### SECTION 1: Identification

#### 1.1. Identification
Name: GARLIC TOY FRAGRANCE

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against
Use of the substance/mixture: Industrial uses: Uses of substances as such or in preparations* at industrial sites

#### 1.3. Details of the supplier of the safety data sheet
Berje
700 Blair Road
Carteret, NJ 07008 - USA
T 973-748-8980 - F 973-680-9618
berje@berjeinc.com - www.berjeinc.com

#### 1.4. Emergency telephone number
Emergency number: 1-800-424-9300 24 Hours Emergency Chemtrec. ERR - CCN2624

### SECTION 2: Hazard(s) identification

#### 2.1. Classification of the substance or mixture
GHS-US classification
- Acute Tox. 4 (Oral) : H302 - Harmful if swallowed
- Aquatic Acute 2 : H401 - Toxic to aquatic life
- Aquatic Chronic 2 : H411 - Toxic to aquatic life with long lasting effects

Full text of H-statements: see section 16

#### 2.2. Label elements

- **GHS-US labelling**
  - Hazard pictograms (GHS-US):
    - GHS07
    - GHS09

- **Signal word (GHS-US)**: Warning
- **Hazard statements (GHS-US)**:
  - H302 - Harmful if swallowed
  - H401 - Toxic to aquatic life
  - H411 - Toxic to aquatic life with long lasting effects
- **Precautionary statements (GHS-US)**:
  - P264 - Wash hands thoroughly after handling
  - P270 - Do not eat, drink or smoke when using this product
  - P273 - Avoid release to the environment
  - P301+P312 - IF SWALLOWED: call a POISON CENTER or doctor/physician if you feel unwell
  - P330 - Rinse mouth
  - P391 - Collect spillage
  - P501 - Dispose in a safe manner in accordance with local/national regulations

#### 2.3. Other hazards
No additional information available

#### 2.4. Unknown acute toxicity (GHS US)
Not applicable

### SECTION 3: Composition/information on ingredients

#### 3.1. Substance
Not applicable

#### 3.2. Mixture
Not applicable
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).

First-aid measures after inhalation:
Allow breathing of fresh air. Allow the victim to rest.

First-aid measures after skin contact:
Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.

First-aid measures after eye contact:
Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.

First-aid measures after ingestion:
Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention. Call a POISON CENTER or doctor/physician if you feel unwell.

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

Symptoms/injuries 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

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

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. Advice for firefighters

Firefighting instructions:
Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.

Protection during firefighting:
Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures:
Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment:
Equip cleanup crew with proper protection.

Emergency procedures:
Ventilate area.

6.2. Environmental precautions

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

6.3. Methods and material for containment and cleaning up

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

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling:
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.

Hygiene measures:
Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.
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 direct sunlight.

Incompatible products: Strong bases. Strong acids.

Incompatible materials: Sources of ignition. Direct sunlight.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

Personal protective equipment: Avoid all unnecessary exposure.

Hand protection: Wear protective gloves/protective clothing/eye protection protective gloves.

Eye protection: Chemical goggles or safety glasses.

Respiratory protection: Wear appropriate mask.

Other information: Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Liquid</td>
</tr>
<tr>
<td>Colour</td>
<td>Colourless</td>
</tr>
<tr>
<td>Odour</td>
<td>Characteristic</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting point</td>
<td>No data available</td>
</tr>
<tr>
<td>Freezing point</td>
<td>No data available</td>
</tr>
<tr>
<td>Boiling point</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash point</td>
<td>&gt; 200 °F</td>
</tr>
<tr>
<td>Relative evaporation rate (butylacetate=1)</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive limits</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>No data available</td>
</tr>
<tr>
<td>Oxidising properties</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative density</td>
<td>1.118</td>
</tr>
<tr>
<td>Relative vapour density at 20 °C</td>
<td>No data available</td>
</tr>
<tr>
<td>Solubility</td>
<td>Water: Solubility in water of component(s) of the mixture:</td>
</tr>
<tr>
<td></td>
<td>• Benzyl benzoate: 153 mg/l (20 °C) • Allyl disulfide: 0.0071 g/100ml</td>
</tr>
<tr>
<td>Log Pow</td>
<td>No data available</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity, kinematic</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity, dynamic</td>
<td>No data available</td>
</tr>
</tbody>
</table>

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Not established.
10.3. Possibility of hazardous reactions
Not established.

