





## SAFETY DATA SHEET

### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION & THE COMPANY UNDERTAKING

|                           |           |   |                                 |                  |           |
|---------------------------|-----------|---|---------------------------------|------------------|-----------|
| Product Name              |           | Ginger Organic Essential Oil  |                                 |                  |           |
| Biological Definition     |           | Zingiber Officinale Oil is the volatile oil obtained from the dried rhizomes of the Ginger, Zingiber officinale L., Zingiberaceae   |                                 |                  |           |
| Inci No                   |           | Zingiber officinalis  |                                 |                  |           |
| Synonyms & Trade names    |           | Ginger essential oil  |                                 |                  |           |
| Normal use                |           | Cosmetics, Flavour and Fragrance  |                                 |                  |           |
| Supplier                  |           | <b>BEHALE</b><br>6970 Business Park Blvd., Unit 9<br>Jacksonville, FL 32256<br><a href="http://www.behaleorganics.com">www.behaleorganics.com</a><br>T: (904) 619-1050<br>E: <a href="mailto:info@behaleorganics.com">info@behaleorganics.com</a> |                                 |                  |           |
| Reach Registration Number |           | N/A   |                                 |                  |           |
| Hs Tariff Code            |           | -   |                                 |                  |           |
| <b>FEMA No.</b>           | N/A       | <b>FDA No.</b>  | 19555298040                     | <b>Class No.</b> | 3         |
| <b>CAS-No.</b>            | 8007-08-7 | <b>UN No.</b><br><b>Shipping Name:</b>  | 2319<br>Terpene<br>Hydrocarbons | <b>EINEC No.</b> | 283-634-2 |

### 02. HAZARDS IDENTIFICATION

|   |   |
|---|---|
| Classification (1999/45)                    | Xi+F, R10-R36-S02-S16-S26   |
| Classification (EC 1272/2008)               | UN GHS: FL3, H303, H315, H317<br>EC CLP: FL3, H303, H315, H317  |
| Labels in accordance with (EC) No 1272/2008 |     <p style="text-align: center;">GHS07                  GHS08                  GHS09                  GH03</p> |
| Signal Word                                 | Terpene Hydrocarbon   |
| Contains                                    | Alpha pinene, 1.8 cineole and Geraniol  |
| Hazard Statements                           | H304 May be fatal if swallowed and enters<br>H226 Flammable liquid and vapour<br>H315 Causes skin irritation<br>H317 May cause an allergic skin reaction  |
| Precautionary Statements                    | P273 Avoid release to the environment.<br><br>P280 Wear protective gloves/protective clothing/eye protection/face protection.<br><br>P262 Do not get in eyes, on skin, or on clothing.<br><br>P301+310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.  |

|                                    |  |
|------------------------------------|--|
|                                    | <p>P331 Do NOT induce vomiting.</p> <p>P391 Collect spillage.</p> <p>P501 Dispose of contents/container to ...</p> |
| Adverse physio-chemical properties | Combustible but not self-ignite  |
| Adverse effects on human health    | Can cause skin and eye irritation  |

### **03. COMPOSITION/INFORMATION ON INGREDIENTS**

| NAME         | CAS      | EINECS    | %   |
|--------------|----------|-----------|-----|
| ALPHA PINENE | 80-56-8  | -         | ±4  |
| 1.8 CINEOLE  | 470-82-6 | -         | ±4  |
| GERANIOL     | 106-24-1 | 203.377-1 | ±1  |
| ZINGERBENENE | -        | -         | ±26 |

### **04. FIRST AID MEASURES**

|                     |  |
|---------------------|--|
| General Information | See categories below   |
| Inhaling            | Move into an open-air space  |
| Ingestion           | Wash Mouth with water and obtain medical advice immediately  |
| Skin Contact        | Remove contaminated clothing, Wash thoroughly with soap and water. Seek medical advice if irritation persists or there is any sign of tissue damage. |
| Eye contact         | Flush with plenty amount of water and seek medical advice if necessary.  |

### **05. FIRE FIGHTING MEASURES**

|                                  |  |
|----------------------------------|--|
| Extinguishing Media              | Use CO <sub>2</sub> Dry powder or foam type extinguishers. Do not use direct water jet on burning material |
| Special Fire Fighting Procedures | Wear protective clothing, avoid inhaling of vapours  |
| Specific Hazards                 | None   |
| Protective Measures in Fire      | Closed containers may build up pressure when exposed to heat and they should be cooled                     |

### **06. ACCIDENTAL RELEASE MEASURES**





|                           |  |
|---------------------------|--|
| Personal Precautions      | Maintain good occupational and personal hygiene. Avoid contact with skin   |
| Environmental Precautions | Do not discharge directly into drains or soil. Keep away from surface and ground water   |
| Spill Clean Up Methods    | Soak up spillage with sand or other inert material. Transfer soaked material to suitable waste container and dispose according to prevailing regulations |

