

# SAVARA BEAUTY DOT Fragrance Ladies Inspired by Si

## Safety Data Sheet

according to SANS 10234:2019 and SANS 11014:2010  
Issue date: 6/17/2025 Revision date: 6/17/2027

### SECTION 1: Identification

#### 1.1. Product identifier

Product form : Mixture  
Trade name : DOT Fragrance Ladies Inspired by Si  
Type of product : Perfumes, Fragrances  
Product code : SH1897  
Product group : Cosmetics, personal care products

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

No additional information available

#### 1.3. Supplier's details

##### Manufacturer

Shield Chemicals  
9 London St  
Apex Benoni  
South Africa  
T 0104482444

#### 1.4. Emergency telephone number

No additional information available

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to the United Nations GHS

|   |      |
|---|------|
| Serious eye damage/eye irritation, Category 2A                    | H319 |
| Skin sensitisation, Category 1                                    | H317 |
| Reproductive toxicity, Category 2                                 | H361 |
| Hazardous to the aquatic environment – Chronic Hazard, Category 2 | H411 |

Full text of H-statements: see section 16

#### 2.2. Label elements

##### Labelling according to the United Nations GHS

Hazard pictograms (GHS ZA) :



Signal word (GHS ZA) :

Warning

Hazardous ingredients

1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one; linalool; linalyl acetate; hexyl salicylate; D-limonene; alpha-methyl-1,3-benzodioxole-5-propanal; [3R(3a,3aB,6B,7B,8aa)]-octahydro-6-methoxy-3,6,8,8-tetramethyl-1H-3a,7-methanoazulene; alpha-hexylcinnamaldehyde; 3-(p-Cumenyl)-2-methylpropionaldehyde; cinnamic alcohol; beta-pinene; 1-(2,6,6-trimethylcyclohexa-1,3-dienyl)-2-buten-1-one

Hazard statements (GHS ZA) :

H317 - May cause an allergic skin reaction  
H319 - Causes serious eye irritation  
H361 - Suspected of damaging fertility. (Inhalation)  
H411 - Toxic to aquatic life with long lasting effects

Precautionary statements (GHS ZA) :

P203 - Obtain, read and follow all safety instructions before use.  
P261 - Avoid breathing vapours, spray, mist, gas, fume, dust.  
P272 - Contaminated work clothing should not be allowed out of the workplace.  
P273 - Avoid release to the environment.  
P280 - Wear protective clothing, eye protection, face protection.

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P302+P352 - IF ON SKIN: Wash with plenty of soap and 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.  
P318 - IF exposed or concerned, get medical advice.  
P321 - Specific treatment (see supplemental first aid instruction on this label).  
P333+P317 - If skin irritation or rash occurs: Get medical help.  
P362+P364 - Take off contaminated clothing and wash it before reuse.  
P391 - Collect spillage.  
P405 - Store locked up.  
P501 - Dispose of contents and container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

### 2.3. Other hazards

Adverse physicochemical, human health and environmental effects : Suspected of damaging fertility or the unborn child, May cause an allergic skin reaction, Causes serious eye irritation, Toxic to aquatic life with long lasting effects.

## SECTION 3: Composition/information on ingredients

### 3.1. Substance

Not applicable

### 3.2. Mixture

| Name  | Product identifier                             | %          | Classification according to the United Nations GHS  |
|---|--|------------|---|
| 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one | CAS-No.: 54464-57-2                            | 1.5 – 2.4  | Skin Irrit. 2, H315<br>Eye Dam. 1, H318<br>Skin Sens. 1, H317<br>Aquatic Chronic 1, H410  |
| linalool  | CAS-No.: 78-70-6<br>EC Index-No.: 603-235-00-2 | 0.75 – 1.5 | Flam. Liq. 4, H227<br>Acute Tox. Not classified (Dermal)<br>Skin Sens. 1B, H317   |
| linalyl acetate   | CAS-No.: 115-95-7                              | 0.75 – 1.5 | Flam. Liq. 4, H227<br>Acute Tox. Not classified (Oral)<br>Acute Tox. Not classified (Dermal)<br>Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>Skin Sens. 1B, H317<br>Aquatic Acute 3, H402 |
| hexyl salicylate  | CAS-No.: 6259-76-3                             | 0.3 – 0.75 | Flam. Liq. Not classified<br>Acute Tox. Not classified (Oral)<br>Acute Tox. Not classified (Dermal)<br>Skin Sens. 1, H317<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410             |
| D-limonene  | CAS-No.: 5989-27-5                             | 0.3 – 0.75 | Flam. Liq. 3, H226<br>Skin Irrit. 2, H315<br>Skin Sens. 1B, H317<br>Asp. Tox. 1, H304<br>Aquatic Acute 1, H400<br>Aquatic Chronic 3, H412   |

