

FLINN SCIENTIFIC, INC.

Material Safety Data Sheet (MSDS)

MSDS #: 135.00

Revision Date: November 23, 2011

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Bromcresol Green Indicator Solution

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

Bromcresol green (62625-32-5) 0.1% or less and Ethyl alcohol (64-17-5) 99.9%.

Synonym: bromocresol green indicator solution

CAS#: None established

SECTION 3 — HAZARDS IDENTIFICATION

Green alcohol solution. Strong ethyl alcohol odor.

Contains ethyl alcohol. Toxic if ingested. Toxic by ingestion and inhalation.

Flammable liquid. Serious fire risk.

FLINN AT-A-GLANCE

Health-3

Flammability-3

Reactivity-1

Exposure-1

Storage-3

0 is low hazard, 3 is high hazard

SECTION 4 — FIRST AID MEASURES

Call a physician and 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 or External: Immediately flush with fresh water for at least 15 minutes.

Internal: Induce vomiting. Call a physician or poison control at once.

SECTION 5 — FIRE FIGHTING MEASURES

Class IB flammable liquid due to ethyl alcohol content.

Flash point: 9 °C Flammable limits: Lower: 3.3% Upper: 24.5% Autoignition Temperature: 362 °C

Fire Fighting Instructions: Use a triclass, dry chemical fire extinguisher. Firefighters should wear PPE and SCBA with full facepiece operated in positive pressure mode.

NFPA CODE

H-2

F-3

R-0

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Restrict unprotected personnel from the area. Remove all ignition sources and ventilate area. Contain the spill with sand or other inert 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 #9. Store with dyes, indicators, and stains.

Store in a dedicated flammables cabinet. If a flammables cabinet is not available, store in Flinn Saf-Stor Can.

Use and dispense in a hood.

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 exhaust ventilation to keep airborne concentrations low.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

A green colored solution with strong alcohol odor.
Solubility: Soluble in water and alcohol.

Boiling point: 78 °C (ethyl alcohol)

Used as a biological stain and acid-base indicator.
pH 3.8 yellow to 5.4 blue.

SECTION 10 — STABILITY AND REACTIVITY

Flammable liquid. Avoid sources of ignition and heat.
Shelf life: Indefinite, if stored properly.

SECTION 11 — TOXICOLOGICAL INFORMATION

Acute effects: Ethyl alcohol is a poison.
Chronic effects: N.A.
Target organs: N.A.

ORL-RAT LD₅₀: 7060 mg/kg (ethyl alcohol)
IHL-RAT LC₅₀: 20000 ppm/10H (ethyl alcohol)
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 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: Ethyl alcohol solution
Hazard class: 3, Flammable liquid
UN number: UN1170
N/A = Not applicable

SECTION 15 — REGULATORY INFORMATION

Not listed.

SECTION 16 — OTHER INFORMATION

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