



# Ginger Cookie #24263F

## 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)  
Date of issue: 11/03/2020 Revision date: 28/10/2020 Supersedes: V 1.0  
Version: 2.0

### SECTION 1: Identification of the hazardous chemical and of the supplier

#### 1.1 Product identifier

Product name : Ginger Cookie #24263F  
Product form : Mixture  
Type of product : Perfumes, fragrances  
Product code : 24263F

#### 1.2 Other means of identification

No additional information available

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

Recommended use : Perfumes, fragrances

#### 1.4 Supplier's details

CANDLE CREATIONS  
34B WILLIAM PICKERING DRIVE  
ROSEDALE, AUCKLAND, 0632  
NEW ZEALAND  
T 09-448-1920

[info@candlecreations.co.nz](mailto:info@candlecreations.co.nz) – [www.candlecreations.co.nz](http://www.candlecreations.co.nz)

#### 1.5 Emergency phone number

Emergency number : NZ NATIONAL POISONS CENTRE – 0800 POISON (0800-764-766)

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

|      |                                                                   |
|------|-------------------------------------------------------------------|
| 9.3B | Ecotoxicity to terrestrial vertebrates B                          |
| 6.1D | Flammable liquids Not classified                                  |
| 6.1E | Acute toxicity (oral), Category 4                                 |
| 6.3A | Acute toxicity (dermal), Category 5                               |
| 6.4A | Skin corrosion/irritation, Category 2                             |
| 6.5B | Serious eye damage/eye irritation, Category 2                     |
| 9.1D | Skin sensitisation, Category 1                                    |
| 9.1B | Hazardous to the aquatic environment — Acute Hazard, Category 2   |
|      | Hazardous to the aquatic environment — Chronic Hazard, Category 2 |

#### 2.2 Label elements

##### GHS NZ labelling

Hazard pictograms (GHS NZ)



Signal word (GHS NZ)

: Warning

Contains

: Benzyl benzoate (51 – 71 %) ; Cinnamic aldehyde (3.1 – 13.1 %) ; Eugenol (1.55 – 6.55 %) ; Ethyl vanillin crystals (0.62 – 2.62 %) ; Coumarin crystals (0.465 – 1.965 %) ; Lemon oil (0.31 – 1.31 %) ; Phenylethyl alcohol (0.31 – 1.31 %) ; Heliotropine crystals (0.1 – 1 %) ; Amyl cinnamic aldehyde (0.1 – 1 %) ; Cinnamalva (0.1 – 1 %) ; acetyl propionyl (0.1 – 1 %) ; Methyl cinnamate (0.1 – 1 %)

Hazard statements (GHS NZ)

: H302 - Harmful if swallowed.  
H313 - May be 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  
H411 - Toxic to aquatic life with long lasting effects.  
H432 - Toxic to terrestrial vertebrates

Prevention

: P264 - Wash hands thoroughly after handling  
P270 - Do not eat, drink or smoke when using this product.  
P272 - Contaminated work clothing should not be allowed out of the workplace.  
P273 - Avoid release to the environment.

Response

: P312 - Call a POISON CENTER/doctor if you feel unwell.

Disposal

: P501 - Dispose of contents/container in accordance with local/national laws and regulations

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### 2.3. Other hazards not contributing to the classification

