1. PRODUCT NAME AND COMPANY IDENTIFICATION

Product Name: KARANJA OIL (COLD PRESSED)
Product Use: Personal Care and Agriculture Formulations
Company Name: OZONE BIOTECH
Company Address: Plot No 6, 14/3, Mathura Road, Faridabad (INDIA)
Date Issued: 01/04/2011
Emergency Telephone Number: Tel: +91 129 4196800

2. COMPOSITION/INGREDIENT INFORMATION

Chemical Identity: Karanja (Pongamia glabra) seed oil
Synonyms: Cytisus pinnatus L., Derris indica L., Pongamia pinnata
Hazardous Components: None
CAS #: 
Country of Origin: INDIA

3. HAZARDS IDENTIFICATION

Eye Contact: No hazard
Skin Contact: No hazard
Ingestion: No hazard
Inhalation: No hazard

4. FIRST AID MEASURES

Eyes: Flush with water for at least 15 minutes. Call physician if irritation persists
Skin: Wash with soap and water- get medical attention if irritation occurs.
Ingestion: Rinse mouth and consult a physician immediately. Never-give anything by mouth if victim is unconscious, is rapidly losing consciousness, or is convulsing.
Inhalation: Remove to fresh air. Avoid casual breathing

5. FIRE FIGHTING MEASURES

Flash Point: > 100
Extinguishing Media:
- Carbon Dioxide
- Foam
- Dry Chemical
• Combustible material. Limit the spread of oil.

**Special Firefighting Procedures:**
• Use air supplied equipment for fighting interior fires.
• Cool fire exposed containers with water spray.

### 6. ACCIDENTAL RELEASE MEASURES (STEPS FOR SPILLS)

**Personal Protection:** N/A

**Environmental Protection:** Notify authorities if large amounts of product enters sewer.

**Methods for Cleaning Up:**
• Absorb onto an inert, absorbent substrate and sweep up.
• Wash area with soap and water. Area may be slippery; take precautions.

### 7. HANDLING AND STORAGE

**Handling**

**Safe Handling:**
• Wear safety glasses.
• Keep away from oxidizing agents, excessive heat and sources of ignition.

**Storage**

**Requirements for Storage Areas and Containers:** Store in a cool (below 40°C), dry location, in a sealed container in a well ventilated area.

### 8. EXPOSURE CONTROL/PERSONAL PROTECTION

**Engineering Controls:** None

**Personal Protection**

**Eye:** Safety glasses may be worn.

**Skin/Body:** Lab coats and gloves may be worn.

**Ventilation:** Good ventilation is sufficient.

**Other:** Evaluate need based on application. Slip proof shoe may be worn

**Work/Hygiene Practice:** Normal work and hygiene practices for handling non-hazardous liquid material.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Pale yellow liquid

**Physical State:** Liquid, viscous

**Odor:** Characteristic odd odor

**Specific Gravity (H2O = 1):** 0.925 – 0.940 @ 20°C

**Saponification Value:** 185 – 195

**Unsaponifiables:** 3.0 %

**Vapor Pressure (mm Hg.):** Negligible

**Melting Point:** - 5°C

**Boiling Point:** > 100°C

**Auto Ignition Temperature:** > 200°C

**Solubility in Water:** Soluble in alcohol and oils. Insoluble in water.

**Cloud Point:** 8.3 °C
10. **STABILITY AND REACTIVITY**

<table>
<thead>
<tr>
<th>Stability:</th>
<th>Stable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conditions to Avoid:</td>
<td>Excessive heat and sources of ignition</td>
</tr>
<tr>
<td>Incompatibility (Materials to Avoid):</td>
<td>Avoid strong oxidizers</td>
</tr>
<tr>
<td>Hazardous Decomposition:</td>
<td>None (Thermal decomposition products are H2O and CO2)</td>
</tr>
<tr>
<td>Byproducts:</td>
<td>Will Not Occur</td>
</tr>
</tbody>
</table>

11. **TOXICOLOGICAL INFORMATION**

<table>
<thead>
<tr>
<th>Signs and Symptoms of Exposure:</th>
<th>No information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toxicity Data:</td>
<td>No information</td>
</tr>
<tr>
<td>Irritancy:</td>
<td>Skin: Not expected to be an irritant</td>
</tr>
<tr>
<td></td>
<td>Eyes: Not expected to be an irritant</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Reproductive Toxicity:</th>
<th>N/A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teratogenicity:</td>
<td>N/A</td>
</tr>
<tr>
<td>Mutagenicity:</td>
<td>N/A</td>
</tr>
<tr>
<td>Name of toxicologically synergistic products:</td>
<td>N/A</td>
</tr>
</tbody>
</table>

12. **ECOLOGICAL INFORMATION**

Ecological Information: No ecological hazards are associated with this product.

13. **DISPOSAL CONSIDERATIONS**

Waste Disposal Methods: Do not put into sewer lines.

14. **TRANSPORT INFORMATION**

DOT Classification: Not regulated

15. **REGULATORY INFORMATION**

No Information

16. **ADDITIONAL INFORMATION**

Ozone Biotech

Plot No. 6, 14/3, Mathura Road,
Faridabad – 121003 (Haryana) INDIA
Tel: +91 129 4196800
Date Prepared: April 2011

The information contained herein is provided in good faith and is believed to be correct as of the date. However, Ozone Biotech makes no representation as to the comprehensives or accuracy of the information. Final determination of suitability of any material is the sole responsibility of the user. All material may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards, which exist. It is expected that individuals receiving the information will exercise this independent judgment in deforming its appropriateness for a specific purpose.