10.4. Conditions to avoid
Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials
Strong acids. Strong bases.

10.6. Hazardous decomposition products

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity:
- Oral: Harmful if swallowed.

<table>
<thead>
<tr>
<th>GARLIC TOY FRAGRANCE</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>ATE US (oral)</td>
<td>1888.889 mg/kg bodyweight</td>
</tr>
<tr>
<td>Trade Secret (&quot;Chemical name, CAS number and/or exact concentration have been withheld as a trade secret&quot;)</td>
<td></td>
</tr>
<tr>
<td>LD50 oral rat</td>
<td>1870 mg/kg (Rat; OECD 401: Acute Oral Toxicity; Experimental value; &gt;2000 mg/kg bodyweight; Rat)</td>
</tr>
<tr>
<td>LD50 dermal rat</td>
<td>4400 mg/kg (Rat)</td>
</tr>
<tr>
<td>LD50 dermal rabbit</td>
<td>4000 mg/kg (Rabbit; Experimental value; Modification of Draize 1959 method; &gt;2; Rabbit)</td>
</tr>
<tr>
<td>ATE US (oral)</td>
<td>1870.000 mg/kg bodyweight</td>
</tr>
<tr>
<td>ATE US (dermal)</td>
<td>4000.000 mg/kg bodyweight</td>
</tr>
</tbody>
</table>

Skin corrosion/irritation:
- Not classified

Serious eye damage/irritation:
- Not classified

Respiratory or skin sensitisation:
- Not classified

Germ cell mutagenicity:
- Not classified

Based on available data, the classification criteria are not met

Carcinogenicity:
- Not classified

Reproductive toxicity:
- Not classified

Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure):
- Not classified

Specific target organ toxicity (repeated exposure):
- Not classified

Aspiration hazard:
- Not classified

Potential adverse human health effects and symptoms:
- Harmful if swallowed.

Symptoms/injuries after ingestion:
- Swallowing a small quantity of this material will result in serious health hazard.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - water:
- Toxic to aquatic life with long lasting effects.

<table>
<thead>
<tr>
<th>Trade Secret (&quot;Chemical name, CAS number and/or exact concentration have been withheld as a trade secret&quot;)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50 fish 1</td>
<td>4.6 mg/l (96 h; Pisces; GLP)</td>
</tr>
<tr>
<td>EC50 Daphnia 1</td>
<td>426 mg/l (24 h; Daphnia magna; Locomotor effect)</td>
</tr>
<tr>
<td>LC50 fish 2</td>
<td>2.32 mg/l (96 h; Brachydianio rerio)</td>
</tr>
<tr>
<td>EC50 Daphnia 2</td>
<td>309 mg/l (48 h; Daphnia magna; Locomotor effect)</td>
</tr>
<tr>
<td>Threshold limit algae 1</td>
<td>647 mg/l (72 h; Pseudokirchneriella subcapitata; Biomass)</td>
</tr>
<tr>
<td>Threshold limit algae 2</td>
<td>247 mg/l (72 h; Pseudokirchneriella subcapitata; Growth rate)</td>
</tr>
</tbody>
</table>
### 12.2. Persistence and degradability

