



Plum Wood & Clove Leaf #48973F

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: 3/18/2022 Version: 1.0

SECTION 1: Identification

1.1 Product identifier

Product name : Plum Wood & Clove Leaf #48973F
Product form : Mixture
Product code : 48973F

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

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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)

Skin corrosion/irritation Category 2	H315
Serious eye damage/eye irritation, Category 2	H319
Skin sensitization, Category 1	H317
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 (6 – 12 %); Methyl ionone (mixture of isomers) (2.375 – 4.75 %); Cinnamic alcohol (1.125 – 2.25 %); Eugenol (0.05 – 0.1 %); Cinnamic aldehyde (0.05 – 0.1 %); Methyl octine carbonate (0.05 – 0.1 %)

Hazard statements (GHS NZ) : H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H319 - Causes serious eye irritation
H411 - Toxic to aquatic life with long lasting effects

Prevention : P272 - Contaminated work clothing should not be allowed out of the workplace.
P280 - Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

Response : P302+P352 - IF ON SKIN: Wash with plenty of water.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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

P337+P313 - If eye irritation persists: Get medical advice/attention.

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
Sandela	CAS-No.: 66068-84-6	6.9 – 13.8	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 2, H411
Iso E Super	CAS-No.: 54464-57-2	6 – 12	Skin Sens. 1, H317 Aquatic Chronic 2, H411
Ethylene brassylate	CAS-No.: 105-95-3	4 – 8	Aquatic Chronic 2, H411
Bacdanol	CAS-No.: 28219-61-6	3 – 6	Eye Irrit. 2, H319 Aquatic Chronic 1, H410
Methyl ionone (mixture of isomers)	CAS-No.: 1335-46-2	2.375 – 4.75	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Skin Sens. 1, H317 Aquatic Acute 2, H401 Aquatic Chronic 2, H411
Amberwood F	CAS-No.: 58567-11-6	1.925 – 3.85	Skin Irrit. 2, H315 Aquatic Chronic 2, H411
Patchouli oil	CAS-No.: 8014-09-3	1.875 – 3.75	Asp. Tox. 1, H304 Aquatic Chronic 2, H411
Cinnamic alcohol	CAS-No.: 104-54-1	1.125 – 2.25	Skin Sens. 1, H317
Ambercore	CAS-No.: 139504-68-0	1.125 – 2.25	Aquatic Chronic 2, H411
beta-Ionone	CAS-No.: 14901-07-6	0.675 – 1.35	Aquatic Chronic 2, H411
Eugenol	CAS-No.: 97-53-0	0.05 – 0.1	Acute Tox. 4 (Oral), H302 Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Acute 3, H402 Hazardous to terrestrial vertebrates, H434
Cinnamic aldehyde	CAS-No.: 104-55-2	0.05 – 0.1	Acute Tox. 4 (Dermal), H312 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Hazardous to terrestrial vertebrates, H434
Methyl octine carbonate	CAS-No.: 111-80-8	0.05 – 0.1	Acute Tox. 4 (Oral), H302 Skin Sens. 1, H317

SECTION 4: First-aid measures

4.1. Description of necessary first-aid measures

First-aid measures after inhalation

: Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact

: Wash skin with plenty of water.

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First-aid measures after eye contact : Rinse eyes with water as a precaution.
First-aid measures after ingestion : Call a poison center/doctor/physician if you feel unwell.

4.2. Symptoms caused by exposure

No additional information available

4.3. Medical attention and special treatment

Other medical advice or treatment : Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

5.2. Specific hazards arising from the chemical

Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

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.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and materials for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment.
Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

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

SECTION 8: Exposure controls and personal protection

8.1. Control parameters - exposure standards

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Malaysia - Occupational Exposure Limits	
Multiplicity factor	3

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)

Hand protection : Protective gloves
Eye protection : Safety glasses
Skin and body protection : Wear suitable protective clothing
Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment

Personal protective equipment symbol(s)



Environmental exposure controls : Avoid release to the environment.

SECTION 9: Physical and chemical properties

Physical state : Liquid
Appearance : No data available
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 : > 93 °C (closed cup) ASTM D7094
Auto-ignition temperature : No data available
Flammability (solid, gas) : Not applicable
Vapor pressure : No additional information available
Relative density : No additional information available
Density : Relative density: ≈ 1
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 : Stable under normal conditions.
Possibility of hazardous reactions : No dangerous reactions known under normal conditions of use.
Conditions to avoid : None under recommended storage and handling conditions (see section 7).
Incompatible materials : No additional information available

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Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Transport hazard class(es)

