

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

MSDS #: 350.50

Revision Date: December 7, 2011

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

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**Firefly Lantern Extract - discontinued**

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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Firefly lanterns (no CAS #) 43%, Arsenic acid potassium (7784-41-0) 47%, and Magnesium sulfate anhydrous (7487-88-9) 10%.

CAS#: None established

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**SECTION 3 — HAZARDS IDENTIFICATION**

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Off-white powder. Odorless.

Highly toxic by ingestion, inhalation, and skin absorption. Body tissue irritant. Avoid all body tissue contact. Contains arsenic a known human carcinogen (IARC-1).

**FLINN AT-A-GLANCE**

Health-3

Flammability-0

Reactivity-0

Exposure-3

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 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: Rinse mouth. Give large quantities of water for dilution. Call a physician or poison control at once.

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**SECTION 5 — FIRE FIGHTING MEASURES**

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Nonflammable solid.

**NFPA CODE**

None  
established

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**SECTION 6 — ACCIDENTAL RELEASE MEASURES**

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Restrict unprotected personnel from the area. Sweep up the spill, place in a sealed bag or container, and dispose. Ventilate area and wash spill site after material pickup is complete. 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 Miscellaneous. Store in the freezer. Must be kept at 4 °C or colder.

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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. 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: PEL 0.2 mg/m<sup>3</sup> (as As) (OSHA)

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**SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES**

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Off-white, odorless powder.  
Solubility: Soluble in water.

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**SECTION 10 — STABILITY AND REACTIVITY**

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Not stable at room temperature. Must be kept at 4 °C or colder. Store in freezer.  
Shelf life: Very poor.

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**SECTION 11 — TOXICOLOGICAL INFORMATION**

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Acute effects: Skin irritation, gastrointestinal disturbances.	ORL-RAT LD <sub>50</sub> : N.A.
Chronic effects: Neurotoxic effects.	IHL-RAT LC <sub>50</sub> : N.A.
Target organs: Skin, lungs.	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 review all federal, state and local regulations that may apply, before proceeding.  
Flinn Suggested Disposal Method #27d 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.**