1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

trade name: Sweet Potato & Brown Sugar Fragrance Oil

1.2 Relevant identified product use

Intended use: Compound used in customer substance/mixture/product

1.3 Details of the manufacturer/supplier of the safety data sheet

Supplier: Natures Garden Fragrances
42109 State Route 18
Wellington, OH  44090
PHONE: 440-647-0100  FAX: 440-647-0220
http://www.naturesgardencandles.com
Department E-mail address: info@naturesgardencandles.com

2. Hazards Identification

2.1 Classification of the substance or mixture

This mixture has not been tested as a whole. The effects, listed below, are based on evaluation of individual components in accordance with the provisions of the regulation(s) noted below.

Classification according to GHS Regulation (EC) No 1272/2008

<table>
<thead>
<tr>
<th>Category</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Toxicity Oral, Category 4</td>
<td>H302: Harmful if swallowed</td>
</tr>
<tr>
<td>Acute Toxicity Dermal, Category 5</td>
<td>H313: May be harmful in contact with skin</td>
</tr>
<tr>
<td>Corrosion/Irritation, Category 3</td>
<td>H316: Causes mild skin irritation</td>
</tr>
<tr>
<td>Sensitization, Skin, Category 1A</td>
<td>H317: May cause an allergic skin reaction</td>
</tr>
<tr>
<td>Eye Damage/Eye Irritation, Category 2A</td>
<td>H319: Causes serious eye irritation</td>
</tr>
<tr>
<td>Acute Toxicity Inhalation, Category 5</td>
<td>H333: May be harmful if inhaled</td>
</tr>
<tr>
<td>Carcinogenicity, Category 1B</td>
<td>H350: May cause cancer</td>
</tr>
<tr>
<td>Aquatic Acute Toxicity, Category 1</td>
<td>H400: Very Toxic to aquatic life</td>
</tr>
<tr>
<td>Aquatic Chronic Toxicity, Category 2</td>
<td>H411: Toxic to aquatic life with long lasting effects</td>
</tr>
</tbody>
</table>

Classification EU (67/548/EEC, 199/45/EC)

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>N</td>
<td>Dangerous for the Environment</td>
</tr>
<tr>
<td>R51/53</td>
<td>Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment</td>
</tr>
<tr>
<td>T</td>
<td>Toxic</td>
</tr>
<tr>
<td>Carc Cat 2</td>
<td>Category 2 Carcinogen</td>
</tr>
<tr>
<td>R45</td>
<td>May cause cancer</td>
</tr>
<tr>
<td>Xi</td>
<td>Irritant</td>
</tr>
<tr>
<td>R43</td>
<td>May cause sensitization by skin contact</td>
</tr>
<tr>
<td>Xn</td>
<td>Harmful</td>
</tr>
<tr>
<td>R22</td>
<td>Harmful if swallowed</td>
</tr>
</tbody>
</table>

2.2 Label elements

Labeling (REGULATION (EC) No 1272/2008)
Safety Data Sheet
Product: Sweet Potato & Brown Sugar Fragrance Oil

Hazard pictograms

Signal Word: Danger

Hazard statements
- H302 Harmful if swallowed
- H313 May be harmful in contact with skin
- H316 Causes mild skin irritation
- H317 May cause an allergic skin reaction
- H319 Causes serious eye irritation
- H333 May be harmful if inhaled
- H350 May cause cancer
- H400 Very Toxic to aquatic life
- H411 Toxic to aquatic life with long lasting effects

Precautionary Statements

Prevention:
- P201 Obtain special instructions before use
- P202 Do not handle until all safety precautions have been read and understood
- 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
- P281 Use personal protective equipment as required

Response:
- P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell Rinse mouth
- P302 + P352 IF ON SKIN: Wash with soap and water
- P304 + P312 IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell
- P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes Remove contact lenses if present and easy to do. Continue rinsing
- P308 + P313 IF exposed or concerned: Get medical advice/attention
- P333 + P313 If skin irritation or a rash occurs: Get medical advice/attention
- P337 + P313 If eye irritation persists: Get medical advice/attention
- P363 Wash contaminated clothing before reuse
- P391 Collect Spillage

2.3 Other Hazards

no data available

3. Composition/Information on Ingredients

3.1 Mixtures

This product is a complex mixture of ingredients, which contains among others the following substance(s), presenting a health or environmental hazard within the meaning of the UN Globally Harmonized System of Classification and Labeling of Chemicals (GHS):
4. First Aid Measures

4.1 Description of first aid measures

Inhalation: Remove from exposure site to fresh air and keep at rest. Obtain medical advice.

Eye Exposure: Flush immediately with water for at least 15 minutes. Contact physician if symptoms persist.

Skin Exposure: Remove contaminated clothes. Wash thoroughly with water (and soap). Contact physician if symptoms persist.

