

FLINN SCIENTIFIC, INC.

Material Safety Data Sheet (MSDS)

BOVA SUPPLY CENTER
02-15532

MSDS #: 373.00

Revision Date: March 8, 2001

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Glycerin

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

CHEMTREC Emergency Phone Number: (800) 424-9300

SECTION 2 — COMPOSITION, INFORMATION ON INGREDIENTS

Glycerin

Synonym: glycerol

CAS#: 56-81-5

SECTION 3 — HAZARDS IDENTIFICATION

Clear, colorless, odorless, viscous liquid.
May cause slight eye irritation. Avoid all body tissue contact,
possible allergen.
Combustible liquid.

FLINN AT-A-GLANCE

Health-0

Flammability-1

Reactivity-2

Exposure-1

Storage-0

0 is low hazard, 3 is high hazard

SECTION 4 — FIRST AID MEASURES

Call a physician, seek medical attention for further treatment, observation and support after first aid.
Inhalation: Remove to fresh air at once. If breathing has stopped give artificial respiration immediately.
Eye: Immediately flush with fresh water for 15 minutes.
External: Wash continuously with fresh water for 15 minutes.
Internal: Induce vomiting. Call a physician or poison control at once.

SECTION 5 — FIRE FIGHTING MEASURES

Class IIIB combustible liquid.
Flash point: 390 F Autoignition Temperature: 698 F
When heated to decomposition, it emits toxic fumes of acrolein.
Fire Fighting Instructions: Use triclass, dry chemical fire extinguisher. Firefighters should wear
PPE and SCBA with full facepiece operated in positive pressure mode.

NFPA CODE

H-1

F-1

R-0

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Restrict unprotected personnel from area and ventilate area. Contain spill with sand or absorbent material; deposit in 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

Avoid contact with eyes, skin and clothing. Wear chemical splash goggles, chemical-resistant gloves and chemical-resistant apron. Use ventilation to keep airborne concentrations below exposure limits. Always wear a NIOSH-approved respirator with proper cartridges or a positive pressure, air-supplied respirator when handling this material in emergency situations (spill or fire).
Exposure guidelines: TWA 10 mg/m³ (ACGIH)

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Clear, colorless, odorless, viscous liquid.
Solubility: Soluble in water and alcohol.
Formula: C₃H₅(OH)₃
Formula Weight: 92.10

Specific Gravity: 1.23-1.26
Melting Point: 18 C
Boiling Point: 290 C

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.

SECTION 11 — TOXICOLOGICAL INFORMATION

Acute effects: Eye irritant, nausea, headache, vomiting
Chronic effects: N.A.
Target organs: N.A.

ORL-RAT LD50: 12600 mg/kg
IHL-RAT LC50: N.A.
SKN-RBT LD50: N.A.

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

SECTION 12 — ECOLOGICAL INFORMATION

Data not yet available.

SECTION 13 — DISPOSAL CONSIDERATIONS

Please consult with state and local regulations.
Flinn Suggested Disposal Method #26b is one option.

SECTION 14 — TRANSPORT INFORMATION

Shipping Name: Not regulated
Hazard Class: N/A
UN Number: N/A

N/A = Not applicable

SECTION 15 — REGULATORY INFORMATION

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

SECTION 16 — OTHER INFORMATION

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