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| Name  | Product identifier  | %          | Classification according to the United Nations GHS   |
|---|---------------------|------------|--|
| alpha-methyl-1,3-benzodioxole-5-propanal  | CAS-No.: 1205-17-0  | 0.03 – 0.3 | Flam. Liq. Not classified<br>Acute Tox. 5 (Oral), H303<br>Acute Tox. 5 (Dermal), H313<br>Skin Sens. 1B, H317<br>Repr. 2, H361<br>Aquatic Acute 2, H401<br>Aquatic Chronic 2, H411                          |
| [3R(3a,3aB,6B,7B,8aa)]-octahydro-6-methoxy-3,6,8,8-tetramethyl-1H-3a,7-methanoazulene | CAS-No.: 19870-74-7 | 0.03 – 0.3 | Skin Sens. 1, H317<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410   |
| alpha-hexylcinnamaldehyde   | CAS-No.: 101-86-0   | 0.03 – 0.3 | Flam. Liq. Not classified<br>Acute Tox. 5 (Oral), H303<br>Acute Tox. 5 (Dermal), H313<br>Acute Tox. 3 (Inhalation:vapour), H331<br>Skin Sens. 1B, H317<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410 |
| 3-(p-Cumenyl)-2-methylpropionaldehyde   | CAS-No.: 6658-48-6  | 0.03 – 0.3 | Flam. Liq. 3, H226<br>Skin Irrit. 2, H315<br>Skin Sens. 1, H317<br>Repr. 2, H361<br>Aquatic Acute Not classified   |
| cinnamic alcohol  | CAS-No.: 104-54-1   | 0.03 – 0.3 | Acute Tox. 4 (Oral), H302<br>Skin Irrit. 2, H315<br>Eye Irrit. 2A, H319<br>Skin Sens. 1, H317<br>Aquatic Acute 2, H401<br>Aquatic Chronic 2, H411  |
| beta-pinene   | CAS-No.: 127-91-3   | 0.03 – 0.3 | Flam. Liq. 3, H226<br>Acute Tox. 5 (Oral), H303<br>Skin Irrit. 2, H315<br>Skin Sens. 1B, H317<br>Asp. Tox. 1, H304<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410                                     |
| 1-(2,6,6-trimethylcyclohexa-1,3-dienyl)-2-buten-1-one                                 | -                   | 0.03 – 0.3 | Flam. Liq. 2, H225<br>Skin Irrit. 2, H315<br>Skin Sens. 1, H317<br>Aquatic Chronic 2, H411   |

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

|                                       |  |
|---------------------------------------|--|
| First-aid measures general            | : IF exposed or concerned: Get medical advice/attention.   |
| 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 cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. |
| First-aid measures after ingestion    | : 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. |
| Symptoms/effects after eye contact  | : Eye irritation.                      |

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### 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

No additional information available

#### 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

For containment : Collect spillage.  
Methods for cleaning up : Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.  
Other information : Dispose of materials or solid residues at an authorized site.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear personal protective equipment. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/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 locked up. Store in a well-ventilated place. Keep cool.

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### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

No additional information available

#### 8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.  
Environmental exposure controls : Avoid release to the environment.