Ingestion: Rinse mouth with water and obtain medical advice.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms: no data available

Risks: Refer to Section 2.2 “Hazard Statements”

4.3 Indication of any immediate medical attention and special treatment needed

Treatment: Refer to Section 2.2 "Response"
5. Fire-Fighting measures

5.1 Extinguishing media

Suitable: Carbon dioxide (CO2), Dry chemical, Foam

Unsuitable: Do not use a direct water jet on burning material

5.2 Special hazards arising from the substance or mixture

During fire fighting: Water may be ineffective

5.3 Advice for firefighters

Further information: Standard procedure for chemical fires

6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid inhalation and contact with skin and eyes. A self-contained breathing apparatus is recommended in case of a major spill.

6.2 Environmental precautions

Keep away from drains, soil, and surface and groundwater.

6.3 Methods and materials for containment and cleaning up

Clean up spillage promptly. Remove ignition sources. Provide adequate ventilation. Avoid excessive inhalation of vapors. Gross spillages should be contained by use of sand or inert powder and disposed of according to the local regulations.

6.4 Reference to other sections

Not Applicable

7. Handling and Storage

7.1 Precautions for safe handling

Apply according to good manufacturing and industrial hygiene practices with proper ventilation. Do not drink, eat or smoke while handling. Respect good personal hygiene.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool, dry and ventilated area away from heat sources and protected from light in tightly closed original container. Avoid plastic and uncoated metal container. Keep air contact to a minimum.

7.3 Specific end uses

No information available

8. Exposure Controls(Personal Protection)

8.1 Control parameters

Exposure Limits: Contains no substances with occupational exposure limit values

Engineering Controls: Use local exhaust as needed.

8.2 Exposure controls - Personal protective equipment

Eye protection: Tightly sealed goggles, face shield, or safety glasses with brow guards and side shields, etc. as may be appropriate for the exposure

Respiratory protection: Avoid excessive inhalation of concentrated vapors. Apply local ventilation where appropriate.

Skin protection: Avoid Skin contact. Use chemically resistant gloves as needed.
## 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>Appearance</td>
<td>Conforms to Standard</td>
</tr>
<tr>
<td>Odor</td>
<td>Conforms to Standard</td>
</tr>
<tr>
<td>Color</td>
<td>Pale Yellow to Greenish Yellow</td>
</tr>
<tr>
<td>Viscosity</td>
<td>Liquid</td>
</tr>
<tr>
<td>Freezing Point</td>
<td>Not determined</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>Not determined</td>
</tr>
<tr>
<td>Melting Point</td>
<td>Not determined</td>
</tr>
<tr>
<td>Flashpoint</td>
<td>&gt;200 F (93.33 C)</td>
</tr>
<tr>
<td>Auto flammability</td>
<td>Not determined</td>
</tr>
<tr>
<td>Explosive Properties</td>
<td>None Expected</td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>None Expected</td>
</tr>
<tr>
<td>Vapor Pressure (mmHg@20 C)</td>
<td>0.28</td>
</tr>
<tr>
<td>%VOC</td>
<td>2.1304</td>
</tr>
<tr>
<td>Specific Gravity @ 25 C</td>
<td>1.1025</td>
</tr>
<tr>
<td>Density @ 25 C</td>
<td>1.0995</td>
</tr>
<tr>
<td>Refractive Index @ 20 C</td>
<td>1.5585</td>
</tr>
<tr>
<td>Soluble in</td>
<td>Not determined</td>
</tr>
</tbody>
</table>

## 10. Stability and Reactivity

### 10.1 Reactivity

None

### 10.2 Chemical stability

Stable

### 10.3 Possibility of hazardous reactions

None known

### 10.4 Conditions to avoid

None known

### 10.5 Incompatible materials

Strong oxidizing agents, strong acids, and alkalis

### 10.6 Hazardous decomposition products

None known

## 11. Toxicological Information

### 11.1 Toxicological Effects

Acute Toxicity Estimates (ATEs) based on the individual Ingredient Toxicity Data utilizing the "Additivity Formula"

<table>
<thead>
<tr>
<th>Property</th>
<th>Estimate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity - Oral</td>
<td>(LD50: 1,630.53) Harmful if swallowed</td>
</tr>
<tr>
<td>Acute toxicity - Dermal</td>
<td>(LD50: 2,846.24) May be harmful in contact with skin</td>
</tr>
<tr>
<td>Acute toxicity - Inhalation</td>
<td>(LC50: 132.72) May be harmful if inhaled</td>
</tr>
<tr>
<td>Skin corrosion / irritation</td>
<td>Causes mild skin irritation</td>
</tr>
<tr>
<td>Serious eye damage / irritation</td>
<td>Causes serious eye irritation</td>
</tr>
<tr>
<td>Respiratory sensitization</td>
<td>Not classified - the classification criteria are not met</td>
</tr>
</tbody>
</table>
# Safety Data Sheet

