

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

| | |
|-----------------|------------------------|
| Product form | : Mixture |
| Trade name | : Vintage Gardenia : |
| UFI | H5SV-K2T6-K004-9FAA |
| Product code | : |
| Type of product | : Perfumes, fragrances |
| Product group | : Finished Good |

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

| | |
|----------------------------------|---|
| Main use category | : Industrial use, Professional use |
| Industrial/Professional use spec | : For professional use only Industrial |
| Use of the substance/mixture | : Perfumes, fragrances |
| Function or use category | : Odour agents |

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

ZEN AROMA
22C PORTSIDE DRIVE
MT MAUNGANUI 3116, NEW ZEALAND
T +64 7 578 4755
support@zenaroma.co.nz

1.4. Emergency telephone 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: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

| | |
|---|------|
| Skin sensitisation, Category 1 | H317 |
| Hazardous to the aquatic environment — Chronic Hazard, Category 3 | H412 |
| Full text of H statements : see section 16 | |

Adverse physicochemical, human health and environmental effects

Harmful to aquatic life with long lasting effects. May cause an allergic skin reaction.

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)



GHS07

| | |
|-------------------------|--|
| Signal word (CLP) | : Warning |
| Hazardous ingredients | : Hydroxy; Iso E Super; Geranyl acetate; Linalool; Amyl cinnamic aldehyde |
| Hazard statements (CLP) | : H317 - May cause an allergic skin reaction. H412 - Harmful to aquatic life with long lasting effects. |

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Precautionary statements (CLP) : P272 - Contaminated work clothing should not be allowed out of the workplace.
P273 - Avoid release to the environment.
P280 - Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P302+P352 - IF ON SKIN: Wash with plenty of water.
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
P362+P364 - Take off contaminated clothing and wash it before reuse.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|------------------------|---|------------|---|
| Amyl cinnamic aldehyde | (CAS-No.) 122-40-7 (EC-No.) 204-541-5;453-530-3 | 1.35 – 2.7 | Skin Sens. 1B, H317 Aquatic Chronic 2, H411 |
| Hydroxy | (CAS-No.) 107-75-5 (EC-No.) 203-518-7 (REACH-no) 01-2119973482-31 | 1.2 – 2.4 | Eye Irrit. 2, H319 Skin Sens. 1B, H317 |
| Linalool | (CAS-No.) 78-70-6 (EC-No.) 201-134-4 (EC Index-No.) 603-235-00-2 (REACH-no) 01-2119474016-42 | 1.2 – 2.4 | Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1B, H317 |
| Geranyl acetate | (CAS-No.) 105-87-3 (EC-No.) 203-341-5 (REACH-no) 01-2119973480-35 | 1.05 – 2.1 | Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Chronic 3, H412 |
| Diethyl malonate | (CAS-No.) 105-53-3 (EC-No.) 203-305-9 (REACH-no) 01-2119886972-18 | 1 – 2 | Eye Irrit. 2, H319 |
| Iso E Super | (CAS-No.) 54464-57-2 (EC-No.) 259-174-3 (REACH-no) 01-2119489989-04 | 0.9 – 1.8 | Skin Sens. 1, H317 Aquatic Chronic 2, H411 |
| Benzyl acetate | (CAS-No.) 140-11-4 (EC-No.) 205-399-7 (REACH-no) 01-2119638272-42 | 0.75 – 1.5 | Aquatic Chronic 3, H412 |
| Eugenol | (CAS-No.) 97-53-0 (EC-No.) 202-589-1 | 0.3 – 0.6 | Acute Tox. 4 (Oral), H302 Eye Irrit. 2, H319 Skin Sens. 1B, H317 |
| Grapefruit oil | (CAS-No.) 8016-20-4 (EC-No.) 289-904-6;600-007-4 | 0.15 – 0.3 | Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 |
| Cinnamon leaf oil | (CAS-No.) 8015-91-6 (EC-No.) 283-479-0 (REACH-no) 01-2119487278-23 | 0.1 – 0.2 | Eye Irrit. 2, H319 Skin Sens. 1, H317 Muta. 2, H341 Carc. 1A, H350 Aquatic Chronic 3, H412 |