#### 8.3. 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 inadequate ventilation] wear respiratory protection.

**Personal protective equipment symbol(s):**



#### 8.4. Exposure limit values for the other components

No additional information available

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Physical state : Liquid  
Appearance : No data available  
Colour : No data available  
Odour : No data available  
Odour threshold : No data available  
pH : No data available  
pH solution : No data available  
Relative evaporation rate (butylacetate=1) : No data available  
Relative evaporation rate (ether=1) : No data available  
Melting point : Not applicable  
Freezing point : No data available  
Boiling point : No data available  
Flash point : No data available  
Auto-ignition temperature : No data available  
Decomposition temperature : No data available  
Flammability : Non flammable  
Vapour pressure : No data available  
Vapour pressure at 50°C : No data available  
Relative vapour density at 20°C : No data available  
Relative density : No data available  
Relative density of saturated gas/air mixture : No data available  
Density : No data available  
Relative gas density : No data available  
Solubility : No data available  
Partition coefficient n-octanol/water (Log Pow) : No data available  
Partition coefficient n-octanol/water (Log Kow) : 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

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Lower explosion limit : No data available  
Upper explosion limit : No data available

### 9.2. Other information

No additional information available

## 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

| <b>linalool (78-70-6)</b>           |   |
|-------------------------------------|---|
| LD50 oral rat                       | 2790 mg/kg bodyweight (Equivalent or similar to OECD 401, Rat, Male / female, Weight of evidence, Oral, 014 day(s))                     |
| LD50 oral                           | ≈ 2790 mg/kg  |
| LD50 dermal rabbit                  | 5610 mg/kg bodyweight (Equivalent or similar to OECD 402, 24 h, Rabbit, Experimental value, Dermal, 7 day(s))                           |
| <b>linalyl acetate (115-95-7)</b>   |   |
| LD50 oral rat                       | > 9000 mg/kg bodyweight (BASF test, Rat, Male / female, Experimental value, Oral, 7 day(s))   |
| LD50 dermal rabbit                  | > 5000 mg/kg bodyweight (Rabbit, Experimental value, Dermal, 14 day(s))   |
| <b>hexyl salicylate (6259-76-3)</b> |   |
| LD50 oral rat                       | > 5000 mg/kg (Equivalent or similar to OECD 401, Rat, Experimental value, Oral)   |
| LD50 dermal rabbit                  | > 5000 mg/kg (Equivalent or similar to OECD 402, Rabbit, Experimental value, Dermal)  |
| <b>D-limonene (5989-27-5)</b>       |   |
| LD50 oral rat                       | > 2000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 423 (Acute Oral toxicity - Acute Toxic Class Method) |

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| <b>alpha-methyl-1,3-benzodioxole-5-propanal (1205-17-0)</b> |   |
|---|---|
| LD50 oral rat   | 3362 mg/kg bodyweight (Equivalent or similar to OECD 401, Rat, Female, Experimental value, Oral, 14 day(s))             |
| LD50 dermal rabbit  | > 2000 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, Rabbit, Male / female, Experimental value, Dermal, 14 day(s)) |

| <b>alpha-hexylcinnamaldehyde (101-86-0)</b> |   |
|---|---|
| LD50 oral rat                               | 3100 mg/kg (Equivalent or similar to OECD 401, Rat, Male, Experimental value of similar product, Isomer, Oral, 14 day(s))                             |
| LD50 dermal rabbit                          | > 3000 mg/kg (Equivalent or similar to OECD 402, 24 h, Rabbit, Female, Experimental value of similar product, Isomer, Dermal, 7 day(s))               |
| LC50 Inhalation - Rat                       | > 5 mg/l (Equivalent or similar to OECD 403, 4 h, Rat, Male / female, Experimental value of similar product, Isomer, Inhalation (aerosol), 14 day(s)) |

| <b>beta-pinene (127-91-3)</b> |                        |
|-------------------------------|------------------------|
| LD50 oral rat                 | 4700 mg/kg (Rat, Oral) |

|                                   |  |
|-----------------------------------|--|
| Skin corrosion/irritation         | : Not classified                                 |
| 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. (Inhalation). |
| STOT-single exposure              | : Not classified                                 |
| STOT-repeated exposure            | : Not classified                                 |
| Aspiration hazard                 | : Not classified                                 |

