liquid
H301	Toxic if swallowed
H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways
H311	Toxic in contact with skin
H312	Harmful in contact with skin
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H331	Toxic if inhaled
H332	Harmful if inhaled
H361	Suspected of damaging fertility or the unborn child
H400	Very toxic to aquatic life
H401	Toxic to aquatic life
H402	Harmful to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H411	Toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects
H433	Harmful to terrestrial vertebrates
H434	Hazardous to terrestrial vertebrates

Safety Data Sheet (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