No additional information available

## SECTION 3: Composition and information of the ingredients of the hazardous chemical

### 3.1. Substances

Not applicable

### 3.2. Mixtures

| Name                    | Product identifier  | %             | Classification according to GHS NZ                                                                                                                                                                                                             |
|-------------------------|---------------------|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Benzyl benzoate         | (CAS-No.) 120-51-4  | 51–71         | 9.3B: Ecotoxicity to terrestrial vertebrates B, H432<br>Flam. Liq. Not classified<br>6.1D: Acute Tox. 4 (Oral), H302<br>6.1E: Acute Tox. 5 (Dermal), H313<br>9.1D: Aquatic Acute 2, H401<br>9.1B: Aquatic Chronic 2, H411                      |
| Cinnamic aldehyde       | (CAS-No.) 104-55-2  | 3.1 – 13.1    | 9.3C: Ecotoxicity to terrestrial vertebrates C, H433<br>Flam. Liq. Not classified<br>6.1E: Acute Tox. 5 (Oral), H303<br>6.1D: Acute Tox. 4 (Dermal), H312<br>6.3A: Skin Irrit. 2, H315<br>6.4A: Eye Irrit. 2, H319<br>6.5B: Skin Sens. 1, H317 |
| Eugenol                 | (CAS-No.) 97-53-0   | 1.55 – 6.55   | 9.3C: Ecotoxicity to terrestrial vertebrates C, H433<br>Flam. Liq. Not classified<br>6.1D: Acute Tox. 4 (Oral), H302<br>6.4A: Eye Irrit. 2, H319<br>6.5B: Skin Sens. 1, H317<br>9.1D: Aquatic Acute 3, H402                                    |
| Ethyl vanillin crystals | (CAS-No.) 121-32-4  | 0.62 – 2.62   | 9.3C: Ecotoxicity to terrestrial vertebrates C, H433<br>6.1D: Acute Tox. 4 (Oral), H302<br>6.4A: Eye Irrit. 2, H319<br>9.1D: Aquatic Acute 3, H402                                                                                             |
| Coumarin crystals       | (CAS-No.) 91-64-5   | 0.465 – 1.965 | 6.1C: Acute Tox. 3 (Oral), H301<br>6.1C: Acute Tox. 3 (Dermal), H311<br>6.5B: Skin Sens. 1, H317<br>9.1B: Aquatic Chronic 2, H411                                                                                                              |
| Vanillin                | (CAS-No.) 121-33-5  | 0.403 – 1.703 | Acute Tox. Not classified (Dermal)<br>6.4A: Eye Irrit. 2, H319<br>9.1D: Aquatic Acute 3, H402                                                                                                                                                  |
| Anisic aldehyde         | (CAS-No.) 123-11-5  | 0.31 – 1.31   | Flam. Liq. Not classified<br>Acute Tox. Not classified (Dermal)<br>9.1C: Aquatic Chronic 3, H412                                                                                                                                               |
| Phenylethyl alcohol     | (CAS-No.) 60-12-8   | 0.31 – 1.31   | 9.3C: Ecotoxicity to terrestrial vertebrates C, H433<br>Flam. Liq. Not classified<br>6.1D: Acute Tox. 4 (Oral), H302<br>6.1E: Acute Tox. 5 (Dermal), H313<br>6.4A: Eye Irrit. 2, H319<br>Aquatic Acute Not classified                          |
| Cyclotene crystals      | (CAS-No.) 80-71-7   | 0.1–1         | 6.1D: Acute Tox. 4 (Oral), H302                                                                                                                                                                                                                |
| Methyl cinnamate        | (CAS-No.) 103-26-4  | 0.1–1         | 6.1E: Acute Tox. 5 (Oral), H303<br>6.5B: Skin Sens. 1, H317<br>9.1D: Aquatic Acute 2, H401                                                                                                                                                     |
| Benzene carboxaldehyde  | (CAS-No.) 100-52-7  | 0.1–1         | 9.3C: Ecotoxicity to terrestrial vertebrates C, H433<br>3.1D: Flam. Liq. 4, H227<br>6.1D: Acute Tox. 4 (Oral), H302<br>9.1D: Aquatic Acute 3, H402                                                                                             |
| Cinnamyl acetate        | (CAS-No.) 103-54-8  | 0.1–1         | Flam. Liq. Not classified<br>6.1E: Acute Tox. 5 (Oral), H303<br>6.4A: Eye Irrit. 2, H319                                                                                                                                                       |
| Heliotropine crystals   | (CAS-No.) 120-57-0  | 0.1–1         | 6.1E: Acute Tox. 5 (Oral), H303<br>6.5B: Skin Sens. 1, H317<br>9.1D: Aquatic Acute 2, H401                                                                                                                                                     |
| Amyl cinnamic aldehyde  | (CAS-No.) 122-40-7  | 0.1–1         | Flam. Liq. Not classified<br>6.1E: Acute Tox. 5 (Oral), H303<br>6.5B: Skin Sens. 1, H317<br>9.1B: Aquatic Chronic 2, H411                                                                                                                      |
| Vetol plus crystals     | (CAS-No.) 4940-11-8 | 0.1–1         | 9.3C: Ecotoxicity to terrestrial vertebrates C, H433<br>6.1D: Acute Tox. 4 (Oral), H302<br>Aquatic Acute Not classified                                                                                                                        |
| Terpineol               | (CAS-No.) 8000-41-7 | 0.1–1         | 3.1D: Flam. Liq. 4, H227<br>6.1E: Acute Tox. 5 (Oral), H303<br>6.3A: Skin Irrit. 2, H315<br>6.4A: Eye Irrit. 2, H319                                                                                                                           |

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| Name             | Product identifier  | %     | Classification according to GHS NZ                                                                                                                                            |
|------------------|---------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Cinnamalva       | (CAS-No.) 1885-38-7 | 0.1–1 | Flam. Liq. Not classified<br>6.1C: Acute Tox. 3 (Oral), H301<br>6.1D: Acute Tox. 4 (Dermal), H312<br>6.1D: Acute Tox. 4<br>(Inhalation:gas), H332<br>6.5B: Skin Sens. 1, H317 |
| acetyl propionyl | (CAS-No.) 600-14-6  | 0.1–1 | 3.1B: Flam. Liq. 2, H225<br>6.1E: Acute Tox. 5 (Oral), H303<br>8.3A: Eye Dam. 1, H318<br>6.5B: Skin Sens. 1, H317<br>6.9B: STOT RE 2, H373                                    |