## SECTION 12: Ecological information

### 12.1. Toxicity

|   |  |
|---|--|
| Ecology - general   | : Toxic to aquatic life with long lasting effects. |
| Hazardous to the aquatic environment, short-term (acute)  | : Not classified                                   |
| Hazardous to the aquatic environment, long-term (chronic) | : Toxic to aquatic life with long lasting effects. |

| <b>linalool (78-70-6)</b>                                  |   |
|--|---|
| LC50 - Fish [1]  | 27.8 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Oncorhynchus mykiss, Static system, Fresh water, Experimental value, GLP)     |
| EC50 - Crustacea [1]                                       | 59 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, GLP) |
| ErC50 algae  | 156.7 mg/l (DIN 38412-9, 96 h, Desmodesmus subspicatus, Static system, Fresh water, Experimental value, Nominal concentration)      |
| Partition coefficient n-octanol/water (Log Pow)            | 2.8 (Experimental value, Equivalent or similar to OECD 107, 25 °C)  |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc) | 1.9 – 2.2 (log Koc, SRC PCKOCWIN v2.0, Calculated value)  |

| <b>linalyl acetate (115-95-7)</b> |  |
|-----------------------------------|--|
| LC50 - Fish [1]                   | 11 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Cyprinus carpio, Flow-through system, Fresh water, Experimental value, GLP)                  |
| EC50 - Crustacea [1]              | 59 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, Locomotor effect) |
| ErC50 algae                       | 157 mg/l (DIN 38412-9, 96 h, Desmodesmus subspicatus, Static system, Fresh water, Experimental value, Nominal concentration)                     |

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| <b>linalyl acetate (115-95-7)</b>                           |  |
|---|--|
| BCF - Fish [1]  | 174 l/kg (BCFBAF v3.00, Pisces, Calculated value, Fresh weight)  |
| Partition coefficient n-octanol/water (Log Pow)             | 3.9 (Experimental value, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 25 °C)   |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc)  | 2.7 (log Koc, PCKOCWIN v1.66, Calculated value)  |
| <b>hexyl salicylate (6259-76-3)</b>                         |  |
| LC50 - Fish [1]   | 100 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Danio rerio, Static system, Fresh water, Experimental value)  |
| EC50 - Crustacea [1]  | 0.36 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Semi-static system, Fresh water, Experimental value, GLP)   |
| ErC50 algae   | 0.61 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Desmodesmus subspicatus, Static system, Fresh water, Read-across, GLP)  |
| BCF - Fish [1]  | 8913 l/kg (Pisces, Flow-through system, Calculated value)  |
| Partition coefficient n-octanol/water (Log Pow)             | 5.5 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 30 °C)  |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc)  | 3.5 (log Koc, Calculated value)  |
| <b>D-limonene (5989-27-5)</b>                               |  |
| LC50 - Fish [1]   | 720 µg/l Test organisms (species): Pimephales promelas   |
| EC50 - Crustacea [1]  | 0.36 mg/l Test organisms (species): Daphnia magna  |
| EC50 72h - Algae [1]  | 8 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)  |
| NOEC (chronic)  | 0.115 mg/l Test organisms (species): other:For freshwater invertebrates, species frequently include Daphnia magna or Daphnia pulex. Duration: '16 d'                               |
| <b>alpha-methyl-1,3-benzodioxole-5-propanal (1205-17-0)</b> |  |
| LC50 - Fish [1]   | 5.3 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Oncorhynchus mykiss, Semi-static system, Fresh water, Experimental value, GLP)  |
| EC50 - Crustacea [1]  | 8.3 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, Locomotor effect)                                  |
| ErC50 algae   | 28 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, Nominal concentration)                     |
| Partition coefficient n-octanol/water (Log Pow)             | 2.4 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 25 °C)  |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc)  | 1.85 (log Koc, OECD 121: Estimation of the Adsorption Coefficient (Koc) on Soil and on Sewage Sludge using High Performance Liquid Chromatography (HPLC), Experimental value, GLP) |
| <b>alpha-hexylcinnamaldehyde (101-86-0)</b>                 |  |
| LC50 - Fish [1]   | 1.7 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Pimephales promelas, Flow-through system, Fresh water, Experimental value of similar product, Other isomer)                   |
| EC50 - Crustacea [1]  | 0.36 – 0.59 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Flow-through system, Fresh water, Experimental value of similar product, Other isomer)     |
| ErC50 algae   | > 0.065 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Desmodesmus subspicatus, Static system, Fresh water, Experimental value of similar product, Other isomer)              |
| Partition coefficient n-octanol/water (Log Pow)             | 5.3 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 24 °C)  |

