01. IDENTIFICATION OF THE SUBSTANCE/PREPARATION & THE COMPANY/UNDERTAKING

1.1 Product Identifier

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Avocado Oil Unrefined.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biological Definition</td>
<td>The oil obtained from pressing the fruits of <em>Persea gratissima</em> Gaertn. (syn <em>Persea americana</em> Mill.).</td>
</tr>
<tr>
<td>INCI Name</td>
<td>Persea gratissima oil.</td>
</tr>
<tr>
<td>Synonyms &amp; Trade Names</td>
<td>Alligator pear oil.</td>
</tr>
<tr>
<td>CAS-No</td>
<td>8024-32-6</td>
</tr>
<tr>
<td>EC No.</td>
<td>232-428-0</td>
</tr>
<tr>
<td>EINECS No.</td>
<td>232-428-0</td>
</tr>
</tbody>
</table>

1.2 Relative identified uses of the substance or mixture and uses advised against

No additional data available.

1.3 Details of the supplier of the safety data sheet

Essential Oils Direct Ltd 13 Parkside Industrial Estate, Royton, Oldham OL2 6DS - Reg No 04199912

1.4 Emergency Tel. No.

+ 44 (0) 161 633 3952

02. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Not classed as a hazardous substance.

Classification (EC 1272/2008)

Not classed as a hazardous substance.

2.2 Label Elements

Label in accordance with (EC) No 1272/2008

No labelling required.

Signal Word

None.

Contains

Contains no hazardous substances. Avocado oil is pressed from the fruit pulp and is composed primarily of oleic acid based glycerides & some 10% of unsaponifiable compounds, such as sterols and volatile acids.

Hazard Statements

None.

Precautionary Statements

None.

Supplementary Precautionary Statements

None.

2.3 Other Hazards

PBT or vPvB according to Annex XIII

No.

Adverse physio-chemical properties

Oil is flammable but of low risk.

Adverse effects on human health

No symptoms known.
03. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

| 100% Persea gratissima oil | Cas No: 8024-32-6 | not classed as a hazardous product |

04. FIRST AID MEASURES

4.1 Description of first aid measures

| Inhalation | Move the exposed person to fresh air at once. Seek medical attention if any discomfort continues. |
| Ingestion  | Rinse mouth with water. Seek medical attention if any discomfort occurs. |
| Skin Contact | Remove contaminated clothing. Wash skin with soap and water. Seek medical attention if any discomfort continues. |
| Eye Contact | Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Seek medical attention immediately. Continue to rinse. |

4.2 Most important symptoms and effects, both acute and delayed

No symptoms known.

4.3 Indication of any immediate medical attention and special treatment needed

None.

05. FIRE-FIGHTING MEASURES

5.1 Extinguishing Media

Extinguishing media: Carbon dioxide (CO₂). Dry Chemical Powder. Foam.

Unsuitable extinguishing media: do not use direct water jet on burning material.

5.2 Special hazards arising from the product

No specific hazards.

5.3 Advice for firefighters

Closed containers may build up pressure when exposed to heat and should be cooled with water spray. Wear protective clothing. Avoid inhalation of vapours.

06. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Use protective gloves, goggles and suitable protective clothing. Remove sources of ignition, provide adequate ventilation. Avoid contact with skin and eyes.

6.2 Environmental Precautions

Do not discharge into drains, water courses or onto the ground. Dispose of in line with Local authority guidelines.

6.3 Methods and material for containment and cleaning up.

Soak up spillage with sand or other inert material. Transfer soaked material to suitable waste container and dispose according to prevailing regulations. If spillage on water occurs; Remove from the surface with suitable adsorbent material. Disposal according to UK/EU Environmental regulations.

6.4 Reference to other sections

None.

07. HANDLING AND STORAGE

7.1 Precautions for safe handling
Apply good manufacturing practice & industrial hygiene practices, ensuring proper workplace ventilation. Observe good personal hygiene, and do not eat, drink or smoke whilst handling.

7.2 Conditions for safe storage, including any incompatibilities

Store in tightly closed original container, in a cool (max room temperature) dry & ventilated area away from heat sources. Protect from freezing and direct sunlight. Keep air contact to a minimum. Intrusion into the soil to be avoided.

7.3 Specific end use(s)

No additional data available.

**08. EXPOSURE CONTROLS/PERSONAL PROTECTION**

8.1 Control parameters

None.