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

|                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| First-aid measures general            | : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible). Call a poison center or a doctor if you feel unwell.                                                                                                                                                                                                                                                                                                                                                                            |
| First-aid measures after inhalation   | : Remove person to fresh air and keep comfortable for breathing. Allow affected person to breathe fresh air. Allow the victim to rest.                                                                                                                                                                                                                                                                                                                                                                                                                            |
| First-aid measures after skin contact | : Wash with plenty of water/.... Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention. Get medical advice/attention. Specific treatment (see Call a physician immediately on this label). If skin irritation or rash occurs: Get immediate medical advice/attention. Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention. |
| First-aid measures after eye contact  | : If eye irritation persists: Get immediate medical advice/attention. Get medical advice/attention. Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists. 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    | : Do NOT induce vomiting. Obtain emergency medical attention. Call a POISON CENTER/doctor if you feel unwell. Rinse mouth. Call a poison center or a doctor if you feel unwell.                                                                                                                                                                                                                                                                                                                                                                                   |

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

|                                     |                                                                                            |
|-------------------------------------|--------------------------------------------------------------------------------------------|
| Symptoms/effects Symptoms/effects   | : Not expected to present a significant hazard under anticipated conditions of normal use. |
| after inhalation Symptoms/effects   | : May cause an allergic skin reaction.                                                     |
| after skin contact Symptoms/effects | : Causes skin irritation. Irritation. May cause an allergic skin reaction.                 |
| after eye contact Symptoms/effects  | : Causes serious eye irritation. Eye irritation.                                           |
| after ingestion                     | : Swallowing a small quantity of this material will result in serious health hazard.       |

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

|                                   |                          |
|-----------------------------------|--------------------------|
| Other medical advice or treatment | : Treat symptomatically. |
|-----------------------------------|--------------------------|

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

|                                |                                                        |
|--------------------------------|--------------------------------------------------------|
| Suitable extinguishing media   | : Sand. Water spray. Dry powder. Foam. Carbon dioxide. |
| Unsuitable extinguishing media | : Do not use a heavy water stream.                     |

#### 5.2. Special hazards arising from the substance or mixture

No additional information available

#### 5.3. Special protective equipment and precautions for fire-fighters

|                                |                                                                                                                                                                                                                                        |
|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Firefighting instructions      | : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.                                                                  |
| Protection during firefighting | : Do not enter fire area without proper protective equipment, including respiratory protection. Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing. |
| EAC code                       | : •3Z - •3Z                                                                                                                                                                                                                            |

### 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. Evacuate unnecessary personnel. 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. Equip cleanup crew with proper protection. For further information refer to section 8: "Exposure controls/personal protection". |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

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Emergency procedures : Ventilate area.

### 6.2. Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

### 6.3. Methods and material for containment and cleaning up

For containment : Collect spillage.

Methods for cleaning up : Take up liquid spill into absorbent material. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

## SECTION 7: Handling and storage, including how the chemical may be safely used

### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin and eyes. Wear personal protective equipment. Avoid breathing dust/fume/gas/mist/vapours/spray.

Hygiene measures : Wash hands thoroughly after handling. Wash contaminated clothing before reuse. 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.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container closed when not in use. Store in a well-ventilated place. Keep cool.

Incompatible products : Strong bases. Strong acids.

Incompatible materials : Sources of ignition. Direct sunlight.

Storage temperature : 25°C

Storage area : Store in a well-ventilated place. Store away from heat.

Special rules on packaging : Store in a closed container.

Packaging materials : Do not store in corrodable metal.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### acetyl propionyl (600-14-6)

##### Germany - Occupational Exposure Limits (TRGS 900)

|                                                        |                         |
|--------------------------------------------------------|-------------------------|
| Occupational exposure limit value (mg/m <sup>3</sup> ) | 0.083 mg/m <sup>3</sup> |
|--------------------------------------------------------|-------------------------|

|                                         |          |
|-----------------------------------------|----------|
| Occupational exposure limit value (ppm) | 0.02 ppm |
|-----------------------------------------|----------|

|                   |                                   |
|-------------------|-----------------------------------|
| Chemical category | Skin notation, Skin sensitization |
|-------------------|-----------------------------------|

#### Phenylethyl alcohol (60-12-8)

##### China - Occupational Exposure Limits

|                                          |                        |
|------------------------------------------|------------------------|
| Catalogue of Occupational Hazard Factors | Category 3 - Chemicals |
|------------------------------------------|------------------------|

### Exposure limit values for the other components

No additional information available

### 8.2. Monitoring

No additional information available

### 8.3. Appropriate 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 : Wear protective gloves.

Eye protection : Chemical goggles or safety glasses. Safety glasses

Skin and body protection : Wear suitable protective clothing

Respiratory protection : Wear appropriate mask

Personal protective equipment symbol(s)



Environmental exposure controls : Avoid release to the environment.

