Material Data Safety Sheet (MSDS):

**Crude Glycerin**

1. **Product Identification**

MSDS Name: Crude Glycerin  
Company Identification: Glycerin Traders 2010 Michigan Ave. LaPorte, IN 46350  
219-369-4991 office 219-851-6089 mobile  
**dzeedyk@hotmail.com  www.glycerintraders.com**

2. **Composition/Information on Ingredients**

<table>
<thead>
<tr>
<th>CAS#</th>
<th>Chemical Name</th>
<th>Wt %</th>
<th>EINECS#</th>
</tr>
</thead>
<tbody>
<tr>
<td>56-81-5</td>
<td>Glycerin</td>
<td>70-90</td>
<td></td>
</tr>
<tr>
<td>67-56-1</td>
<td>Methanol</td>
<td>&lt;1.0</td>
<td></td>
</tr>
<tr>
<td>124-41-4</td>
<td>Ash</td>
<td>3-7</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Fatty Acid</td>
<td>1-5</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Water</td>
<td>5-10</td>
<td></td>
</tr>
</tbody>
</table>

3. **Hazards Identification**

**EMERGENCY OVERVIEW**

Appearance: Flash Point: >200 Deg F

May cause skin irritation May cause respiratory and digestive tract irritation Causes severe eye irritation and possible injury.

**Potential Health Effects**

**Eye:**
Produces irritation, characterized by a burning sensation, redness, tearing, inflammation, and possible corneal injury. Vapors may cause eye irritation. May cause painful sensitization to light.

**Skin:**
May cause skin irritation.
Ingestion:
May cause irritation of the digestive tract. May cause kidney damage.

Inhalation:
May cause respiratory tract irritation. May cause effects similar to those described for ingestion.

Chronic:
Prolonged or repeated skin contact may cause dermatitis. Chronic inhalation and ingestion may cause effects similar to those of acute inhalation and ingestion.

4. First Aid Measures

Eyes:
Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower lids. Get medical aid immediately.

Skin:
Get medical aid. Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes.

Ingestion:
If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid immediately. Induce vomiting by giving one teaspoon of Syrup of Ipecac.

Inhalation:
Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

Notes to Physician:
Effects may be delayed. Ethanol may inhibit metabolism.

5. Fire Fighting Measures

General Information:
As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Will burn if involved in a fire. Use water spray to keep fire-exposed containers cool. Vapors may be heavier than air. They can spread along the ground and collect in low or confined areas. May be ignited by heat, sparks, and flame. Containers may explode when heated.

Extinguishing Media:
For small fires, use dry chemical, carbon dioxide, water spray or alcohol-resistant foam. Use water spray to cool fire-exposed containers. Water may be ineffective. For large fires, use dry chemical, carbon dioxide, alcohol-resistant foam, or water spray. Cool containers with flooding quantities of water until well after fire is out.

Auto ignition Temperature: 455 deg C (851.00 deg F)
Flash Point: >200 Deg F  
NFPA Rating: health-0; flammability-0; reactivity-0  
Explosion Limits, Lower: 6.00 vol %  
Upper: 31.00 vol %

6. Accidental Release Measures

**General Information:** Use proper personal protective equipment as indicated in Section 8.

**Spills/Leaks:**
Absorb spill with inert material, (e.g., dry sand or earth), then place into a chemical waste container. Remove all sources of ignition. Provide ventilation. A vapor suppressing foam may be used to reduce vapors. Water spray may reduce vapor but may not prevent ignition in closed spaces.

7. Handling and Storage

**Handling:**
Wash thoroughly after handling. Use only in a well ventilated area. Ground and bond containers when transferring material. Empty containers retain product residue, (liquid and/or vapor), and can be dangerous. Keep container tightly closed. Avoid contact with heat, sparks and flame. Avoid ingestion and inhalation. Do not ingest or inhale. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat, sparks or open flames.

**Storage:**
Keep away from heat, sparks, and flame. Keep away from sources of ignition. Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

8. Exposure Controls/Personal Protection

**Engineering Controls:**
Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

**Personal Protective Equipment**

**Eyes:**
Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

**Skin:**
Wear appropriate protective gloves to prevent skin exposure.

**Clothing:**
Wear appropriate protective clothing to prevent skin exposure.
Respirators:
Follow the OSHA respirator regulations found in 29CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

9. Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Brown liquid</td>
</tr>
<tr>
<td>Odor</td>
<td>mild</td>
</tr>
<tr>
<td>Solubility</td>
<td>miscible with water</td>
</tr>
<tr>
<td>Density</td>
<td>1.25 g/cm³</td>
</tr>
<tr>
<td>pH: apparent</td>
<td>7</td>
</tr>
<tr>
<td>% Volatiles by weight</td>
<td>1</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>Not available</td>
</tr>
<tr>
<td>Melting Point</td>
<td>Not available</td>
</tr>
<tr>
<td>Vapor Density (Air=1)</td>
<td>1.1</td>
</tr>
<tr>
<td>BTU</td>
<td>8700</td>
</tr>
<tr>
<td>ASH</td>
<td>7%</td>
</tr>
<tr>
<td>Flash Point</td>
<td>200 Deg F</td>
</tr>
</tbody>
</table>

10. Stability and Reactivity

Chemical Stability:
Stable under normal temperatures and pressures.

Conditions to Avoid:
High temperatures, incompatible materials, ignition sources.

Hazardous Decomposition Products:
Carbon monoxide, carbon dioxide

Hazardous Polymerization: Has not been reported

11. Disposal Considerations

Dispose of in a manner consistent with federal, state, and local regulations.

12 Transportation

Not Regulated by DOT

13. Other Information
The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall Glycerin Traders be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Glycerin Traders has been advised of the possibility of such damages.