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|   |  |
|---|--|
| <b>alpha-hexylcinnamaldehyde (101-86-0)</b>   |  |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc)                                  | 4.2 (log Koc, OECD 121: Estimation of the Adsorption Coefficient (Koc) on Soil and on Sewage Sludge using High Performance Liquid Chromatography (HPLC), Experimental value, Other isomer) |
| <b>3-(p-Cumenyl)-2-methylpropionaldehyde (6658-48-6)</b>                                    |  |
| LC50 - Fish [1]   | ≈ 11.3 mg/l  |
| EC50 72h - Algae [1]  | ≈ 1.44 mg/l  |
| <b>cinnamic alcohol (104-54-1)</b>  |  |
| LC50 - Fish [1]   | 9 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Danio rerio, Static system, Fresh water, Experimental value, Lethal)  |
| EC50 - Crustacea [1]  | 3.21 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, Locomotor effect)   |
| EC50 72h - Algae [1]  | 31.6 mg/l (OECD 201: Alga, Growth Inhibition Test, Desmodesmus subspicatus, Static system, Fresh water, Experimental value, Growth rate)   |
| BCF - Fish [1]  | 4.989 l/kg (BCFBAF v3.01, Estimated value)   |
| Partition coefficient n-octanol/water (Log Pow)   | 1.636 (Practical experience/observation, 27 °C)  |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc)                                  | 1.958 (log Koc, OECD 121: Estimation of the Adsorption Coefficient (Koc) on Soil and on Sewage Sludge using High Performance Liquid Chromatography (HPLC), Experimental value)             |
| <b>beta-pinene (127-91-3)</b>   |  |
| LC50 - Fish [1]   | 0.557 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Cyprinus carpio, Semi-static system, Fresh water, Weight of evidence, Other isomer)   |
| ErC50 algae   | 0.826 mg/l (OECD 201: Alga, Growth Inhibition Test, 48 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Weight of evidence, Other isomer)                                   |
| BCF - Fish [1]  | 1125 l/kg (BCFBAF v3.01, Pisces, Fresh water, QSAR, Other isomer)  |
| Partition coefficient n-octanol/water (Log Pow)   | 4.425 (Similar product, Read-across, Equivalent or similar to OECD 107, 25 °C)   |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc)                                  | 3.009 – 3.836 (log Koc, Calculated value, Other isomer)  |
| <b>12.2. Persistence and degradability</b>  |  |
| <b>DOT Fragrance Ladies Inspired by Si</b>  |  |
| Persistence and degradability   | Rapidly degradable   |
| <b>1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one (54464-57-2)</b> |  |
| Persistence and degradability   | Rapidly degradable   |
| <b>linalool (78-70-6)</b>   |  |
| Persistence and degradability   | Readily biodegradable in water.  |
| <b>linalyl acetate (115-95-7)</b>   |  |
| Persistence and degradability   | Readily biodegradable in water.  |
| <b>hexyl salicylate (6259-76-3)</b>   |  |
| Persistence and degradability   | Readily biodegradable in water.  |
| ThOD  | 2.36 g O <sub>2</sub> /g substance   |
| <b>D-limonene (5989-27-5)</b>   |  |
| Persistence and degradability   | Rapidly degradable   |