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### SECTION 9: Physical and chemical properties

|                                                 |                                    |
|-------------------------------------------------|------------------------------------|
| Physical state                                  | : Liquid                           |
| Appearance                                      | : No data available                |
| Colour                                          | : light yellow, amber              |
| Odour                                           | : characteristic                   |
| Odour threshold                                 | : No data available                |
| pH                                              | : No data available                |
| Evaporation rate                                | : No data available                |
| Relative evaporation rate (butylacetate=1)      | : No data available                |
| Melting point / Freezing point                  | : Melting point : Not applicable   |
| Boiling point                                   | : No data available                |
| Flash point                                     | : 93.33 °C (closed cup) ASTM D7094 |
| Auto-ignition temperature                       | : No data available                |
| Flammability (solid, gas)                       | : Non flammable.                   |
| Vapour pressure                                 | : No data available                |
| Relative density                                | : No data available                |
| Density                                         | : Relative density : 1.11          |
| 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                |
| Explosive limits                                | : No data 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                 | : Not established.                                                                   |
| Possibility of hazardous reactions | : Not established.                                                                   |
| Conditions to avoid                | : Direct sunlight. Extremely high or low temperatures.                               |
| Incompatible materials             | : Strong acids. Strong bases.                                                        |
| Hazardous decomposition products   | : fume. Carbon monoxide. Carbon dioxide.                                             |

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

|                             |                                        |
|-----------------------------|----------------------------------------|
| Acute toxicity (oral)       | : Harmful if swallowed.                |
| Acute toxicity (dermal)     | : May be harmful in contact with skin. |
| Acute toxicity (inhalation) | : Not classified                       |

|                 |                           |
|-----------------|---------------------------|
| ATE NZ (oral)   | 601.227 mg/kg bodyweight  |
| ATE NZ (Dermal) | 3217.401 mg/kg bodyweight |

|                                    |                       |
|------------------------------------|-----------------------|
| <b>acetyl propionyl (600-14-6)</b> |                       |
| LD50 oral rat                      | 3 g/kg                |
| LD50 oral                          | 3000 mg/kg bodyweight |
| LD50 dermal                        | 2500 mg/kg bodyweight |

|                                          |              |
|------------------------------------------|--------------|
| <b>Amyl cinnamic aldehyde (122-40-7)</b> |              |
| LD50 oral rat                            | 3730 mg/kg   |
| LD50 dermal rabbit                       | > 2000 mg/kg |

|                                   |                                  |
|-----------------------------------|----------------------------------|
| <b>Anisic aldehyde (123-11-5)</b> |                                  |
| LD50 oral rat                     | > 2000 mg/kg                     |
| LD50 oral                         | 3210 mg/kg bodyweight            |
| LD50 dermal rabbit                | > 5000 mg/kg                     |
| LC50 inhalation rat (mg/l)        | > 0.32 mg/l (Exposure time: 7 h) |

|                                          |              |
|------------------------------------------|--------------|
| <b>Benzene carboxaldehyde (100-52-7)</b> |              |
| LD50 oral rat                            | 1292 mg/kg   |
| LD50 dermal rabbit                       | > 1250 mg/kg |

|                                   |           |
|-----------------------------------|-----------|
| <b>Benzyl benzoate (120-51-4)</b> |           |
| LD50 oral rat                     | 500 mg/kg |

