

## SAFETY DATA SHEET

In accordance with UN GHS latest edition

### Product: Cinnamon Bun Fragrance Oil

#### SECTION 1. Identification of the substance or mixture and of the supplier

|                    |                                                            |
|--------------------|------------------------------------------------------------|
| Product identifier | Cinnamon Bun Fragrance Oil                                 |
| Other identifier   | F30055                                                     |
| Product use        | Fragrances                                                 |
| Supplier           | Botanic Planet Canada Inc.                                 |
| Address            | 2 Bram Court, Unit #3-4, Brampton, Ontario L6W 3R6, Canada |
| Phone              | 905-455-4444                                               |
| E-mail             | info@botanicplanet.ca                                      |

#### SECTION 2. Hazards identification

**Classification:** Acute Toxicity - Oral Category 5; Acute Toxicity - Dermal Category 5; Skin Corrosion / Irritation Category 2; Eye Damage / Irritation Category 2; Sensitization - Skin Category 1; Hazardous to the Aquatic Environment - Acute Hazard Category 1; Hazardous to the Aquatic Environment - Long-term Hazard Category 2.

**Signal word:** Warning

**Hazard statements:** H303 May be harmful if swallowed. H313 May be harmful in contact with skin. H315 Causes skin irritation. H319 Causes serious eye irritation. H317 May cause an allergic skin reaction. H400 Very toxic to aquatic life. H411 Toxic to aquatic life with long lasting effects.

**Other hazards:** Hydrocarbon concentration: 0.0000%. Substance does not meet the source SDS criteria for PBT or vPvB.

**Precautionary statements:** P264 Wash hands and other contacted skin thoroughly after handling. P273 Avoid release to the environment. P280 Wear protective gloves/eye protection/face protection. P261 Avoid breathing vapour or dust. P272 Contaminated work clothing should not be allowed out of the workplace. P305/351/338 IF IN EYES: Rinse cautiously with water for several minutes; remove contact lenses if present and easy to do; continue rinsing. P302/352 IF ON SKIN: Wash with plenty of soap and water. P312 Call a POISON CENTRE or doctor/physician if you feel unwell. P337/313 If eye irritation persists: Get medical advice/attention. P333/313 If skin irritation or rash occurs: Get medical advice/attention. P362 Take off contaminated clothing and wash before reuse. P391 Collect spillage. P501 Dispose of contents/container to approved disposal site in accordance with local regulations.

### SECTION 3. Composition / information on ingredients

| Name                           | CAS       | Concentration | GHS Classification                                                                                                                            |
|--------------------------------|-----------|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Cinnamaldehyde                 | 104-55-2  | 50-100%       | Acute Tox. 5 / Acute Tox. 4 / Skin Irrit. 2 / Eye Irrit. 2A / Skin Sens. 1A / Aquatic Acute 1 / Chronic 2; H303 H312 H315 H319 H317 H400 H411 |
| Benzyl benzoate                | 120-51-4  | 10-<20%       | Acute Tox. 4 / Aquatic Acute 1 / Chronic 2; H302 H400 H411                                                                                    |
| Cinnamyl acetate               | 103-54-8  | 1-<5%         | Acute Tox. 5 / Aquatic Acute 2; H303 H401                                                                                                     |
| Cinnamyl alcohol               | 104-54-1  | 1-<5%         | Acute Tox. 4 / Skin Irrit. 3 / Skin Sens. 1B / Aquatic Acute 2; H302 H316 H317 H401                                                           |
| Ethyl vanillin                 | 121-32-4  | 1-<5%         | Eye Irrit. 2B / Aquatic Acute 3; H320 H402                                                                                                    |
| Piperonal                      | 120-57-0  | 1-<5%         | Acute Tox. 5 / Skin Sens. 1B / Repr. 2 / Aquatic Acute 2; H303 H317 H361 H401                                                                 |
| Coumarin                       | 91-64-5   | 0.1-<1%       | Acute Tox. 4 / Skin Sens. 1B / Aquatic Acute 3; H302 H317 H402                                                                                |
| 3-Methylcyclopentane-1,2-dione | 765-70-8  | 0.1-<1%       | Acute Tox. 4 / Skin Sens. 1 / Aquatic Acute 3; H302 H317 H402                                                                                 |
| Dibenzyl ether                 | 103-50-4  | 0.1-<1%       | Acute Tox. 5 / Skin Sens. 1B / Aquatic Acute 1 / Chronic 2; H303 H317 H400 H411                                                               |
| Eugenol                        | 97-53-0   | 0.1-<1%       | Acute Tox. 5 / Skin Irrit. 3 / Eye Irrit. 2A / Skin Sens. 1B / Aquatic Acute 2; H303 H316 H319 H317 H401                                      |
| alpha-Terpineol                | 98-55-5   | 0.1-<1%       | Flam. Liq. 4 / Acute Tox. 5 / Skin Irrit. 2 / Eye Irrit. 2A / Aquatic Acute 2; H227 H303 H315 H319 H401                                       |
| d-Limonene                     | 5989-27-5 | 0.1-<1%       | Flam. Liq. 3 / Skin Irrit. 2 / Skin Sens. 1B / Asp. Tox. 1 / Aquatic Acute 1 / Chronic 3; H226 H304 H315 H317 H400 H412                       |
| Benzyl cinnamate               | 103-41-3  | 0.1-<1%       | Acute Tox. 5 / Skin Sens. 1B / Aquatic Acute 1 / Chronic 2; H303 H317 H400 H411                                                               |