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|   |  |
|---|--|
| <b>alpha-methyl-1,3-benzodioxole-5-propanal (1205-17-0)</b>   |  |
| Persistence and degradability   | Not readily biodegradable in water.  |
| <b>[3R(3a,3aB,6B,7B,8aa)]-octahydro-6-methoxy-3,6,8,8-tetramethyl-1H-3a,7-methanoazulene (19870-74-7)</b> |  |
| Persistence and degradability   | Rapidly degradable   |
| <b>alpha-hexylcinnamaldehyde (101-86-0)</b>   |  |
| Persistence and degradability   | Readily biodegradable in water.  |
| <b>3-(p-Cumenyl)-2-methylpropionaldehyde (6658-48-6)</b>  |  |
| Persistence and degradability   | Rapidly degradable   |
| <b>cinnamic alcohol (104-54-1)</b>  |  |
| Persistence and degradability   | Readily biodegradable in water.  |
| <b>beta-pinene (127-91-3)</b>   |  |
| Persistence and degradability   | Readily biodegradable in water.  |
| <b>1-(2,6,6-trimethylcyclohexa-1,3-dienyl)-2-buten-1-one</b>  |  |
| Persistence and degradability   | Rapidly degradable   |
| <b>12.3. Bioaccumulative potential</b>  |  |
| <b>DOT Fragrance Ladies Inspired by Si</b>  |  |
| Bioaccumulative potential   | No additional information available  |
| <b>linalool (78-70-6)</b>   |  |
| Partition coefficient n-octanol/water (Log Pow)   | 2.8 (Experimental value, Equivalent or similar to OECD 107, 25 °C)   |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc)  | 1.9 – 2.2 (log Koc, SRC PCKOCWIN v2.0, Calculated value)   |
| Bioaccumulative potential   | Low potential for bioaccumulation (Log Kow < 4).   |
| <b>linalyl acetate (115-95-7)</b>   |  |
| BCF - Fish [1]  | 174 l/kg (BCFBAF v3.00, Pisces, Calculated value, Fresh weight)  |
| Partition coefficient n-octanol/water (Log Pow)   | 3.9 (Experimental value, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 25 °C)   |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc)  | 2.7 (log Koc, PCKOCWIN v1.66, Calculated value)  |
| Bioaccumulative potential   | Low potential for bioaccumulation (Log Kow < 4).   |
| <b>hexyl salicylate (6259-76-3)</b>   |  |
| BCF - Fish [1]  | 8913 l/kg (Pisces, Flow-through system, Calculated value)  |
| Partition coefficient n-octanol/water (Log Pow)   | 5.5 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 30 °C)  |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc)  | 3.5 (log Koc, Calculated value)  |
| Bioaccumulative potential   | High potential for bioaccumulation (BCF > 5000).   |
| <b>alpha-methyl-1,3-benzodioxole-5-propanal (1205-17-0)</b>   |  |
| Partition coefficient n-octanol/water (Log Pow)   | 2.4 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 25 °C)  |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc)  | 1.85 (log Koc, OECD 121: Estimation of the Adsorption Coefficient (Koc) on Soil and on Sewage Sludge using High Performance Liquid Chromatography (HPLC), Experimental value, GLP) |

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| <b>alpha-methyl-1,3-benzodioxole-5-propanal (1205-17-0)</b> |  |
|---|--|
| Bioaccumulative potential                                   | Low potential for bioaccumulation (Log Kow < 4).   |
| <b>alpha-hexylcinnamaldehyde (101-86-0)</b>                 |  |
| Partition coefficient n-octanol/water (Log Pow)             | 5.3 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 24 °C)  |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc)  | 4.2 (log Koc, OECD 121: Estimation of the Adsorption Coefficient (Koc) on Soil and on Sewage Sludge using High Performance Liquid Chromatography (HPLC), Experimental value, Other isomer) |
| Bioaccumulative potential                                   | High potential for bioaccumulation (Log Kow > 5).  |
| <b>cinnamic alcohol (104-54-1)</b>                          |  |
| BCF - Fish [1]  | 4.989 l/kg (BCFBAF v3.01, Estimated value)   |
| Partition coefficient n-octanol/water (Log Pow)             | 1.636 (Practical experience/observation, 27 °C)  |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc)  | 1.958 (log Koc, OECD 121: Estimation of the Adsorption Coefficient (Koc) on Soil and on Sewage Sludge using High Performance Liquid Chromatography (HPLC), Experimental value)             |
| Bioaccumulative potential                                   | Low potential for bioaccumulation (Log Kow < 4).   |
| <b>beta-pinene (127-91-3)</b>                               |  |
| BCF - Fish [1]  | 1125 l/kg (BCFBAF v3.01, Pisces, Fresh water, QSAR, Other isomer)  |
| Partition coefficient n-octanol/water (Log Pow)             | 4.425 (Similar product, Read-across, Equivalent or similar to OECD 107, 25 °C)   |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc)  | 3.009 – 3.836 (log Koc, Calculated value, Other isomer)  |
| Bioaccumulative potential                                   | Potential for bioaccumulation (4 ≤ Log Kow ≤ 5).   |