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|                                           |                       |
|-------------------------------------------|-----------------------|
| <b>Benzyl benzoate (120-51-4)</b>         |                       |
| LD50 oral                                 | 1500 mg/kg bodyweight |
| LD50 dermal rabbit                        | 4000 mg/kg            |
| LD50 dermal                               | 4000 mg/kg bodyweight |
| <b>Cinnamalva (1885-38-7)</b>             |                       |
| LD50 oral                                 | 100 mg/kg bodyweight  |
| LD50 dermal                               | 1100 mg/kg bodyweight |
| LC50 inhalation rat (Dust/Mist - mg/l/4h) | 1.5 mg/l/4h           |
| <b>Cinnamic aldehyde (104-55-2)</b>       |                       |
| LD50 oral rat                             | 2220 mg/kg            |
| LD50 oral                                 | 2500 mg/kg bodyweight |
| LD50 dermal rabbit                        | 1260 mg/kg            |
| LD50 dermal                               | 1100 mg/kg bodyweight |
| <b>Cinnamyl acetate (103-54-8)</b>        |                       |
| LD50 oral rat                             | 3300 mg/kg            |
| LD50 oral                                 | 3330 mg/kg bodyweight |
| <b>Coumarin crystals (91-64-5)</b>        |                       |
| LD50 oral rat                             | > 5000 mg/kg          |
| LD50 oral                                 | 500 mg/kg bodyweight  |
| LD50 dermal rat                           | > 2000 mg/kg          |
| <b>Cyclotene crystals (80-71-7)</b>       |                       |
| LD50 oral                                 | 1067 mg/kg bodyweight |
| <b>Ethyl vanillin crystals (121-32-4)</b> |                       |
| LD50 oral rat                             | 1590 mg/kg            |
| LD50 oral                                 | 3000 mg/kg bodyweight |
| <b>Eugenol (97-53-0)</b>                  |                       |
| LD50 oral rat                             | 1930 mg/kg            |
| LD50 oral                                 | 2500 mg/kg bodyweight |
| <b>Heliotropine crystals (120-57-0)</b>   |                       |
| LD50 oral rat                             | 2700 mg/kg            |
| <b>Methyl cinnamate (103-26-4)</b>        |                       |
| LD50 oral rat                             | 2610 mg/kg            |
| LD50 oral                                 | 2610 mg/kg bodyweight |
| <b>Phenylethyl alcohol (60-12-8)</b>      |                       |
| LD50 oral rat                             | 1609 mg/kg            |
| LD50 oral                                 | 1610 mg/kg bodyweight |
| LD50 dermal rabbit                        | 2535 mg/kg            |
| LD50 dermal                               | 2500 mg/kg bodyweight |
| LC50 inhalation rat (mg/l)                | > 4.63 mg/l/4h        |
| <b>Terpineol (8000-41-7)</b>              |                       |
| LD50 oral rat                             | 2900 mg/kg            |
| LD50 oral                                 | 4300 mg/kg bodyweight |
| LD50 dermal rabbit                        | > 3000 mg/kg          |
| <b>Vanillin (121-33-5)</b>                |                       |
| LD50 dermal rabbit                        | > 5010 mg/kg          |
| <b>Vetol plus crystals (4940-11-8)</b>    |                       |
| LD50 oral rat                             | 1150 mg/kg            |
| LD50 oral                                 | 1200 mg/kg bodyweight |

|                                   |                                        |
|-----------------------------------|----------------------------------------|
| Skin corrosion/irritation         | : Causes skin irritation.              |
| Serious eye damage/irritation     | : Causes serious eye irritation.       |
| Respiratory or skin sensitisation | : 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                       |

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|-----------------------------------------------------|-------------------------------------------------------------------------------------------|
| Viscosity, kinematic                                |                                                                                           |
| Potential adverse human health effects and symptoms | : Harmful if swallowed. Based on available data, the classification criteria are not met. |

### SECTION 12: Ecological information

#### 12.1. Toxicity

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

| acetyl propionyl (600-14-6)                     |                                                                                      |
|-------------------------------------------------|--------------------------------------------------------------------------------------|
| LD50 oral rat                                   | 3 g/kg                                                                               |
| Amyl cinnamic aldehyde (122-40-7)               |                                                                                      |
| LD50 dermal rabbit                              | > 2000 mg/kg                                                                         |
| LD50 oral rat                                   | 3730 mg/kg                                                                           |
| Anisic aldehyde (123-11-5)                      |                                                                                      |
| LD50 dermal rabbit                              | > 5000 mg/kg                                                                         |
| LD50 oral rat                                   | > 2000 mg/kg                                                                         |
| Benzene carboxaldehyde (100-52-7)               |                                                                                      |
| LC50 fish 1                                     | 10.6 – 11.8 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [flow-through]) |
| LC50 fish 2                                     | 12.69 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])             |
| BCF fish 1                                      | (no significant bioaccumulation)                                                     |
| Partition coefficient n-octanol/water (Log Pow) | 1.48 (at 20 °C)                                                                      |
| LD50 dermal rabbit                              | > 1250 mg/kg                                                                         |
| LD50 oral rat                                   | 1292 mg/kg                                                                           |
| Benzyl benzoate (120-51-4)                      |                                                                                      |
| LC50 fish 1                                     | 2.32 mg/l (Exposure time: 96 h - Species: Danio rerio [semi-static])                 |
| NOEC (chronic)                                  | 0.168 mg/l                                                                           |
| Partition coefficient n-octanol/water (Log Pow) | 4                                                                                    |
| LD50 dermal rabbit                              | 4000 mg/kg                                                                           |
| LD50 oral rat                                   | 500 mg/kg                                                                            |
| 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                                                                           |
| Cinnamyl acetate (103-54-8)                     |                                                                                      |
| LD50 oral rat                                   | 3300 mg/kg                                                                           |
| Coumarin crystals (91-64-5)                     |                                                                                      |
|                                                 | > 2000 mg/kg                                                                         |
| LD50 oral rat                                   | > 5000 mg/kg                                                                         |
| Ethyl vanillin crystals (121-32-4)              |                                                                                      |
| LC50 fish 1                                     | 81.4 – 94.3 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through]) |
| LD50 oral rat                                   | 1590 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                                                                           |
| Heliotropine crystals (120-57-0)                |                                                                                      |
| LC50 fish 1                                     | 2.5 mg/l (Exposure time: 96 h - Species: Cyprinus carpio [static])                   |
| LD50 oral rat                                   | 2700 mg/kg                                                                           |
| Methyl cinnamate (103-26-4)                     |                                                                                      |
| LC50 fish 1                                     | 2.76 mg/l (Exposure time: 96 h - Species: Danio rerio [static])                      |
| LD50 oral rat                                   | 2610 mg/kg                                                                           |

