

SECTION 1: Identification

1.1 Product identifier

Product name : Whiskey # :
Product form Mixture
Product code :

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

ZEN AROMA
22c Portside Drive
Mt Maunganui, 3116
New Zealand
PH: 07 578 4755
support@zenaroma.co.nz

1.5. Emergency phone number

Emergency number : 1-800-255-3924; +01-813-248-0585; China:+400-120-0751; Mexico:+01-800-099-0731;
Brazil: +0-800-591-6042; India: +000-800-100-4086

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 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 (4.25 – 8.5 %); Acetyl Diisoamylene (1.25 – 2.5 %); Vertofix (0.6 – 1.2 %);
Coumarin crystals (0.35 – 0.7 %); Helional (0.25 – 0.5 %); Linalyl acetate (0.225 – 0.45 %);
Cyclamal (0.1265 – 0.253 %); Triplal (Vertocitral) (0.125 – 0.25 %); Linalool (0.1 – 0.2 %);
Eugenol (0.075 – 0.15 %); Aldehyde C-16 (0.05 – 0.1 %)
Hazard statements (GHS NZ) : H227 - Combustible liquid
H317 - May cause an allergic skin reaction
H411 - Toxic to aquatic life with long lasting effects
Prevention : P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.
No smoking.
P272 - Contaminated work clothing should not be allowed out of the workplace.
P273 - Avoid release to the environment.
Response : P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
P362+P364 - Take off contaminated clothing and wash it before reuse.
Storage : P403+P235 - Store in a well-ventilated place. Keep cool.

Whiskey

Safety Data Sheet

according to the Hazardous Substances and New Organisms Act (1996)

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	4.25 – 8.5	Skin Sens. 1, H317 Aquatic Chronic 2, H411
Acetyl Diisoamylene	CAS-No.: 86115-11-9	1.25 – 2.5	Flam. Liq. 4, H227 Skin Sens. 1, H317 Aquatic Chronic 2, H411
Amberwood F	CAS-No.: 58567-11-6	0.625 – 1.25	Skin Irrit. 2, H315 Aquatic Chronic 2, H411
acetyl cedrene	CAS-No.: 32388-55-9	0.6 – 1.2	Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Patchouli oil	CAS-No.: 8014-09-3	0.5 – 1	Asp. Tox. 1, H304 Aquatic Chronic 2, H411
Coumarin crystals	CAS-No.: 91-64-5	0.35 – 0.7	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
Helional	CAS-No.: 1205-17-0	0.25 – 0.5	Flam. Liq. 4, H227 Skin Sens. 1, H317 Aquatic Chronic 3, H412
Linalyl acetate	CAS-No.: 115-95-7	0.225 – 0.45	Flam. Liq. 4, H227 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Acute 3, H402
Undecavertol	CAS-No.: 81782-77-6	0.2 – 0.4	Flam. Liq. 4, H227 Aquatic Acute 1, H400
Cyclamal	CAS-No.: 103-95-7	0.1265 – 0.253	Flam. Liq. 4, H227 Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Chronic 2, H411
Triplal (Vertocitral)	CAS-No.: 68039-49-6	0.125 – 0.25	Flam. Liq. 4, H227 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Chronic 3, H412
Linalool	CAS-No.: 78-70-6	0.1 – 0.2	Flam. Liq. 4, H227 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317

Whiskey

Safety Data Sheet

according to the Hazardous Substances and New Organisms Act (1996)

Name	Product identifier	%	Classification according to GHS NZ
Eugenol	CAS-No.: 97-53-0	0.075 – 0.15	Acute Tox. 4 (Oral), H302 Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Acute 3, H402 Hazardous to terrestrial vertebrates, H434
Aldehyde C-16	CAS-No.: 77-83-8	0.05 – 0.1	Skin Sens. 1, H317 Aquatic Acute 2, H401 Aquatic Chronic 2, H411

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. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.
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

Symptoms/effects after skin contact	: May cause an allergic skin reaction.
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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	: Water spray. Dry powder. Foam. Carbon dioxide.
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5.2. Specific hazards arising from the chemical

Fire hazard	: Combustible liquid.
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.
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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. No open flames, no sparks, and no smoking. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapors/spray.
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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".
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6.2. Environmental precautions

Avoid release to the environment.

