MATERIAL SAFETY DATA SHEET

SECTION 1: PRODUCT IDENTIFICATION

Product name: grape seed oil (Vitis vinifera)

CAS: 8024-22-4

Contact: Go Native New Zealand PO Box 32579 Devonport Auckland, New Zealand Ph (0064 9) 4453549

HMIS Rating:

Health: 0
Flammability: 0
Reactivity: 0

The HMIS (Hazardous Materials Identification System) is a subjective rating system developed by the National Paint and Coating Association. Numerical ratings for health (H), flammability (F), and reactivity (R) are made using a scale of 0-4 where 0=no hazard, 1=slight hazard, 2=moderate hazard, 3=high hazard, 4=extreme hazard.
## SECTION 2: COMPOSITION AND INGREDIENTS

<table>
<thead>
<tr>
<th>Property</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product</td>
<td>Grape seed oil, cold pressed, refined</td>
</tr>
<tr>
<td></td>
<td>Organic, not certified</td>
</tr>
<tr>
<td>Botanical name</td>
<td>Vitis vinifera</td>
</tr>
<tr>
<td>Appearance</td>
<td>Clear light green oily liquid</td>
</tr>
<tr>
<td>Acid value</td>
<td>0.18 KOH mg/g</td>
</tr>
<tr>
<td>Peroxide value</td>
<td>0.71 meq O2/kg</td>
</tr>
<tr>
<td>Refraction index</td>
<td>1.4700-1.4812</td>
</tr>
<tr>
<td>Specific gravity</td>
<td>0.915-0.930</td>
</tr>
<tr>
<td>Saponification value</td>
<td>180-196</td>
</tr>
<tr>
<td>Unsaponified matter</td>
<td>1.16%</td>
</tr>
<tr>
<td>Moisture and volatiles</td>
<td>0.07%</td>
</tr>
<tr>
<td>Fatty acid composition %</td>
<td></td>
</tr>
<tr>
<td>Palmitic acid</td>
<td>7.90</td>
</tr>
<tr>
<td>Stearic acid</td>
<td>4.58</td>
</tr>
<tr>
<td>Oleic acid</td>
<td>14.14</td>
</tr>
<tr>
<td>Linoleic acid</td>
<td>72.98</td>
</tr>
<tr>
<td>Other</td>
<td>0.40</td>
</tr>
</tbody>
</table>

## SECTION 3: HAZARDS IDENTIFICATION

**Health hazards (acute and chronic):**

Ingestion: Slightly hazardous.

Eye contact: Slightly hazardous

Skin contact: Not hazardous.
SECTION 4: FIRST AID INFORMATION

Emergency and first aid procedures:

Ingestion: Do not induce vomiting. If large quantities are swallowed, call a doctor immediately.

Eye contact: Flush thoroughly with water for 15 minutes. Seek medical attention if irritation persists.

Skin: Wash with warm soapy water. NZ Emergency Telephone Number: 111 or call Local Poison Control Centre: 0800764766.

SECTION 5: FIRE FIGHTING INFORMATION

Flammability: May be combustible at high temperatures.

Auto-ignition temperature: 343°C.

Firefighting Instructions: small fire – use dry chemical powder; large fire – use water spray, fog or foam.

Do not use water jet.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions: none.

Small spill: absorb with an inert material and put the spilled material in an appropriate waste disposal unit.

Large spill: As for a small spill. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.
SECTION 7: HANDLING AND STORAGE

Keep away from heat, from sources of ignition.

Empty containers pose a fire risk, evaporate the residue under a fume hood.

Keep away from incompatibles such as oxidizing agents, acids.

Keep container tightly closed, in a well-ventilated area.

Do not store above 23°C.

SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION

None.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance & odour: liquid; none.

Flash point: N/A

Water solubility: insoluble.

pH: N/A

SECTION 10: STABILITY AND REACTIVITY

SECTION 11: TOXICOLOGICAL INFORMATION

Routes of entry: skin and eyes. Toxic effects: not hazardous in case of ingestion of large amounts.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity: Not available.

SECTION 13: DISPOSAL AND TRANSPORT CONSIDERATIONS

N/A.

SECTION 14: REGULATORY INFORMATION

N/A.

SECTION 15: DISCLAIMER

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