Full text of H-statements: see section 16

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SECTION 4: First aid measures

4.1. Description of 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 or a doctor if you feel unwell. |

4.2. Most important symptoms and effects, both acute and delayed

| | |
|-------------------------------------|--|
| Symptoms/effects after skin contact | : May cause an allergic skin reaction. |
|-------------------------------------|--|

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

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

5.2. Special hazards arising from the substance or mixture

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

5.3. Advice for firefighters

| | |
|--------------------------------|--|
| 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

6.1.1. For non-emergency personnel

| | |
|----------------------|--|
| Emergency procedures | : Ventilate spillage area. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray. |
|----------------------|--|

6.1.2. For emergency responders

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

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

| | |
|-------------------------|---|
| Methods for cleaning up | : Take up liquid spill into absorbent material. |
| Other information | : Dispose of materials or solid residues at an authorized site. |

6.4. Reference to other sections

For further information refer to section 13.

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. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray. |
|-------------------------------|--|

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Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

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

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

| Benzyl acetate (140-11-4) | |
|---|---|
| Belgium - Occupational Exposure Limits | |
| Limit value (mg/m ³) | 62 mg/m ³ |
| Limit value (ppm) | 10 ppm |
| Denmark - Occupational Exposure Limits | |
| Grænseværdie (langvarig) (mg/m ³) | 61 mg/m ³ |
| Grænseværdie (langvarig) (ppm) | 10 ppm |
| Ireland - Occupational Exposure Limits | |
| OEL (8 hours ref) (ppm) | 10 ppm |
| OEL (15 min ref) (ppm) | 30 ppm (calculated) |
| Latvia - Occupational Exposure Limits | |
| OEL TWA (mg/m ³) | 5 mg/m ³ |
| Lithuania - Occupational Exposure Limits | |
| IPRV (mg/m ³) | 5 mg/m ³ |
| Portugal - Occupational Exposure Limits | |
| OEL TWA (ppm) | 10 ppm |
| OEL chemical category (PT) | A4 - Not Classifiable as a Human Carcinogen |
| Romania - Occupational Exposure Limits | |
| OEL TWA (mg/m ³) | 50 mg/m ³ |
| OEL TWA (ppm) | 8 ppm |
| OEL STEL (mg/m ³) | 80 mg/m ³ |
| OEL STEL (ppm) | 13 ppm |
| Spain - Occupational Exposure Limits | |
| VLA-ED (mg/m ³) | 62 mg/m ³ |
| VLA-ED (ppm) | 10 ppm |
| USA - ACGIH - Occupational Exposure Limits | |
| ACGIH TWA (ppm) | 10 ppm |
| ACGIH chemical category | Not Classifiable as a Human Carcinogen |

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8.2. Exposure controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

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

9.1. Information on basic physical and chemical properties

| | |
|---|--|
| Physical state | : Liquid |
| Colour | : light yellow. amber. |
| Odour | : characteristic. |
| Odour threshold | : No data available |
| pH | : No data available |
| Relative evaporation rate (butylacetate=1) | : No data available |
| Melting point | : Not applicable |
| Freezing point | : No data available |
| Boiling point | : No data available |
| Flash point | : ≥ 93 °C (closed cup) ASTM D7094 |
| Auto-ignition temperature | : No data available |
| Decomposition temperature | : No data available |
| Flammability (solid, gas) | : Not applicable |
| Vapour pressure | : No data available |
| Relative vapour density at 20 °C | : No data available |
| Relative density | : ≈ 0.95 |
| Solubility | : No data available |
| Partition coefficient n-octanol/water (Log Pow) | : No data available |
| Viscosity, kinematic | : No data available |
| Viscosity, dynamic | : No data available |
| Explosive properties | : No data available |
| Oxidising properties | : No data available |
| Explosive limits | : No data available |