Whiskey

Safety Data Sheet

according to the Hazardous Substances and New Organisms Act (1996)

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. Notify authorities if product enters sewers or public waters.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Ensure good ventilation of the work station. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Wear personal protective equipment. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapors/spray.
Hygiene measures : 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

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

SECTION 8: Exposure controls and personal protection

8.1. Control parameters - exposure standards

No additional information available

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

Whiskey

Safety Data Sheet

according to the Hazardous Substances and New Organisms Act (1996)

Boiling point	: No data available
Flash point	: 81 °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: \approx 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	: Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.
Incompatible materials	: No additional information available
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

acetyl cedrene (32388-55-9)	
LD50 oral	4500 mg/kg body weight
LD50 dermal rabbit	> 5000 mg/kg
Patchouli oil (8014-09-3)	
LD50 oral rat	> 5 g/kg
Coumarin crystals (91-64-5)	
LD50 oral rat	> 5000 mg/kg
LD50 oral	500 mg/kg body weight
LD50 dermal rat	293 mg/kg
Amberwood F (58567-11-6)	
LD50 oral rat	> 5 g/kg
LD50 dermal rabbit	> 5000 mg/kg
Cyclamal (103-95-7)	
LD50 oral rat	3810 mg/kg
LD50 oral	3810 mg/kg body weight
LD50 dermal rat	> 5000 mg/kg
Helional (1205-17-0)	
LD50 dermal rabbit	> 2000 mg/kg

Whiskey

Safety Data Sheet

according to the Hazardous Substances and New Organisms Act (1996)

Aldehyde C-16 (77-83-8)	
LD50 oral rat	5470 mg/kg
LD50 dermal rat	> 2000 mg/kg
Eugenol (97-53-0)	
LD50 oral rat	1930 mg/kg
LD50 oral	2500 mg/kg body weight
Linalyl acetate (115-95-7)	
LD50 oral rat	14550 mg/kg
LD50 dermal rabbit	> 5000 mg/kg
Triplal (Vertocitral) (68039-49-6)	
LD50 oral	3900 mg/kg body weight
Linalool (78-70-6)	
LD50 oral	2790 mg/kg body weight
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
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	: 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

acetyl cedrene (32388-55-9)	
LD50 dermal rabbit	> 5000 mg/kg
Patchouli oil (8014-09-3)	
LD50 oral rat	> 5 g/kg
Coumarin crystals (91-64-5)	
	293 mg/kg
LD50 oral rat	> 5000 mg/kg
Amberwood F (58567-11-6)	
LD50 dermal rabbit	> 5000 mg/kg
LD50 oral rat	> 5 g/kg

Whiskey

Safety Data Sheet

according to the Hazardous Substances and New Organisms Act (1996)

Cyclamal (103-95-7)	
	> 5000 mg/kg
LD50 oral rat	3810 mg/kg
Helional (1205-17-0)	
LD50 dermal rabbit	> 2000 mg/kg
Aldehyde C-16 (77-83-8)	
LC50 - Fish [1]	4.2 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [semi-static])
	> 2000 mg/kg
LD50 oral rat	5470 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
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

12.2. Persistence and degradability

Whiskey #	
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

Whiskey #	
Bioaccumulative potential	No additional information available
Amberwood F (58567-11-6)	
Bioaccumulative potential	Not established.

12.4. Mobility in soil

Whiskey #	
Mobility in soil	No additional information available

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.

Whiskey

Safety Data Sheet

according to the Hazardous Substances and New Organisms Act (1996)

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

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

Whiskey

Safety Data Sheet

according to the Hazardous Substances and New Organisms Act (1996)

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

Coumarin crystals (91-64-5)

Hazardous Substances and New Organisms Act

HSNO Approval Number	HSR003237
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Eugenol (97-53-0)

Hazardous Substances and New Organisms Act

HSNO Approval Number	HSR003486
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Linalyl acetate (115-95-7)

Hazardous Substances and New Organisms Act

HSNO Approval Number	HSR003499
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Triplal (Vertocitral) (68039-49-6)

Hazardous Substances and New Organisms Act

HSNO Approval Number	HSR003489
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Whiskey

Safety Data Sheet

according to the Hazardous Substances and New Organisms Act (1996)

Linalool (78-70-6)

Hazardous Substances and New Organisms Act

HSNO Approval Number HSR003500

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Issue date : 1/26/2022

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 (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
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 4	Flammable liquids Category 4
Hazardous to terrestrial vertebrates	Hazardous to terrestrial vertebrates
Skin Irrit. 2	Skin corrosion/irritation Category 2
Skin Sens. 1	Skin sensitization, Category 1
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
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H331	Toxic if inhaled
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

Whiskey

Safety Data Sheet

according to the Hazardous Substances and New Organisms Act (1996)

Full text of H-phrases	
H412	Harmful 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 support@zenaroma.co.nz