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|                                                 |                                                            |
|-------------------------------------------------|------------------------------------------------------------|
| <b>Phenylethyl alcohol (60-12-8)</b>            |                                                            |
| EC50 Daphnia 1                                  | 287.17 mg/l (Exposure time: 48 h - Species: Daphnia magna) |
| EC50 72h algae (1)                              | 490 mg/l (Species: Desmodesmus subspicatus)                |
| Partition coefficient n-octanol/water (Log Pow) | 1.38 (at 25 °C)                                            |
| LD50 dermal rabbit                              | 2535 mg/kg                                                 |
| LD50 oral rat                                   | 1609 mg/kg                                                 |

|                              |              |
|------------------------------|--------------|
| <b>Terpineol (8000-41-7)</b> |              |
| LD50 dermal rabbit           | > 3000 mg/kg |
| LD50 oral rat                | 2900 mg/kg   |

|                                                 |                                                                                    |
|-------------------------------------------------|------------------------------------------------------------------------------------|
| <b>Vanillin (121-33-5)</b>                      |                                                                                    |
| LC50 fish 1                                     | 53 – 61.3 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through]) |
| LC50 fish 2                                     | 88 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])              |
| NOEC (acute)                                    | 10000 mg/kg (Exposure time: 42 Days - Species: Eisenia foetida [soil dry weight])  |
| Partition coefficient n-octanol/water (Log Pow) | 1.23 (at 22 °C)                                                                    |
| LD50 dermal rabbit                              | > 5010 mg/kg                                                                       |

|                                        |                                                                |
|----------------------------------------|----------------------------------------------------------------|
| <b>Vetol plus crystals (4940-11-8)</b> |                                                                |
| LC50 fish 1                            | > 85 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss) |
| LD50 oral rat                          | 1150 mg/kg                                                     |

### 12.2. Persistence and degradability

|                               |                                                                          |
|-------------------------------|--------------------------------------------------------------------------|
| <b>Ginger Cookie #24263F</b>  |                                                                          |
| Persistence and degradability | May cause long-term adverse effects in the environment. Not established. |

|                                   |                                                         |
|-----------------------------------|---------------------------------------------------------|
| <b>Benzyl benzoate (120-51-4)</b> |                                                         |
| Persistence and degradability     | May cause long-term adverse effects in the environment. |

|                                    |                  |
|------------------------------------|------------------|
| <b>Methyl cinnamate (103-26-4)</b> |                  |
| Persistence and degradability      | Not established. |

### 12.3. Bioaccumulative potential

|                              |                  |
|------------------------------|------------------|
| <b>Ginger Cookie #24263F</b> |                  |
| Bioaccumulative potential    | Not established. |

|                                                 |                                   |
|-------------------------------------------------|-----------------------------------|
| <b>Benzene carboxaldehyde (100-52-7)</b>        |                                   |
| BCF fish 1                                      | See section 12.1 on ecotoxicology |
| Partition coefficient n-octanol/water (Log Pow) | See section 12.1 on ecotoxicology |

|                                                 |                                   |
|-------------------------------------------------|-----------------------------------|
| <b>Benzyl benzoate (120-51-4)</b>               |                                   |
| Partition coefficient n-octanol/water (Log Pow) | See section 12.1 on ecotoxicology |
| Bioaccumulative potential                       | Not established.                  |

|                                                 |                                   |
|-------------------------------------------------|-----------------------------------|
| <b>Cinnamic aldehyde (104-55-2)</b>             |                                   |
| Partition coefficient n-octanol/water (Log Pow) | See section 12.1 on ecotoxicology |

|                                    |                  |
|------------------------------------|------------------|
| <b>Methyl cinnamate (103-26-4)</b> |                  |
| Bioaccumulative potential          | Not established. |

|                                                 |                                   |
|-------------------------------------------------|-----------------------------------|
| <b>Phenylethyl alcohol (60-12-8)</b>            |                                   |
| Partition coefficient n-octanol/water (Log Pow) | See section 12.1 on ecotoxicology |

|                                                 |                                   |
|-------------------------------------------------|-----------------------------------|
| <b>Vanillin (121-33-5)</b>                      |                                   |
| Partition coefficient n-octanol/water (Log Pow) | See section 12.1 on ecotoxicology |