### 12.4. Mobility in soil

| <b>DOT Fragrance Ladies Inspired by Si</b>                 |  |
|--|--|
| Mobility in soil   | No additional information available  |
| <b>linalool (78-70-6)</b>                                  |  |
| Partition coefficient n-octanol/water (Log Pow)            | 2.8 (Experimental value, Equivalent or similar to OECD 107, 25 °C)                                     |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc) | 1.9 – 2.2 (log Koc, SRC PCKOCWIN v2.0, Calculated value)   |
| Ecology - soil   | Low potential for adsorption in soil.  |
| <b>linalyl acetate (115-95-7)</b>                          |  |
| Surface tension  | No data available in the literature  |
| Partition coefficient n-octanol/water (Log Pow)            | 3.9 (Experimental value, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 25 °C) |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc) | 2.7 (log Koc, PCKOCWIN v1.66, Calculated value)  |
| Ecology - soil   | Low potential for adsorption in soil.  |
| <b>hexyl salicylate (6259-76-3)</b>                        |  |
| Surface tension  | No data available in the literature  |
| Partition coefficient n-octanol/water (Log Pow)            | 5.5 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 30 °C)        |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc) | 3.5 (log Koc, Calculated value)  |

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| <b>hexyl salicylate (6259-76-3)</b>                         |  |
|---|--|
| Ecology - soil  | Low potential for mobility in soil.  |
| <b>alpha-methyl-1,3-benzodioxole-5-propanal (1205-17-0)</b> |  |
| Partition coefficient n-octanol/water (Log Pow)             | 2.4 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 25 °C)  |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc)  | 1.85 (log Koc, OECD 121: Estimation of the Adsorption Coefficient (Koc) on Soil and on Sewage Sludge using High Performance Liquid Chromatography (HPLC), Experimental value, GLP)         |
| Ecology - soil  | Highly mobile in soil.   |
| <b>alpha-hexylcinnamaldehyde (101-86-0)</b>                 |  |
| Partition coefficient n-octanol/water (Log Pow)             | 5.3 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 24 °C)  |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc)  | 4.2 (log Koc, OECD 121: Estimation of the Adsorption Coefficient (Koc) on Soil and on Sewage Sludge using High Performance Liquid Chromatography (HPLC), Experimental value, Other isomer) |
| Ecology - soil  | Low potential for mobility in soil.  |
| <b>cinnamic alcohol (104-54-1)</b>                          |  |
| Partition coefficient n-octanol/water (Log Pow)             | 1.636 (Practical experience/observation, 27 °C)  |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc)  | 1.958 (log Koc, OECD 121: Estimation of the Adsorption Coefficient (Koc) on Soil and on Sewage Sludge using High Performance Liquid Chromatography (HPLC), Experimental value)             |
| Ecology - soil  | Highly mobile in soil.   |
| <b>beta-pinene (127-91-3)</b>                               |  |
| Partition coefficient n-octanol/water (Log Pow)             | 4.425 (Similar product, Read-across, Equivalent or similar to OECD 107, 25 °C)   |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc)  | 3.009 – 3.836 (log Koc, Calculated value, Other isomer)  |
| Ecology - soil  | Low potential for mobility in soil.  |

### 12.5. Other adverse effects

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

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

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

## SECTION 14: Transport information




In accordance with SANS / UN RTDG / IMDG / IATA

| SANS                       | IMDG               | IATA               |
|----------------------------|--------------------|--------------------|
| 14.1. UN number            |                    |                    |
| 1266                       | 1266               | 1266               |
| 14.2. Proper Shipping Name |                    |                    |
| PERFUMERY PRODUCTS         | PERFUMERY PRODUCTS | Perfumery products |

