

Safety Data Sheet

Section 1: Identification

Yellow Glycerin
CAS No.: 56-81-5

Manufactured by: Owensboro Grain Bio-based Products
1145 Ewing Road P.O. Box 1787
Owensboro, KY 42302
(270) 926-2032

Emergency Health and Safety Number: 270-686-6628

Section 2: Hazard Identification

Classification: Health hazard

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.

Section 3: Composition Information on Ingredients

Glycerin (CAS No. 56-81-5) -percent by weight variable

Water (CAS No. 7732-18-5) -percent by weight variable

Also contains Fatty Acid Methyl Esters of vegetable origin. Contains less than 0.1 % of Glycidol

Section 4: First Aid Measures

Inhalation: Move to fresh air. Get medical attention for any breathing difficulty. Excessive inhalation of mist may result in respiratory irritation. See Section 8 for exposure limits.

Ingestion: Clean mouth with water and drink plenty of water after exposure. May be harmful if swallowed. Not for human consumption.

Skin Contact: Remove contaminated clothing. Wash affected skin with soap and water. Based on available data, only slightly irritating or not at all.

Eye Contact: Flush eyes with water, lifting eyelids. Remove contact lenses, if present. Seek medical attention if needed. Not expected to pose health issues for the eye.

Section 5: Fire Fighting Measures

Product may ignite if exposed to heat or open flame.

Hazardous Combustion Products: Carbon monoxide, Carbon dioxide and Acrolein can be released during combustion.

Suitable extinguishing media: Class B fire extinguisher (Carbon dioxide, Dry chemical or Alcohol-resistant foam).

Application of water to burning material may 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. Prevent further leakage or release if safe to do so. 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

Do not breathe vapors or spray mist. Keep containers dry and tightly closed to avoid moisture absorption and contamination. Store in cool, dry, ventilated area (50F – 95F). Protect against physical damage. Separate from incompatibles (strong oxidizers, acids, bases).

Section 8: Exposure Control/Personal Protection

Occupational exposure limits established for this material:

Glycerin: OSHA PEL: 15 mg/m³ total particulate TWA, 5 mg/m³ Mist
ACGIH TLV: 10 mg/m³ Mist

Glycidol: OSHA PEL: 50 ppm TWA (150 mg/m³ TWA)
ACGIH TLV: 2 ppm TWA
NIOSH: 150 ppm IDLH, 25 ppm TWA, (75 mg/m³ TWA)

Respiratory Protection: In case of mist, spray or aerosol exposure, wear suitable respiratory protection. 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: If exposed to airborne mist or if splashing is possible, appropriate safety glasses with side-shields or chemical goggles are recommended.

Other: Wear long sleeve clothing. Contact lenses should not be worn when working with this material.

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

Flashpoint (Method): 350 F (Closed cup)

Flammable Limits: LEL: Unknown UEL: Unknown

Auto-ignition Temperature: 393 C (739 F)

Appearance: Yellow liquid, odorless.

Evaporation rate: Less than 1

Specific Gravity: 1.249

Solubility in Water: Soluble

Section 10: Stability and Reactivity

Stability: Stable under normal conditions

Conditions to Avoid: Avoid extended heating or overheating; direct sunlight.

Incompatibility (Materials to avoid): Strong oxidizers, acids and bases.

Hazardous Decomposition or Byproducts: Thermal decomposition can cause release of gases and vapors including Carbon monoxide (CO), Carbon dioxide (CO₂) and Acrolein.

Hazardous Polymerization: No

Section 11: Toxicological Information

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

Carcinogenicity: No OSHA Regulated: No

Eyes: Contact may cause irritation; not expected to pose health issues for the eyes.

Skin: Based on available data, only slightly irritating or not at all.

Inhalation: Excessive inhalation of mist may result in respiratory irritation. See Section 8 for respiratory exposure limits.

Ingestion: Not for human consumption. May be harmful if swallowed.

Section 12: Ecological Information (Non-mandatory)

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.

[August 2015 Revision]