### 12.4. Mobility in soil

|                              |                                     |
|------------------------------|-------------------------------------|
| <b>Ginger Cookie #24263F</b> |                                     |
| Mobility in soil             | No additional information available |

|                                                 |                                   |
|-------------------------------------------------|-----------------------------------|
| <b>Benzene carboxaldehyde (100-52-7)</b>        |                                   |
| Partition coefficient n-octanol/water (Log Pow) | See section 12.1 on ecotoxicology |

|                                                 |                                   |
|-------------------------------------------------|-----------------------------------|
| <b>Benzyl benzoate (120-51-4)</b>               |                                   |
| Partition coefficient n-octanol/water (Log Pow) | See section 12.1 on ecotoxicology |

|                                                 |                                   |
|-------------------------------------------------|-----------------------------------|
| <b>Cinnamic aldehyde (104-55-2)</b>             |                                   |
| Partition coefficient n-octanol/water (Log Pow) | See section 12.1 on ecotoxicology |

|                                                 |                                   |
|-------------------------------------------------|-----------------------------------|
| <b>Phenylethyl alcohol (60-12-8)</b>            |                                   |
| Partition coefficient n-octanol/water (Log Pow) | See section 12.1 on ecotoxicology |

|                                                 |                                   |
|-------------------------------------------------|-----------------------------------|
| <b>Vanillin (121-33-5)</b>                      |                                   |
| Partition coefficient n-octanol/water (Log Pow) | See section 12.1 on ecotoxicology |

### 12.5. Other adverse effects

|       |                  |
|-------|------------------|
| Ozone | : Not classified |
|-------|------------------|

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Other adverse effects : No additional information available

### SECTION 13: Disposal considerations

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.  
Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container in accordance with local/national laws and regulations.  
Ecology - waste materials : Avoid release to the environment.

### SECTION 14: Transport information

#### 14.1. UN number

UN-No.(UN RTDG) : Not applicable  
UN-No. (IMDG) : 3082  
UN-No. (IATA) : 3082

#### 14.2. Proper Shipping Name

Proper Shipping Name (UN RTDG) : Not applicable  
Proper Shipping Name (IMDG) : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Benzyl Benzoate)  
Proper Shipping Name (IATA) : Environmentally hazardous substance, liquid, n.o.s. (Benzyl Benzoate)

#### 14.3. Transport hazard class(es)

##### UN RTDG

Transport hazard class(es) (UN RTDG) : Not applicable  
:



##### IMDG

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



##### IATA

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



#### 14.4. Packing group

Packing group (UN RTDG) : Not applicable  
Packing group (IMDG) : III  
Packing group (IATA) : III

#### 14.5. Environmental hazards

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

#### 14.6. Special precautions for user

##### UN RTDG

No data available

##### IMDG

Special provisions (IMDG) : 274, 335, 969  
Limited quantities (IMDG) : 5 L  
Excepted quantities (IMDG) : E1

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|                                   |                                                                     |
|-----------------------------------|---------------------------------------------------------------------|
| Packing instructions (IMDG)       | : P001, LP01                                                        |
| Special packing provisions (IMDG) | : PP1                                                               |
| IBC packing instructions (IMDG)   | : IBC03                                                             |
| Tank instructions (IMDG)          | : T4                                                                |
| Tank special provisions (IMDG)    | : TP2, 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                                                                 |

### IATA

|                                              |                   |
|----------------------------------------------|-------------------|
| 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 provisions (IATA)                    | : A97, A158, A197 |
| ERG code (IATA)                              | : 9L              |

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

Not applicable

### 14.8. Hazchem or Emergency Action Code

EAC code : •3Z.

## SECTION 15: Regulatory information

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

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

HSNO Approval Number : HSR002578

#### acetyl propionyl (600-14-6)

##### Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR006759

#### Anisic aldehyde (123-11-5)

##### Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR003496

#### Benzene carboxaldehyde (100-52-7)

##### Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR001395

#### Benzyl benzoate (120-51-4)

##### Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR003504

#### Cinnamic aldehyde (104-55-2)

##### Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR002786

#### Coumarin crystals (91-64-5)

##### Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR003237

#### Ethyl vanillin crystals (121-32-4)

##### Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR004802

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### Eugenol (97-53-0)

#### Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR003486

### Phenylethyl alcohol (60-12-8)

#### Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR003487

### Terpineol (8000-41-7)

#### Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR003269

### Vanillin (121-33-5)

#### Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR003498

### 15.2. Chemical safety assessment

No additional information available

## SECTION 16: Other information

Issue date : 3/11/2020

Other information : None.