## Product: Sweet Potato & Brown Sugar Fragrance Oil

### Skin sensitization
May cause an allergic skin reaction

### Germ cell mutagenicity
Not classified - the classification criteria are not met

### Carcinogenicity
May cause cancer

### Reproductive toxicity
Not classified - the classification criteria are not met

### Specific target organ toxicity - single exposure
Not classified - the classification criteria are not met

### Specific target organ toxicity - repeated exposure
Not classified - the classification criteria are not met

### Aspiration hazard
Not classified - the classification criteria are not met

## 12. Ecological Information

### 12.1 Toxicity

<table>
<thead>
<tr>
<th>Type</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute aquatic toxicity</td>
<td>Very Toxic to aquatic life</td>
</tr>
<tr>
<td>Chronic aquatic toxicity</td>
<td>Toxic to aquatic life with long lasting effects</td>
</tr>
<tr>
<td>Toxicity Data on soil</td>
<td>no data available</td>
</tr>
<tr>
<td>Toxicity on other organisms</td>
<td>no data available</td>
</tr>
</tbody>
</table>

### 12.2 Persistence and degradability
no data available

### 12.3 Bioaccumulative potential
no data available

### 12.4 Mobility in soil
no data available

### 12.5 Other adverse effects
no data available

## 13. Disposal Conditions

### 13.1 Waste treatment methods
Do not allow product to reach sewage systems. Dispose of in accordance with all local and national regulations. Send to a licensed waste management company. The product should not be allowed to enter drains, water courses or the soil. Do not contaminate ponds, waterways or ditches with chemical or used container.

## 14. Transport Information

<table>
<thead>
<tr>
<th>Regulator</th>
<th>Class</th>
<th>Pack Group</th>
<th>Sub Risk</th>
<th>UN-nr.</th>
</tr>
</thead>
<tbody>
<tr>
<td>U.S. DOT (Non-Bulk)</td>
<td>Not Regulated - Not Dangerous Goods</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chemicals NOI</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ADR/RID (International Road/Rail)</td>
<td>Environmentally Hazardous Substance, Liquid, n.o.s.</td>
<td>9</td>
<td>III</td>
<td>UN3082</td>
</tr>
<tr>
<td>IATA (Air Cargo)</td>
<td>Environmentally Hazardous Substance, Liquid, n.o.s.</td>
<td>9</td>
<td>III</td>
<td>UN3082</td>
</tr>
<tr>
<td>IMDG (Sea)</td>
<td>Environmentally Hazardous Substance, Liquid, n.o.s.</td>
<td>9</td>
<td>III</td>
<td>UN3082</td>
</tr>
</tbody>
</table>
15. Regulatory Information

Additional European Regulations:

European Union (EINECS, ELINCS or NLP): 100.00% (by Wt) of the components are listed or exempt.

Additional Asian Regulations:

Australian AICS: 100.00% (by Wt) of the ingredients on AICS or notified.
Chinese IECS: 100.00% (by Wt) of the ingredients on IECS.
Japan ENCS: 99.59% (by Wt) of the ingredients on ENCS, fall within the 1000 kilogram per annum exemption or have been notified.
Korea KECL: 99.99% (by Wt) of the ingredients on KECL, fall within the 100 kilogram per annum exemption or have been notified.
New Zealand NZIoC: 100.00% (by Wt) of the ingredients on NZIoC.
Philippines PICCS: 100.00% (by Wt) of the ingredients on PICCS.

The Status of the following ingredient(s) is NOT known for the registration lists noted:

Lists noted within <> brackets after name
23747-48-0 245-864-1 <= 70 ppm 5H-5-Methyl-6,7-dihydrocyclopenta(b)pyrazine : < ENCS>

16. Other Information

GHS H-Statements referred to under section 3

Total Fractional Values

<table>
<thead>
<tr>
<th>(TFV) Risk</th>
<th>(TFV) Risk</th>
</tr>
</thead>
<tbody>
<tr>
<td>(1.36) Skin Corrosion/Irritation, Category 3</td>
<td>(37.40) Sensitization, Skin, Category 1A</td>
</tr>
<tr>
<td>(1.79) Eye Damage/Eye Irritation, Category 2A</td>
<td>(7.90) Carcinogenicity, Category 1B</td>
</tr>
<tr>
<td>(2.87) Aquatic Acute Toxicity, Category 1</td>
<td>(3.16) Aquatic Chronic Toxicity, Category 2</td>
</tr>
</tbody>
</table>

Department E-mail address: info@naturesgardencandles.com

Remarks

This safety data sheet is based on the properties of the material known to Natures Garden Fragrances™ at the time the data sheet was issued. The safety data sheet is intended to provide information for a health and safety assessment of the material and the circumstances, under which it is packaged, stored or applied in the workplace. For such a safety assessment Natures Garden Fragrances™ holds no responsibility. This document is not intended for quality assurance purposes.