11.1. Toxicity

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

Sandela (66068-84-6)	
LD50 dermal rat	> 2000 mg/kg
LC50 Inhalation - Rat	> 5.27 mg/l/4h
Ethylene brassylate (105-95-3)	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 5000 mg/kg
Cinnamic alcohol (104-54-1)	
LD50 oral	2000 mg/kg body weight
LD50 dermal rabbit	> 5000 mg/kg
Ambercore (139504-68-0)	
LD50 dermal rat	> 2000 mg/kg
Patchouli oil (8014-09-3)	
LD50 oral rat	> 5 g/kg
beta-Ionone (14901-07-6)	
LD50 oral rat	4590 mg/kg
LD50 oral	3490 mg/kg body weight
Amberwood F (58567-11-6)	
LD50 oral rat	> 5 g/kg
LD50 dermal rabbit	> 5000 mg/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
Cinnamic aldehyde (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
Methyl octine carbonate (111-80-8)	
LD50 oral rat	2220 mg/kg
LD50 oral	1600 mg/kg body weight
LD50 dermal	4500 mg/kg body weight

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Eugenol (97-53-0)	
LD50 oral rat	1930 mg/kg
LD50 oral	2500 mg/kg body weight

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

SECTION 12: Document changes control

12.1. Ecotoxicity

Ecology - general	: The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.
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

Sandela (66068-84-6)	
	> 2000 mg/kg
Ethylene brassylate (105-95-3)	
LD50 dermal rabbit	> 5000 mg/kg
LD50 oral rat	> 5000 mg/kg
Cinnamic alcohol (104-54-1)	
Partition coefficient n-octanol/water (Log Pow)	1.9
LD50 dermal rabbit	> 5000 mg/kg
Ambercore (139504-68-0)	
	> 2000 mg/kg
Patchouli oil (8014-09-3)	
LD50 oral rat	> 5 g/kg
beta-Ionone (14901-07-6)	
LD50 oral rat	4590 mg/kg
Amberwood F (58567-11-6)	
LD50 dermal rabbit	> 5000 mg/kg
LD50 oral rat	> 5 g/kg
Methyl ionone (mixture of isomers) (1335-46-2)	
LC50 - Fish [1]	2.3 mg/l (Exposure time: 96 h - Species: Danio rerio [static])
LD50 dermal rabbit	> 5000 mg/kg
LD50 oral rat	> 5000 mg/kg

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Cinnamic aldehyde (104-55-2)	
Partition coefficient n-octanol/water (Log Pow)	2.22 (at 18 °C)
LD50 dermal rabbit	1260 mg/kg
LD50 oral rat	2220 mg/kg
Methyl octine carbonate (111-80-8)	
LD50 oral rat	2220 mg/kg
Eugenol (97-53-0)	
LC50 - Fish [1]	13 mg/l (Exposure time: 96 h - Species: Danio rerio [semi-static])
LD50 oral rat	1930 mg/kg

12.2. Persistence and degradability

Plum Wood & Clove Leaf #48973F	
Persistence and degradability	No additional information available
Amberwood F (58567-11-6)	
Persistence and degradability	May cause long-term adverse effects in the environment.

12.3. Bioaccumulative potential

Plum Wood & Clove Leaf #48973F	
Bioaccumulative potential	No additional information available
Cinnamic alcohol (104-54-1)	
Partition coefficient n-octanol/water (Log Pow)	1.9
Amberwood F (58567-11-6)	
Bioaccumulative potential	Not established.
Cinnamic aldehyde (104-55-2)	
Partition coefficient n-octanol/water (Log Pow)	2.22 (at 18 °C)

12.4. Mobility in soil

Plum Wood & Clove Leaf #48973F	
Mobility in soil	No additional information available
Cinnamic alcohol (104-54-1)	
Partition coefficient n-octanol/water (Log Pow)	1.9
Cinnamic aldehyde (104-55-2)	
Partition coefficient n-octanol/water (Log Pow)	2.22 (at 18 °C)

12.5. Other adverse effects

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

SECTION 13: Disposal considerations

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

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SECTION 14: Transport information

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

14.3. Transport hazard class(es)

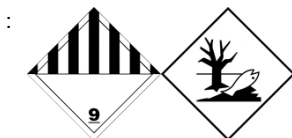
UN RTDG

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



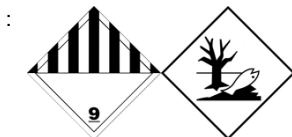
IMDG

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



IATA

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



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

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

HSNO Approval Number	HSR002578
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Cinnamic alcohol (104-54-1)

Hazardous Substances and New Organisms Act

HSNO Approval Number	HSR003482
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Cinnamic aldehyde (104-55-2)

Hazardous Substances and New Organisms Act

HSNO Approval Number	HSR002786
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Eugenol (97-53-0)

Hazardous Substances and New Organisms Act

HSNO Approval Number	HSR003486
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15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

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Full text of H-phrases	
Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
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
Asp. Tox. 1	Aspiration hazard Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Eye Irrit. 2A	Serious eye damage/eye irritation, Category 2A
Hazardous to terrestrial vertebrates	Hazardous to terrestrial vertebrates
Skin Irrit. 2	Skin corrosion/irritation Category 2
Skin Sens. 1	Skin sensitization, Category 1
H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways
H312	Harmful in contact with skin
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
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
H434	Hazardous to terrestrial vertebrates

Safety Data Sheet (SDS), New Zealand

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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