9.2. Other information

No additional information available

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SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

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

SECTION 11: Toxicological information

11.1. Information on toxicological effects

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

Eugenol (97-53-0)

| | |
|---------------|-----------------------|
| LD50 oral rat | 1930 mg/kg |
| LD50 oral | 2500 mg/kg bodyweight |

Diethyl malonate (105-53-3)

| | |
|---------------|-------------|
| LD50 oral rat | 14900 µl/kg |
|---------------|-------------|

Benzyl acetate (140-11-4)

| | |
|--------------------|--------------|
| LD50 oral rat | 2490 mg/kg |
| LD50 dermal rabbit | > 5000 mg/kg |

Geranyl acetate (105-87-3)

| | |
|---------------|------------|
| LD50 oral rat | 6330 mg/kg |
|---------------|------------|

Hydroxy (107-75-5)

| | |
|---------------|----------|
| LD50 oral rat | > 5 g/kg |
|---------------|----------|

Linalool (78-70-6)

| | |
|--------------------|-----------------------|
| LD50 oral rat | 2790 mg/kg |
| LD50 oral | 2790 mg/kg bodyweight |
| LD50 dermal rabbit | 2000 mg/kg |

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Amyl cinnamic aldehyde (122-40-7)

| | |
|--------------------|--------------|
| LD50 oral rat | 3730 mg/kg |
| LD50 dermal rabbit | > 2000 mg/kg |

Cinnamon leaf oil (8015-91-6)

| | |
|---------------|------------|
| LD50 oral rat | 2650 mg/kg |
|---------------|------------|

Grapefruit oil (8016-20-4)

| | |
|---------------|----------|
| LD50 oral rat | > 5 g/kg |
|---------------|----------|

| | |
|-----------------------------------|--|
| Skin corrosion/irritation | : Not classified |
| Serious eye damage/irritation | : Not classified |
| Respiratory or skin sensitisation | : May cause an allergic skin reaction. |
| Germ cell mutagenicity | : Not classified |
| Carcinogenicity | : Not classified |

Eugenol (97-53-0)

| | |
|------------|----------------------|
| IARC group | 3 - Not classifiable |
|------------|----------------------|

Benzyl acetate (140-11-4)

| | |
|------------|----------------------|
| IARC group | 3 - Not classifiable |
|------------|----------------------|

| | |
|------------------------|------------------|
| Reproductive toxicity | : Not classified |
| STOT-single exposure | : Not classified |
| STOT-repeated exposure | : Not classified |
| Aspiration hazard | : Not classified |

SECTION 12: Ecological information

12.1. Toxicity

| | |
|---|--|
| Ecology - general | : Harmful 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) | : Harmful to aquatic life with long lasting effects. |

Eugenol (97-53-0)

| | |
|-------------|--|
| LC50 fish 1 | 13 mg/l (Exposure time: 96 h - Species: Danio rerio [semi-static]) |
|-------------|--|

Diethyl malonate (105-53-3)

| | |
|--------------------|--|
| LC50 fish 1 | 10.3 – 13.4 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through]) |
| EC50 Daphnia 1 | 202.3 mg/l (Exposure time: 48 h - Species: Daphnia magna) |
| EC50 72h algae (1) | 508.2 mg/l (Species: Desmodesmus subspicatus) |

Linalool (78-70-6)

| | |
|----------------|---|
| LC50 fish 1 | 27.8 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static]) |
| EC50 Daphnia 1 | 20 mg/l (Exposure time: 48 h - Species: Daphnia magna) |

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| | |
|--------------------|--|
| EC50 96h algae (1) | 88.3 mg/l (Species: Desmodesmus subspicatus) |
|--------------------|--|

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

Diethyl malonate (105-53-3)

| | |
|---|------|
| Partition coefficient n-octanol/water (Log Pow) | 0.96 |
|---|------|

Benzyl acetate (140-11-4)

| | |
|---|------|
| Partition coefficient n-octanol/water (Log Pow) | 1.96 |
|---|------|

