

**FLINN SCIENTIFIC, INC.**  
**Material Safety Data Sheet (MSDS)**

MSDS #: 475.20

Revision Date: July 16, 2010

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**SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

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**Magnesium Iodide 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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Magnesium iodide (10388-58-9) 3%, and water (7732-18-5) 97%.

CAS#: None established

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**SECTION 3 — HAZARDS IDENTIFICATION**

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Colorless, odorless solution.  
Irritating to body tissues. Mildly toxic by ingestion.

**FLINN AT-A-GLANCE**

Health-1  
Flammability-0  
Reactivity-0  
Exposure-1  
Storage-0

0 is low hazard, 3 is high hazard

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**SECTION 4 — FIRST AID MEASURES**

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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: Immediately flush with fresh water for at least 15 minutes.  
External: Wash continuously with fresh water for at least 15 minutes.  
Internal: Give large quantities of water. Call a physician or poison control at once.

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**SECTION 5 — FIRE FIGHTING MEASURES**

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Nonflammable, noncombustible liquid.

**NFPA CODE**  
None  
established

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**SECTION 6 — ACCIDENTAL RELEASE MEASURES**

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Restrict unprotected personnel from the area and ventilate area. Contain the spill with sand or absorbent material and deposit in a 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: Inorganic #2. Store with acetates, halides, sulfates, sulfites, thiosulfates, and phosphates.

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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 a chemical-resistant apron.

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**SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES**

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A solution of magnesium iodide and water.  
Concentration: 0.1 molar.

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**SECTION 10 — STABILITY AND REACTIVITY**

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Shelf life: Good.

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**SECTION 11 — TOXICOLOGICAL INFORMATION**

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Acute effects: Irritant.  
Chronic effects: N.A.  
Target organs: N.A.

ORL-RAT LD<sub>50</sub>: N.A.  
IHL-RAT LC<sub>50</sub>: N.A.  
SKN-RBT LD<sub>50</sub>: 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: Not regulated  
Hazard Class: N/A  
UN Number: N/A  
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 Science Catalog/Reference Manual*  
for additional information about laboratory chemicals.**