

Safety Data Sheet (SDS)

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Glycerin

Signal Word
WARNING

Flinn Scientific, Inc. P.O. Box 219, Batavia, IL 60510 (800) 452-1261

Chemtrec Emergency Phone Number: (800) 424-9829

Pictograms

SECTION 2 — HAZARDS IDENTIFICATION

Hazard class: Skin and serious eye damage, corrosion or irritation (Category 2, 2B). Causes skin and eye irritation (H315+H320).



Product should be treated as a chemical and is not for consumption as it has been stored with other nonfood-grade chemicals.

SECTION 3 — COMPOSITION, INFORMATION ON INGREDIENTS

| Component Name | CAS Number | Formula | Formula Weight | Concentration |
|---|------------|---|----------------|---------------|
| Glycerin | 56-81-5 | C ₃ H ₅ (OH) ₃ | 92.094 | |
| Synonyms: Glycerol; Glycerine; 1,2,3-Propanetriol | | | | |

SECTION 4 — FIRST AID MEASURES

Call a POISON CENTER or physician if you feel unwell.

If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing (P305+P351+P338). **If eye irritation persists eyes:** Get medical advice or attention (P337+P313).

If on skin: Wash with plenty of water (P302+P352). **If skin irritation occurs:** Get medical advice or attention (P332+P313).

If swallowed: Rinse mouth. Call a POISON CENTER or physician if you feel unwell.

SECTION 5 — FIRE FIGHTING MEASURES

Class IIIB combustible liquid.

Flash point: 177 °C (open cup) Autoignition Temperature: 393 °C

NFPA Code
H-1

When heated to decomposition, may emit toxic fumes.
In case of fire: Use a tri-class dry chemical fire extinguisher.

F-1
R-0

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Contain the spill with sand or absorbent material and deposit in a sealed bag or container. See Sections 8 and 13 for further information.

SECTION 7 — HANDLING AND STORAGE

Flinn Suggested Chemical Storage Pattern: Organic #2. Store with alcohols, glycols, amines and amides.
Store in a cool, dry place.

SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION

Wear protective gloves, protective clothing, and eye protection (P280). Wash hands thoroughly after handling (P264).
Exposure guidelines: PEL 15 mg/m³ (as total mist) (OSHA)

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

| | |
|--|-------------------------------|
| Clear, colorless viscous liquid. Odorless. | Boiling point: 290 °C |
| Soluble: Water and alcohol | Melting point: 18 °C |
| | Refractive index: 1.4746 |
| | Specific gravity: 1.23 - 1.26 |

SECTION 10 — STABILITY AND REACTIVITY

Avoid contact with strong oxidizing agents such as chromium trioxide, potassium chlorate, or potassium permanganate; may produce an explosion.
Shelf life: Indefinite, if stored properly.

SECTION 11 — TOXICOLOGICAL INFORMATION

| | |
|---|---|
| Acute effects: Eye and skin irritant, nausea, headache, vomiting. | ORL-RAT LD ₅₀ : 12,600 mg/kg |
| Chronic effects: N.A. | IHL-RAT LC ₅₀ : N.A. |
| Target organs: Eyes, skin, and GI tract. | SKN-RBT LD ₅₀ : N.A. |

SECTION 12 — ECOLOGICAL INFORMATION

Data not yet available.

SECTION 13 — DISPOSAL CONSIDERATIONS

Please review all federal, state and local regulations that may apply before proceeding.
Flinn Suggested Disposal Method #26b is one option.

SECTION 14 — TRANSPORT INFORMATION

Shipping name: Not regulated. Hazard class: N/A. UN number: N/A.

SECTION 15 — REGULATORY INFORMATION

TSCA-listed, EINECS-listed (200-289-5).

SECTION 16 — OTHER INFORMATION

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N.A. = Not available, not all health aspects of this substance have been fully investigated.

N/A = Not applicable

Consult your copy of the Flinn Science Catalog/Reference Manual for additional information about laboratory chemicals.

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