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| SANS  | IMDG   | IATA  |
|---|--|---|
| <b>Transport document description</b>   |  |   |
| Not applicable  | UN 1266 PERFUMERY PRODUCTS, 3, III,<br>MARINE POLLUTANT/ENVIRONMENTALLY<br>HAZARDOUS | UN 1266 Perfumery products, 3, III,<br>ENVIRONMENTALLY HAZARDOUS                    |
| <b>14.3. Transport hazard class(es)</b>   |  |   |
| 3   | 3  | 3   |
|  |     |  |
| <b>14.4. Packing group</b>  |  |   |
| III   | III  | III   |
| <b>14.5. Environmental hazards</b>  |  |   |
| Dangerous for the environment : Yes   | Dangerous for the environment : Yes<br>Marine pollutant : Yes                        | Dangerous for the environment : Yes   |
| No supplementary information available  |  |   |

### 14.6. Special precautions for user

#### SANS

|   |                     |
|---|---------------------|
| Special provisions (SANS)   | : 223               |
| Limited quantities (SANS)   | : 5 L               |
| Limited quantities (SANS)   | : 5 L               |
| Packagings, large packagings and IBCs Packing instructions (SANS) | : P001, IBC03, LP01 |
| Portable tank and bulk containers instructions (SANS)             | : T2                |
| Portable tank and bulk container special provisions (SANS)        | : TP1               |

#### IMDG

|                                    |   |
|------------------------------------|---|
| Special provisions (IMDG)          | : 163, 223, 904, 955  |
| Limited quantities (IMDG)          | : 5 L   |
| Excepted quantities (IMDG)         | : E1  |
| Packing instructions (IMDG)        | : P001, LP01  |
| IBC packing instructions (IMDG)    | : IBC03   |
| Tank instructions (IMDG)           | : T2  |
| Tank special provisions (IMDG)     | : TP1   |
| EmS-No. (Fire)                     | : F-E - FIRE SCHEDULE Echo - NON-WATER-REACTIVE FLAMMABLE LIQUIDS |
| EmS-No. (Spillage)                 | : S-D - SPILLAGE SCHEDULE Delta - FLAMMABLE LIQUIDS               |
| Stowage category (IMDG)            | : A   |
| Properties and observations (IMDG) | : Miscibility with water depends upon the composition.            |

#### IATA

|  |           |
|--|-----------|
| PCA Excepted quantities (IATA)               | : E1      |
| PCA Limited quantities (IATA)                | : Y344    |
| PCA limited quantity max net quantity (IATA) | : 10L     |
| PCA packing instructions (IATA)              | : 355     |
| PCA max net quantity (IATA)                  | : 60L     |
| CAO packing instructions (IATA)              | : 366     |
| CAO max net quantity (IATA)                  | : 220L    |
| Special provisions (IATA)                    | : A3, A72 |
| ERG code (IATA)                              | : 3L      |

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

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### SECTION 15: Regulatory information

#### 15.1. National regulations

##### 15.1.1. OCCUPATIONAL HEALTH AND SAFETY ACT, 1993

| Prohibited Hazardous Chemical Agents |
|--------------------------------------|
| Not regulated                        |

##### 15.1.2. National Environmental Management Act, 1998

| Regulation No. 51358 (Prior Informed Consent Procedure Regulations, 2024) |
|---|
| Not regulated   |

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

No additional information available

### SECTION 16: Other information

Issue date : 6/17/2025  
Revision date : 6/17/2027

| Full text of H-statements |   |
|---------------------------|---|
| H224                      | Extremely flammable liquid and vapour                             |
| H225                      | Highly flammable liquid and vapour                                |
| H226                      | Flammable liquid and vapour                                       |
| H227                      | Combustible liquid  |
| H302                      | Harmful if swallowed  |
| H303                      | May be harmful if swallowed                                       |
| H304                      | May be fatal if swallowed and enters airways                      |
| H313                      | May be harmful in contact with skin                               |
| H315                      | Causes skin irritation  |
| H317                      | May cause an allergic skin reaction                               |
| H318                      | Causes serious eye damage   |
| H319                      | Causes serious eye irritation                                     |
| H331                      | Toxic if inhaled  |
| H332                      | Harmful if inhaled  |
| H361                      | Suspected of damaging fertility or the unborn child               |
| H372                      | Causes damage to organs through prolonged or repeated exposure    |
| H373                      | May cause damage to organs through prolonged or repeated exposure |
| 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                 |

Safety Data Sheet (SDS), South Africa

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This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.