## SECTION 4. First-aid measures

|                               |                                                                                                                                              |
|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Inhalation</b>             | Remove from exposure site to fresh air, keep at rest, and obtain medical attention.                                                          |
| <b>Eye exposure</b>           | Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.                         |
| <b>Skin exposure</b>          | Wash with plenty of soap and water.                                                                                                          |
| <b>Ingestion</b>              | Rinse mouth with water and obtain medical attention.                                                                                         |
| <b>Most important effects</b> | May be harmful if swallowed or in contact with skin. Causes skin irritation and serious eye irritation. May cause an allergic skin reaction. |
| <b>Immediate treatment</b>    | None expected; see first-aid measures above.                                                                                                 |

## SECTION 5. Firefighting measures

|                                     |                                                                                       |
|-------------------------------------|---------------------------------------------------------------------------------------|
| <b>Suitable extinguishing media</b> | Carbon dioxide, dry chemical, foam.                                                   |
| <b>Special hazards</b>              | In case of fire, carbon monoxide and unidentified organic compounds may be liberated. |
| <b>Advice for firefighters</b>      | In case of insufficient ventilation, wear suitable respiratory equipment.             |

## SECTION 6. Accidental release measures

|                                  |                                                                                                                                                                                                  |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Personal precautions</b>      | Avoid inhalation. Avoid contact with skin and eyes. See protective measures under Sections 7 and 8.                                                                                              |
| <b>Environmental precautions</b> | Keep away from drains, surface and ground water, and soil.                                                                                                                                       |
| <b>Containment / cleanup</b>     | Remove ignition sources. Provide adequate ventilation. Avoid excessive inhalation of vapours. Contain spillage immediately with sand or inert powder. Dispose of according to local regulations. |

## SECTION 7. Handling and storage

|                         |                                                                                                                                                                                                                                                            |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Safe handling</b>    | Keep away from heat, sparks, open flames and hot surfaces. No smoking. Use personal protective equipment as required. Use with adequate ventilation. Do not eat, drink or smoke when using this product.                                                   |
| <b>Storage</b>          | Store in a well-ventilated place. Keep container tightly closed and cool. Ground/bond container and receiving equipment. Use explosion-proof electrical, ventilating and lighting equipment, non-sparking tools, and precautions against static discharge. |
| <b>Specific end use</b> | Fragrances: use in accordance with good manufacturing and industrial hygiene practices.                                                                                                                                                                    |

## SECTION 8. Exposure controls / personal protection

|                                  |                                                                                                                                                                                                                                                                                                                                                               |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Workplace exposure limits</b> | Not applicable in the source SDS.                                                                                                                                                                                                                                                                                                                             |
| <b>Eye / skin protection</b>     | Wear protective gloves/eye protection/face protection.                                                                                                                                                                                                                                                                                                        |
| <b>Respiratory protection</b>    | Under normal use with adequate ventilation, special engineering controls may not be required. For high/prolonged use, high temperature, or increased exposure, use local exhaust ventilation and, where appropriate, an approved fitted respirator with organic vapour cartridge/canisters and particulate filters; closed transfer systems may also be used. |