**GARLIC TOY FRAGRANCE**

<table>
<thead>
<tr>
<th>Persistence and degradability</th>
<th>May cause long-term adverse effects in the environment.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Trade Secret</strong></td>
<td>( *Chemical name, CAS number and/or exact concentration have been withheld as a trade secret )</td>
</tr>
<tr>
<td>Persistence and degradability</td>
<td>Readily biodegradable in water. Low potential for mobility in soil.</td>
</tr>
</tbody>
</table>

### 12.3. Bioaccumulative potential

**GARLIC TOY FRAGRANCE**

<table>
<thead>
<tr>
<th>Bioaccumulative potential</th>
<th>Not established.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Trade Secret</strong></td>
<td>( *Chemical name, CAS number and/or exact concentration have been withheld as a trade secret )</td>
</tr>
<tr>
<td>BCF fish 1</td>
<td>2286 (Pisces)</td>
</tr>
<tr>
<td>Log Pow</td>
<td>3.88 - 4</td>
</tr>
<tr>
<td>Bioaccumulative potential</td>
<td>Low potential for bioaccumulation (Log Kow &lt; 4).</td>
</tr>
</tbody>
</table>

### 12.4. Mobility in soil

| **Trade Secret**                              | ( *Chemical name, CAS number and/or exact concentration have been withheld as a trade secret ) |
| Surface tension                                 | 0.027 N/m (210 °C) |

### 12.5. Other adverse effects

**Effect on the global warming:** No known ecological damage caused by this product.

**Other information:** Avoid release to the environment.

### SECTION 13: Disposal considerations

**13.1. Waste treatment methods**

**Waste disposal recommendations:** Dispose in a safe manner in accordance with local/national regulations. Dispose in a safe manner in accordance with local/national regulations.

**Ecology - waste materials:** Avoid release to the environment.

### SECTION 14: Transport information

**Department of Transportation (DOT)**

In accordance with DOT

**TDG**

No additional information available

**Transport by sea**

- **UN-No. (IMDG):** 3082
- **Proper Shipping Name (IMDG):** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
- **Class (IMDG):** 9 - Miscellaneous dangerous substances and articles
- **Packing group (IMDG):** III - substances presenting low danger

**Air transport**

- **UN-No. (IATA):** 3082
- **Proper Shipping Name (IATA):** Environmentally hazardous substance, liquid, n.o.s.
- **Class (IATA):** 9 - Miscellaneous Dangerous Goods
- **Packing group (IATA):** III - Minor Danger

### SECTION 15: Regulatory information

**15.1. US Federal regulations**

( *Chemical name, CAS number and/or exact concentration have been withheld as a trade secret )

Listed on the United States TSCA (Toxic Substances Control Act) inventory

**15.2. International regulations**

**CANADA**

No additional information available
EU-Regulations
No additional information available

National regulations
No additional information available

15.3. US State regulations
No additional information available

SECTION 16: Other information

Data sources

Other information
None.

Full text of H-statements:

<table>
<thead>
<tr>
<th>Acute Tox. 4 (Oral)</th>
<th>Acute toxicity (oral), Category 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aquatic Acute 2</td>
<td>Hazardous to the aquatic environment — Acute Hazard, Category 2</td>
</tr>
<tr>
<td>Aquatic Chronic 2</td>
<td>Hazardous to the aquatic environment — Chronic Hazard, Category 2</td>
</tr>
<tr>
<td>H302</td>
<td>Harmful if swallowed</td>
</tr>
<tr>
<td>H401</td>
<td>Toxic to aquatic life</td>
</tr>
<tr>
<td>H411</td>
<td>Toxic to aquatic life with long lasting effects</td>
</tr>
</tbody>
</table>

HMIS III Rating

Health
1 Slight Hazard - Irritation or minor reversible injury possible

Flammability
1 Slight Hazard - Materials that must be preheated before ignition will occur. Includes liquids, solids and semi solids having a flash point above 200 F. (Class IIIB)

Physical
0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.

Personal Protection
B - Safety glasses, Gloves

SDS US Trade Secret (Berje) 5.2

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