

# FLINN SCIENTIFIC, INC.

## Material Safety Data Sheet (MSDS)

MSDS #: 403.00

Revision Date: April 8, 2009

### SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

#### Indole-3-acetic Acid

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

Indole-3-acetic Acid

Synonyms: Heteroauxin; 3-indolylacetic acid

CAS#: 87-51-4

### SECTION 3 — HAZARDS IDENTIFICATION

Off-white to tan crystalline powder. Odorless.

May be irritating to skin and eyes. Slightly hazardous by ingestion or inhalation. The toxicological properties of this substance have not been fully investigated.

#### FLINN AT-A-GLANCE

Health-1

Flammability-0

Reactivity-0

Exposure-0

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: Give large quantities of water. Call a physician or poison control at once.

### SECTION 5 — FIRE FIGHTING MEASURES

Non flammable solid.

When heated to decomposition, emits toxic fumes of NOx.

**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

### SECTION 6 — ACCIDENTAL RELEASE MEASURES

Restrict unprotected personnel from area. Sweep up, place in 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.

### SECTION 7 — HANDLING AND STORAGE

Flinn Suggested Chemical Storage Pattern: Organic #1. Store with acids, anhydrides and peracids.

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.

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**SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES**

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Off-white to tan crystalline powder.

Melting Point: 168-170 C

Solubility: Soluble in alcohol, ether, or acetone; insoluble in water.

Formula: C<sub>10</sub>H<sub>9</sub>NO<sub>2</sub>

Formula Weight: 175.2

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**SECTION 10 — STABILITY AND REACTIVITY**

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Avoid contact with strong oxidizers. Compound is light-sensitive. Store in a dark bottle away from light and heat.

Shelf Life: Indefinite.

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**SECTION 11 — TOXICOLOGICAL INFORMATION**

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Acute effects: N.A.

Target organs: N.A.

ORL-RAT LD50: &gt;500 mg/kg

Chronic effects: Based on animal data, may affect genetic material or cause adverse reproductive effects. No human data.

IHL-RAT LC50: N.A.

Not listed by ACGIH, NTP, IARC, or CA Prop 65.

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 #24a 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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TSCA-listed, EINECS-listed (201-748-2).

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**SECTION 16 — OTHER INFORMATION**

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