## SECTION 9. Physical and chemical properties

|                                   |                                      |
|-----------------------------------|--------------------------------------|
| <b>Appearance</b>                 | Free flowing liquid without sediment |
| <b>Odour</b>                      | Characteristic                       |
| <b>Odour threshold</b>            | Not determined                       |
| <b>Melting / freezing point</b>   | Not determined                       |
| <b>Boiling point / range</b>      | Not determined                       |
| <b>Flammability</b>               | Not determined                       |
| <b>Explosion limits</b>           | Not determined                       |
| <b>Flash point</b>                | > 93 C / > 200 F                     |
| <b>Auto-ignition temperature</b>  | Not determined                       |
| <b>Decomposition temperature</b>  | Not relevant                         |
| <b>pH</b>                         | Not determined                       |
| <b>Kinematic viscosity</b>        | Not determined                       |
| <b>Solubility</b>                 | Not determined                       |
| <b>Vapour pressure</b>            | Not determined                       |
| <b>Density / relative density</b> | 1.0210 - 1.0510                      |
| <b>Refractive Index @ 20 C</b>    | 1.5674 - 1.5774                      |
| <b>Color Range</b>                | 5 Pale Yellow - 3 Very Pale Yellow   |
| <b>Calculated VOC</b>             | 1.42                                 |

## SECTION 10. Stability and reactivity

|                                         |                                                                                |
|-----------------------------------------|--------------------------------------------------------------------------------|
| <b>Reactivity</b>                       | Presents no significant reactivity hazard, by itself or in contact with water. |
| <b>Chemical stability</b>               | Good stability under normal storage conditions.                                |
| <b>Hazardous reactions</b>              | Not expected under normal conditions of use.                                   |
| <b>Conditions to avoid</b>              | Avoid extreme heat.                                                            |
| <b>Incompatible materials</b>           | Avoid contact with strong acids, alkalis or oxidising agents.                  |
| <b>Hazardous decomposition products</b> | Not expected.                                                                  |

## SECTION 11. Toxicological information

This mixture has not been tested as a whole for health effects. The health effects in the source SDS were calculated using methods outlined in UN GHS.

| <b>Acute Toxicity - Oral</b>             | Category 5; ATE 2679 mg/kg                               |                            |                              |
|------------------------------------------|----------------------------------------------------------|----------------------------|------------------------------|
| <b>Acute Toxicity - Dermal</b>           | Category 5; ATE 2237 mg/kg                               |                            |                              |
| <b>Acute Toxicity - Inhalation</b>       | Not available                                            |                            |                              |
| <b>Skin corrosion/irritation</b>         | Category 2                                               |                            |                              |
| <b>Serious eye damage/irritation</b>     | Category 2                                               |                            |                              |
| <b>Respiratory or skin sensitisation</b> | Skin Sensitization Category 1                            |                            |                              |
| <b>Germ cell mutagenicity</b>            | Classification criteria not met based on available data. |                            |                              |
| <b>Carcinogenicity</b>                   | Classification criteria not met based on available data. |                            |                              |
| <b>Reproductive toxicity</b>             | Classification criteria not met based on available data. |                            |                              |
| <b>STOT - single/repeated exposure</b>   | Classification criteria not met based on available data. |                            |                              |
| <b>Aspiration hazard</b>                 | Classification criteria not met based on available data. |                            |                              |
| <b>Ingredient</b>                        | <b>CAS</b>                                               | <b>Oral LD50/ATE mg/kg</b> | <b>Dermal LD50/ATE mg/kg</b> |
| Benzyl benzoate                          | 120-51-4                                                 | 1160                       | -                            |
| Cinnamaldehyde                           | 104-55-2                                                 | 2220                       | 1260                         |
| Cinnamyl acetate                         | 103-54-8                                                 | 3330                       | -                            |
| Cinnamyl alcohol                         | 104-54-1                                                 | 2000                       | -                            |
| Piperonal                                | 120-57-0                                                 | 2700                       | -                            |

## SECTION 12. Ecological information

|                                      |                                                                              |
|--------------------------------------|------------------------------------------------------------------------------|
| <b>Toxicity</b>                      | Very toxic to aquatic life. Toxic to aquatic life with long lasting effects. |
| <b>Persistence and degradability</b> | Not available                                                                |
| <b>Bioaccumulative potential</b>     | Not available                                                                |
| <b>Mobility in soil</b>              | Not available                                                                |
| <b>Other adverse effects</b>         | Not available                                                                |

## SECTION 13. Disposal considerations

Dispose of in accordance with local regulations. Avoid disposing into drainage systems and into the environment. Empty containers should be taken to an approved waste handling site for recycling or disposal.

