

# FLINN SCIENTIFIC INC.

"Your Safer Source for Science Supplies"

## Material Safety Data Sheet (MSDS)

MSDS #: 483.00

Revision Date: November 25, 2002

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### Section 1 — Chemical Product and Company Identification

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#### Malachite Green Solution

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

CHEMTREC Emergency Phone Number: (800) 424-9300

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### Section 2 — Composition, Information on Ingredients

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Malachite Green (2437-29-8) 1%, and Ethyl Alcohol (64-17-5) 99%.

CAS#: None Established

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### Section 3 — Hazards Identification

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Green solution. Alcohol odor.

Contains ethyl alcohol; addition of denaturant makes the product poisonous. Avoid ingestion, inhalation and skin absorption.

Flammable liquid.

#### FLINN AT-A-GLANCE

Health-3

Flammability-3

Reactivity-1

Exposure-1

Storage-3

0 is low hazard, 3 is high hazard

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### Section 4 — First Aid Measures

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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: Rinse out mouth, give 1 to 2 cups of water or milk, induce vomiting. Call a physician or poison control at once.

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### Section 5 — Fire Fighting Measures

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Flammable liquid.

Contains ethyl alcohol, highly flammable liquid.

**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

None Established

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### Section 6 — Accidental Release Measures

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Restrict unprotected personnel from area. Remove all ignition sources and ventilate area. Contain spill with sand and absorbent material; deposit in sealed bag or container. See Sections 8 and 13 for further information.

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### Section 7 — Handling and Storage

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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.

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### Section 8 — Exposure Controls, Personal Protection

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Avoid contact with eyes, skin and clothing. Wear chemical splash goggles, chemical-resistant gloves and chemical-resistant apron.

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### Section 9 — Physical and Chemical Properties

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Green solution. Alcohol odor.  
Malachite green oxalate in an alcohol solution.

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### Section 10 — Stability and Reactivity

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Avoid contact with heat, open flame or any source of ignition.  
Shelf Life: Good, if stored safely.

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### Section 11 — Toxicological Information

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Acute effects: Nausea, dizziness, headache  
Chronic effects: N.A.  
Target organs: Eyes, liver, kidney, nerves

ORL-RAT LD50: 245 mg/kg as malachite green  
IHL-RAT LC50: 20000 ppm/10H as ethyl alcohol  
SKN-RBT LD50: N.A.

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

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### Section 12 — Ecological Information

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Data not yet available.

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### Section 13 — Disposal Considerations

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

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### Section 14 — Transport Information

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Shipping Name: Ethyl Alcohol  
Hazard Class: 3, Flammable liquid  
UN Number: UN1170

N/A = Not applicable

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### Section 15 — Regulatory Information

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Not listed.

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### Section 16 — Other Information

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Consult your copy of the Flinn Scientific Catalog/Reference Manual for additional information about laboratory chemicals. This Material Safety Data Sheet (MSDS) is for guidance and is based upon information and tests believed to be reliable. Flinn Scientific Inc. makes no guarantee of the accuracy or completeness of the data and shall not be liable for any damages relating thereto. The data is offered solely for your consideration, investigation, and verification. Flinn Scientific Inc. assumes no legal responsibility for use or reliance upon this data.

**FLINN SCIENTIFIC INC.**

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