



## Safety Data Sheet

### **Section 1: Identification**

Crude Glycerin (Glycerol, 1,2,3-Propanetriol)

CAS No.: 56-81-5

Manufactured by:

Owensboro Grain Biodiesel  
1145 Ewing Road P.O. Box 1787  
Owensboro, KY 42302  
(270) 926-2032

Emergency Health and Safety Number:

(270) 926-2032

### **Section 2: Hazard Identification**

Classification: Not classified

Label elements:

Signal word: Warning

CAUTION – High concentrations of mist may cause irritation of respiratory tract.

Hazard Statement:

May cause eye/skin irritation. Inhalation at room temperature is unlikely due to low vapor pressure. Inhalation of mist may cause irritation of the respiratory tract. Chronic exposure may cause kidney injury. No harmful effects expected in amounts likely to be ingested by accident.

Surfaces coated with product are slippery. Temperature may be hot during/after processing. Avoid contact with hot product to prevent thermal burns.

NFPA rating: Health: 1 Fire: 1 Reactivity: 0

HMIS rating: Health: 1 Fire: 1 Reactivity: 0

### **Section 3: Composition Information on Ingredients**

Derived from soy oil.

<b><u>Chemical Name</u></b>	<b><u>CAS- No.</u></b>	<b><u>Concentration</u></b>
Glycerin	56-81-5	> 80 %
Water	7732-18-5	< 15 %
Sodium chloride	7647-14-5	< 5 %
Methanol	67-56-1	< 1 %

#### **Section 4: First Aid Measures**

**Inhalation:** Due to the extremely low volatility of this product, inhalation exposures are not expected. Remove to fresh air. Get medical attention for any breathing difficulty.

**Ingestion:** First aid is normally not required. If more than a pint is ingested, seek medical attention. Low toxicity. Ingestion may cause nausea, headache, and diarrhea.

**Skin Contact:** Remove contaminated clothing. Wash affected skin with soap and water.

**Eye Contact:** Flush eyes with water. Remove contact lenses, if present and easy to do. Seek medical attention as needed. Persons with pre-existing skin disorders, eye problems, or impaired liver or kidney function may be more susceptible to the effects of this substance.

#### **Section 5: Fire Fighting Measures**

**Hazardous Combustion Products:** Carbon oxides released during combustion.

**Special Fire Fighting Procedures:** Low fire hazard due to high flashpoint. A Class B fire extinguisher (Carbon dioxide, Dry chemical or Foam) may be used on adjacent fire exposure.

Application of water to burning material could cause splashing and spread the fire.

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

#### **Section 6: Accidental Release Measures**

Ventilate area of spill or leak. Absorb liquid spill with dry absorbent. Containerize unstable material for disposal in an approved waste facility. Clean-up personnel may require protective equipment. Larger releases should be contained for recovery or disposal. Prevent entry into sewers and public waters.

#### **Section 7: Handling and Storage**

Keep in tightly closed containers. Store in cool, dry, ventilated area. Protect against physical damage. Separate from incompatibles (strong oxidizers, acids, bases).

#### **Section 8: Exposure Control/Personal Protection**

**Respiratory Protection:** Not required under normal handling conditions. If TLV is exceeded, a half mask chemical cartridge respirator may be worn up to 10 times the TLV or the maximum use concentration specified by the respirator supplier, whichever is less.

**Ventilation:** Local and/or general exhaust recommended to keep employee exposure below airborne exposure limits.

**Protective Gloves:** Chemical-resistant gloves recommended.

**Eye Protection:** Chemical goggles recommended.

**Other:** Wear clean body covering. Contact lenses should not be worn when working with this material.

**Occupational exposure limits established for this material:**

OSHA PEL: 5 mg/m<sup>3</sup>                      ACGIH/TLV: 10 mg/m<sup>3</sup> Mist

**Work/Hygienic Practices:** Maintain eyewash fountain and quick-drench shower facilities in the work area. Good personal hygiene practices should be followed. Wash hands and face before eating, drinking, etc.

**Section 9: Physical and Chemical Properties**

<b>Flashpoint (Method):</b>	248°F	
<b>Flammable Limits:</b>	LEL: Unknown	UEL: Unknown
<b>Auto-ignition Temperature:</b>	400°C	
<b>Appearance:</b>	Pale yellow	
<b>Evaporation rate:</b>	No data available	
<b>Specific Gravity:</b>	1.22 – 1.24 @ 25°C (77°F)	
<b>Vapor density:</b>	3.17	
<b>Solubility in Water:</b>	Soluble	

**Section 10: Stability and Reactivity**

<b>Stability:</b>	Stable
<b>Conditions to Avoid:</b>	Avoid extended heating or overheating. Glycerin decomposes upon heating above 200 C, forming corrosive gas (acrolein).
<b>Incompatibility (Materials to avoid):</b>	Strong oxidizers, acids and bases.
<b>Hazardous Decomposition or Byproducts:</b>	Toxic gases and vapors may be released during combustion.
<b>Hazardous Polymerization:</b>	No

**Section 11: Toxicological Information**

Routes of Entry: Inhalation: Yes    Skin: Yes    Eyes: Yes    Ingestion: Yes

Carcinogenicity: No                      OSHA Regulated: No

Inhalation is unlikely at room temperature due to low vapor pressure. Inhalation of mist may cause irritation of the respiratory tract. Chronic exposure may cause kidney injury.

If a large quantity is ingested, may cause nausea, headache, and diarrhea.  
Skin or eye contact may cause irritation

Persons with pre-existing skin disorders, eye problems, or impaired liver or kidney function may be more susceptible to the effects of this substance.

**Section 12: Ecological Information** (Non-mandatory)

When released into the soil, this material is expected to readily biodegrade and is not expected to evaporate significantly. When released into water, this material is expected to readily biodegrade and is not expected to significantly bioaccumulate.

**Section 13: Disposal Considerations** (Non-mandatory)

Do not discharge into drains, water courses or onto the ground. Discharge, treatment or disposal may be subject to national, state or local laws.

**Section 14: Transport Information** (Non-mandatory)

DOT Code: Not regulated.  
DOT Shipping Name: Not regulated.

**Section 15: Regulatory Information** (Non-mandatory)

SARA Title III

Section 302: Not regulated  
Section 311/312: Acute hazard  
Section 313: Not listed.

CERCLA Hazardous Substance list: Not regulated.

Toxic Substance Control Act: Listed in TSCA inventory

Clean Air Act Section 112(r): Not regulated.

Clean Water Act, Section 311 Hazardous Substances: Not regulated.

**Section 16: Other Information**

The information on this SDS is believed to be accurate. However, each purchaser should make its own determination about the suitability of the product for its purposes. The manufacturer assumes no responsibility for any risk or liability arising from the use of this information or the product.

[January 2019 Revision]