8.2 Exposure controls

<table>
<thead>
<tr>
<th>Protective Equipment</th>
<th>Goggles</th>
<th>Gloves</th>
<th>Overalls</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Process Conditions</strong></td>
<td>No special measures required.</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Engineering Measures</strong></td>
<td>Provide adequate ventilation.</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Respiratory Equipment</strong></td>
<td>Use adequate ventilation, especially wen handling hot oil.</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Hand Protection</strong></td>
<td>Use chemically resistant gloves if there is a risk of direct contact or splashing.</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Eye Protection</strong></td>
<td>Wear safety goggles or face shield if risk of splashing.</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Other Protection</strong></td>
<td>Slip proof shoes may be worn in event of spillages.</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Hygiene Measures</strong></td>
<td>Good personal hygiene practices are always advisable, especially when working with chemicals / oils.</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Personal Protection</strong></td>
<td>Wear appropriate clothing to prevent possibility of skin contact.</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Skin Protection</strong></td>
<td>Wear appropriate clothing to prevent possibility of skin contact.</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Environmental Exposure Controls</strong></td>
<td>Avoid discharging into drainage water.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**09. 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>Clear, green to yellowish liquid.</td>
</tr>
<tr>
<td>Colour</td>
<td>Green to yellowish.</td>
</tr>
<tr>
<td>Odour</td>
<td>Characteristic</td>
</tr>
<tr>
<td>Relative Density</td>
<td>0.912 - 0.923 @ 20°C</td>
</tr>
<tr>
<td>Flash Point (°C)</td>
<td>&gt;200°C</td>
</tr>
<tr>
<td>Refractive Index</td>
<td>1.468 - 1.476 @ 20°C</td>
</tr>
<tr>
<td>Melting Point (°C)</td>
<td>No additional data available.</td>
</tr>
<tr>
<td>Boiling Point (°C)</td>
<td>No additional data available.</td>
</tr>
<tr>
<td>Vapour Pressure</td>
<td>No additional data available.</td>
</tr>
<tr>
<td>Solubility in Water @20°C</td>
<td>Insoluble in water. Soluble in vegetable oils.</td>
</tr>
<tr>
<td>Auto-ignition temperature (°C)</td>
<td>No additional data available.</td>
</tr>
</tbody>
</table>

9.2 Other information

No additional data available.
10. STABILITY AND REACTIVITY

10.1 Reactivity
Generally stable. It presents no significant reactivity hazards, by itself or in contact with water.

10.2 Chemical stability
Stable under the recommended handling and storage conditions.

10.3 Possible hazardous reactions
None.

10.4 Conditions to Avoid
Avoid storage temperatures above 25°C.

10.5 Incompatible materials
Avoid contact with strong acids, alkalis and oxidising agents.

10.6 Hazardous Decomposition Products
Does not decompose at proper handling. Liable to cause smoke & acid fumes during combustion: carbon monoxide, carbon dioxide & other non-identified organic compounds may be formed.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

<table>
<thead>
<tr>
<th>Effect</th>
<th>Data Available</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Toxicity</td>
<td>No additional data available.</td>
</tr>
<tr>
<td>Skin corrosion / irritation</td>
<td>No additional data available.</td>
</tr>
<tr>
<td>Serious eye damage / irritation</td>
<td>No additional data available.</td>
</tr>
<tr>
<td>Respiratory or skin sensitisation</td>
<td>No additional data available.</td>
</tr>
<tr>
<td>Germ Cell Mutagenicity</td>
<td>No additional data available.</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>No additional data available.</td>
</tr>
<tr>
<td>Reproductive toxicity</td>
<td>No additional data available.</td>
</tr>
<tr>
<td>STOT-single exposure</td>
<td>No additional data available.</td>
</tr>
<tr>
<td>STOT-repeated exposure</td>
<td>No additional data available.</td>
</tr>
<tr>
<td>Aspiration hazard</td>
<td>No additional data available.</td>
</tr>
<tr>
<td>Photo-toxicity</td>
<td>Not photo toxic.</td>
</tr>
<tr>
<td>Other Information</td>
<td>None.</td>
</tr>
</tbody>
</table>

12. ECOLOGICAL INFORMATION

12.1 Toxicity
No additional data available.

12.2 Persistence & degradability
Expected to be fully biodegradable.

12.3 Bioaccumulation Potential
Possible.

12.4 Mobility in soil
No additional data available.

12.5 Results of PBT and vPvB Assessment
No additional data available.

12.6 Other adverse effects
Do not allow product to enter streams, sewers or other waterways.
### 13. DISPOSAL CONSIDERATIONS

#### 13.1 Waste treatment methods

Collect and dispose of waste product in accordance with local authority guidelines. Product remainders should not intrude soil or waters.

### 14. TRANSPORT INFORMATION

#### 14.1 UN number

<table>
<thead>
<tr>
<th>UN No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN No. Road</td>
<td>Not applicable - Non hazardous product.</td>
</tr>
<tr>
<td>UN No. SEA</td>
<td>Not applicable - Non hazardous product.</td>
</tr>
<tr>
<td>UN No. AIR</td>
<td>Not applicable - Non hazardous product.</td>
</tr>
</tbody>
</table>

#### 14.2 UN proper shipping name

Not applicable - Non hazardous product.

#### 14.3 Transport hazard class(es)

Not applicable - Non hazardous product.

#### 14.4 Packing group

Not applicable - Non hazardous product.

#### 14.5 Environmental hazards

No hazard label necessary – non hazardous product.

#### 14.6 Special precautions for user

See sections 6 – 8.

#### 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC code

Not defined.

### 15. REGULATORY INFORMATION

#### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

- **Statutory Instruments**
  - Approved Code Of Practice
  - Classification and Labelling of Substances and Preparations Dangerous for Supply.
  - Guidance Notes
  - Workplace Exposure Limits EH40. CHIP for everyone HSG 108.

- **EU Legislation**

#### 15.2 Chemical safety assessment

No additional information available.

### 16. OTHER INFORMATION

- **Hazard and/or Precautionary Statements in Full**
  - None - non hazardous product.

- **Other Information**
  - None.

- **Revision Date**
  - 23/06/2015
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