### **07. HANDLING AND STORAGE**

|                   |   |
|-------------------|---|
| Usage Precautions | Apply good manufacturing practice & industrial hygiene practices, ensuring proper workplace ventilation. Observe good personal hygiene and do not eat, drink or smoke while handling. |
|-------------------|---|

|                     |  |
|---------------------|--|
| Storage Precautions | Store in tight closed original container, in cool, dry & ventilated area away from heat sources & protected from light. Keep air contact to minimum. |
|---------------------|--|

### **08. EXPOSURE CONTROLS/PERSONAL PROTECTION**

|                       |  |
|-----------------------|--|
| Protective Equipment  |     |
| Engineering Measures  | Ensure good ventilation of working area  |
| Respiratory Equipment | As required. Avoid breathing product vapour.   |
| Hand Protection       | Avoid all skin contact. Use chemically resistant gloves if required  |
| Eye Protection        | Use safety glasses   |
| Other Protection      | As required  |
| Hygiene Measures      | Wash hands with soap & water after handling  |

### **09. PHYSICAL AND CHEMICAL PROPERTIES**

|                                    |                    |
|------------------------------------|--------------------|
| Appearance                         | Liquid             |
| Colour                             | Clear Yellow oil   |
| Odour                              | Spicy Aroma        |
| Flash point                        | 47.5°C             |
| Boiling Point                      | 187°C              |
| Optical Rotation(20°C)             | -28° - -47°        |
| Solubility in water                | Not soluble        |
| Relative Density (20°C)            | 0.870 - 0.882@20°C |
| Refractive index                   | 1.488 - 1.494@20°C |
| Melting point, Ph, vapour pressure | Data not found     |

### **10. STABILITY AND REACTIVITY**

|                                  |   |
|----------------------------------|---|
| Stability                        | It presents no significant reactivity hazards, by it self or in contact with water<br>Avoid storage at high temperature |
| Condition to avoid               |   |
| Materials to avoid               | Avoid contact with strong acids, and oxidising agents   |
| Hazardous Decomposition products | Liable to cause smoke & acrid fumes combustion: carbon monoxide, carbon dioxide   |
| Stability                        | Stable  |

### **11. TOXOLOGICAL INFORMATION**

|                                     |   |
|-------------------------------------|---|
| Acute Toxicity                      | Acute oral toxicity<br>Acute dermal toxicity: slightly irritating undiluted |
| Skin irritation & Aspiration hazard | Category 2 under EC 1272/2008   |
| Serious eye damage/irritation       | Potential exists. Wear goggles.   |

|                                   |   |
|-----------------------------------|---|
| Respiratory or skin sensitisation | Skin sensitizer Category 1 under EC 1272/2006 |
| Photo-toxicity                    | Not photo toxic pp 705-706                    |

### **12. ECOLOGICAL INFORMATION**

|                               |  |
|-------------------------------|--|
| Ecotoxicity                   | Hazardous to the aquatic environment Chronic hazard category 2 according to EC 1272/2008 |
| Mobility                      | Not determined   |
| Persistence and degradability | Not determined   |
| Bioaccumulation potential     | Not determined   |
| PBT Assessment                | Not determined   |
| Precautions                   | Avoid discharge into the environment especially into land, waterways and sea             |

### **13. DISPOSAL CONSIDERATIONS**

|                  |  |
|------------------|--|
| Disposal Methods | Avoid discharge into the environment especially onto land, waterways and sea |
|------------------|--|

### **14. TRANSPORT INFORMATION**

|                      |                            |
|----------------------|----------------------------|
| Warning Icon         |                            |
| Proper Shipping Name | EXTRACTS, AROMATIC, LIQUID |
| UN No. Road          | UN 1169                    |
| ADR Class            | Class 3                    |
| Air class            | Class 3                    |
| Packaging group      | III                        |
| EMS                  | F-E, S-D                   |
| UN No AIR            | UN 1169                    |
| Hazchem code         | 3YE                        |

### **15. REGULATORY INFORMATION**

|                            |  |
|----------------------------|--|
| Statutory Instruments      | The chemicals (Hazard information and packaging for Supply Regulation 2009 (SI 2009 NO 716)  |
| Approved codes of practice | Classification and labelling of substances and preparations dangerous for supply. Safety data sheet for substance and preparations |

### **16. OTHER INFORMATION**

|               |                                      |
|---------------|--------------------------------------|
| Revision Date | 05/2018                              |
| Risk phrases  | Harmful to lungs<br>Skin sensitivity |
| Other         | Complies with REACH guidance for SDS |

DISCLAIMER: As the users' conditions of work are not known, the information contained in this Safety Data Sheet is accurate to the best of our knowledge and is based on the national community regulation the product must not be employed for uses other than those specified in item 1 with our having previously obtained written handling instructions. Users are responsible for taking all measures necessary to comply with the requirements of the law and local regulations. The information contained in this sheet should be regarded as the description of the safety requirements relating to our product and not as a guarantee of its properties.

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