Full text of H-statements:

|                                                |                                                                         |
|------------------------------------------------|-------------------------------------------------------------------------|
| 3.1B: Flam. Liq. 2                             | 3.1B: Flammable liquids, Category 2                                     |
| 3.1D: Flam. Liq. 4                             | 3.1D: Flammable liquids, Category 4                                     |
| 6.1C: Acute Tox. 3 (Dermal)                    | 6.1C: Acute toxicity (dermal), Category 3                               |
| 6.1C: Acute Tox. 3 (Oral)                      | 6.1C: Acute toxicity (oral), Category 3                                 |
| 6.1D: Acute Tox. 4 (Dermal)                    | 6.1D: Acute toxicity (dermal), Category 4                               |
| 6.1D: Acute Tox. 4 (Inhalation:gas)            | 6.1D: Acute toxicity (inhalation:gas) Category 4                        |
| 6.1D: Acute Tox. 4 (Oral)                      | 6.1D: Acute toxicity (oral), Category 4                                 |
| 6.1E: Acute Tox. 5 (Dermal)                    | 6.1E: Acute toxicity (dermal), Category 5                               |
| 6.1E: Acute Tox. 5 (Oral)                      | 6.1E: Acute toxicity (oral), Category 5                                 |
| 6.3A: Skin Irrit. 2                            | 6.3A: Skin corrosion/irritation, Category 2                             |
| 6.4A: Eye Irrit. 2                             | 6.4A: Serious eye damage/eye irritation, Category 2                     |
| 6.5B: Skin Sens. 1                             | 6.5B: Skin sensitisation, Category 1                                    |
| 6.9B: STOT RE 2                                | 6.9B: Specific target organ toxicity — Repeated exposure, Category 2    |
| 8.3A: Eye Dam. 1                               | 8.3A: Serious eye damage/eye irritation, Category 1                     |
| 9.1B: Aquatic Chronic 2                        | 9.1B: Hazardous to the aquatic environment — Chronic Hazard, Category 2 |
| 9.1C: Aquatic Chronic 3                        | 9.1C: Hazardous to the aquatic environment — Chronic Hazard, Category 3 |
| 9.1D: Aquatic Acute 2                          | 9.1D: Hazardous to the aquatic environment — Acute Hazard, Category 2   |
| 9.1D: Aquatic Acute 3                          | 9.1D: Hazardous to the aquatic environment — Acute Hazard, Category 3   |
| 9.3B: Ecotoxicity to terrestrial vertebrates B | 9.3B: Ecotoxicity to terrestrial vertebrates B                          |
| 9.3C: Ecotoxicity to terrestrial vertebrates C | 9.3C: Ecotoxicity to terrestrial vertebrates C                          |
| Acute Tox. Not classified (Dermal)             | Acute toxicity (dermal) Not classified                                  |
| Aquatic Acute Not classified                   | Hazardous to the aquatic environment - Acute Hazard Not classified      |

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|                           |                                                                    |
|---------------------------|--------------------------------------------------------------------|
| Flam. Liq. Not classified | Flammable liquids Not classified                                   |
| H225                      | Highly flammable liquid and vapour.                                |
| H227                      | Combustible liquid                                                 |
| H301                      | Toxic if swallowed.                                                |
| H302                      | Harmful if swallowed.                                              |
| H303                      | May be harmful if swallowed                                        |
| H311                      | Toxic in contact with skin.                                        |
| H312                      | Harmful in contact with skin.                                      |
| 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.                                     |
| H332                      | Harmful if inhaled.                                                |
| H373                      | May cause damage to organs through prolonged or repeated exposure. |
| H401                      | Toxic to aquatic life                                              |
| H402                      | Harmful to aquatic life                                            |
| H411                      | Toxic to aquatic life with long lasting effects.                   |
| H412                      | Harmful to aquatic life with long lasting effects.                 |
| H432                      | Toxic to terrestrial vertebrates                                   |
| H433                      | Harmful to terrestrial vertebrates                                 |

### CANDLE CREATIONS SDS NEW ZEALAND

*The data contained in this Safety Data Sheet is accurate to the best knowledge of Candle Creations, applies to the product as supplied by Candle Creations and does not relate to use in combination with any other material or in any process. Data and information are furnished without warranty expressed or implied, nor does Candle Creations assume responsibility for use or reliance upon this data.*

*This SDS is current to the date listed above. However, the GHS classifications may change due to hazard communication updates by the overseeing governing body. For the most current SDS information please contact [info@candlecreations.co.nz](mailto:info@candlecreations.co.nz)*