## SECTION 14. Transport information

| Mode                 | UN No. | Proper Shipping Name                                                                                     | Class | Packing Group |
|----------------------|--------|----------------------------------------------------------------------------------------------------------|-------|---------------|
| UN Model Regulations | UN3082 | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Cinnamaldehyde, Benzyl benzoate)                    | 9     | III           |
| IMDG                 | UN3082 | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Cinnamaldehyde, Benzyl benzoate) - MARINE POLLUTANT | 9     | III           |
| ADR/RID/ADN          | UN3082 | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Cinnamaldehyde, Benzyl benzoate)                    | 9     | III           |
| ICAO TI              | UN3082 | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Cinnamaldehyde, Benzyl benzoate)                    | 9     | III           |

**Environmental hazards:** Classified as an environmentally hazardous substance under the UN Model Regulations and as a Marine Pollutant under the IMDG Code. **Special precautions:** None additional. **Bulk transport under MARPOL/IBC:** Not applicable.

## SECTION 15. Regulatory information

Components listed on California SB312 in the source SDS:

| Name                      | CAS       | %       |
|---------------------------|-----------|---------|
| Cinnamaldehyde            | 104-55-2  | 50-100% |
| Di-(2-ethylhexyl) adipate | 103-23-1  | 10-<20% |
| Benzyl benzoate           | 120-51-4  | 10-<20% |
| Cinnamyl alcohol          | 104-54-1  | 1-<5%   |
| Coumarin                  | 91-64-5   | 0.1-<1% |
| Benzyl alcohol            | 100-51-6  | 0.1-<1% |
| Eugenol                   | 97-53-0   | 0.1-<1% |
| d-Limonene                | 5989-27-5 | 0.1-<1% |
| Benzyl cinnamate          | 103-41-3  | 0.1-<1% |

Additional formulation properties in the source SDS:

| Name           | CAS      | %       |
|----------------|----------|---------|
| Ethyl vanillin | 121-32-4 | 1-<5%   |
| Vanillin       | 121-33-5 | 0.1-<1% |

## SECTION 16. Other information

**Concentration % Limits:** SCI 2=17.75%; SCI 3=1.75%; EDI 2A=17.36%; SS 1=0.17752530%; EH A1=36.35%; EH A2=3.61%; EH A3=0.36059010%; EH C2=36.84%; EH C3=3.68%; EH C4=36.84%.

**Total Fractional Values:** SCI 2=5.63; SCI 3=57.18; EDI 2A=5.76; SS 1=563.30; EH A1=2.75; EH A2=27.73; EH A3=277.32; EH C2=2.71; EH C3=27.15; EH C4=2.71.

## KEY TO ABBREVIATIONS AND HAZARD / PRECAUTIONARY STATEMENTS

| Code                | Meaning                                                                |
|---------------------|------------------------------------------------------------------------|
| Acute Tox. 4        | Acute Toxicity - Oral or Dermal Category 4                             |
| Acute Tox. 5        | Acute Toxicity - Oral Category 5                                       |
| Aquatic Acute 1/2/3 | Hazardous to the Aquatic Environment - Acute Hazard Categories 1/2/3   |
| Aquatic Chronic 2/3 | Hazardous to the Aquatic Environment - Long-term Hazard Categories 2/3 |
| Asp. Tox. 1         | Aspiration Hazard Category 1                                           |
| Eye Irrit. 2A/2B    | Eye Damage / Irritation Category 2A/2B                                 |
| Flam. Liq. 3/4      | Flammable Liquid Hazard Category 3/4                                   |
| Repr. 2             | Toxic to Reproduction Category 2                                       |
| Skin Irrit. 2/3     | Skin Corrosion / Irritation Category 2/3                               |
| Skin Sens. 1/1A/1B  | Sensitization - Skin Categories 1/1A/1B                                |
| 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.                          |
| H312                | Harmful in contact with skin.                                          |
| H315                | Causes skin irritation.                                                |
| H316                | Causes mild skin irritation.                                           |
| H317                | May cause an allergic skin reaction.                                   |
| H319                | Causes serious eye irritation.                                         |
| H320                | Causes eye irritation.                                                 |
| H361                | Suspected of damaging fertility or the unborn child (exposure route).  |
| H400                | Very toxic to aquatic life.                                            |
| 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.                     |

Additional precautionary statements from the source SDS include: P202, P210, P233, P240, P241, P242, P243, P261, P264, P270, P272, P273, P280, P301/310, P301/312, P302/352, P303/361/353, P305/351/338, P308/313, P312, P330, P331, P332/313, P333/313, P337/313, P362, P363, P370/378, P391, P403/235, P405 and P501.

**Disclaimer:** The technical, hazard, composition, transport and regulatory information in this re-formatted SDS has been retained from the source SDS supplied for product F30055. Botanic Planet Canada Inc. has replaced the supplier identification and product display name as requested. The information is provided without guarantee and users are responsible for determining suitability and compliance for their specific use.

### END OF SAFETY DATA SHEET