Linalool (78-70-6)

| | |
|---|-----------------------|
| Partition coefficient n-octanol/water (Log Pow) | 2.84 – 3.1 (at 25 °C) |
|---|-----------------------|

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

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

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

| | |
|---------------|------------------|
| UN-No. (ADR) | : Not applicable |
| UN-No. (IMDG) | : Not applicable |
| UN-No. (IATA) | : Not applicable |
| UN-No. (ADN) | : Not applicable |
| UN-No. (RID) | : Not applicable |

14.2. UN proper shipping name

| | |
|-----------------------------|------------------|
| Proper Shipping Name (ADR) | : Not applicable |
| Proper Shipping Name (IMDG) | : Not applicable |
| Proper Shipping Name (IATA) | : Not applicable |
| Proper Shipping Name (ADN) | : Not applicable |
| Proper Shipping Name (RID) | : Not applicable |

14.3. Transport hazard class(es)

ADR
Transport hazard class(es) (ADR) : Not applicable

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

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IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

Overland transport

No data available

Transport by sea

No data available

Air transport

No data available

Inland waterway transport

No data available

Rail transport

No data available

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:

| Reference code | Applicable on |
|----------------|--|
| 3(a) | Grapefruit oil |
| 3(b) | Vintage Gardenia #32417F ; Grapefruit oil ; Hydroxy ; Iso E Super ; Eugenol ; Diethyl malonate ; Geranyl acetate ; Linalool ; Amyl cinnamic aldehyde ; Cinnamon leaf oil |
| 3(c) | Vintage Gardenia #32417F ; Grapefruit oil ; Benzyl acetate ; Iso E Super ; Geranyl acetate ; Amyl cinnamic aldehyde ; Cinnamon leaf oil |
| 40. | Grapefruit oil |

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

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15.1.2. National regulations

Germany

Water hazard class (WGK) : WGK 2, Significantly hazardous to water (Classification according to AwSV, Annex 1)
Hazardous Incident Ordinance (12. BImSchV) : Is not subject of the Hazardous Incident Ordinance (12. BImSchV)

Netherlands

SZW-lijst van kankerverwekkende stoffen : Grapefruit oil, Cinnamon leaf oil are listed
SZW-lijst van mutagene stoffen : Grapefruit oil, Cinnamon leaf oil are listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding : None of the components are listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid : None of the components are listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : None of the components are listed

Denmark

Classification remarks : Emergency management guidelines for the storage of flammable liquids must be followed
Danish National Regulations : Young people below the age of 18 years are not allowed to use the product
The requirements from the Danish Working Environment Authorities regarding work with carcinogens must be followed during use and disposal

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Classification according to Regulation (EC) No. 1272/2008 [CLP]:

| | |
|-------------------|------|
| Skin Sens. 1 | H317 |
| Aquatic Chronic 3 | H412 |

Full text of H- and EUH-statements:

| | |
|---------------------|---|
| Acute Tox. 4 (Oral) | Acute toxicity (oral), Category 4 |
| 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 |
| Carc. 1A | Carcinogenicity, Category 1A |
| Eye Irrit. 2 | Serious eye damage/eye irritation, Category 2 |
| Flam. Liq. 3 | Flammable liquids, Category 3 |
| Muta. 2 | Germ cell mutagenicity, Category 2 |
| Skin Irrit. 2 | Skin corrosion/irritation, Category 2 |
| Skin Sens. 1 | Skin sensitisation, Category 1 |
| Skin Sens. 1B | Skin sensitisation, category 1B |
| H226 | Flammable liquid and vapour. |
| H302 | Harmful if swallowed. |
| H304 | May be fatal if swallowed and enters airways. |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H319 | Causes serious eye irritation. |
| H341 | Suspected of causing genetic defects. |
| H350 | May cause cancer. |

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| | |
|------|--|
| H411 | Toxic to aquatic life with long lasting effects. |
| H412 | Harmful to aquatic life with long lasting effects. |