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

MSDS #: 532.00
Revision Date: December 19, 2011

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Naphthalene 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

Naphthalene acetic acid
Synonym: Napthylacetic acid; NAA
CAS#: 86-87-3

SECTION 3 — HAZARDS IDENTIFICATION

White, crystals. Odor of a mixture of moth balls and vinegar.
Moderately toxic by ingestion, inhalation, and skin absorption.
Corrosive to body tissues. Avoid all body tissue contact.

FLINN AT-A-GLANCE
Health-2
Flammability-1
Reactivity-0
Exposure-2
Storage-0
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: Rinse mouth. Give large quantities of water for dilution. Call a physician or poison control at once.

SECTION 5 — FIRE FIGHTING MEASURES

Combustible solid.
When heated to decomposition, emits acrid smoke and irritating fumes.
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
None established

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Restrict unprotected personnel from the area. Remove all ignition sources and water. 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.

SECTION 7 — HANDLING AND STORAGE

Flinn Suggested Chemical Storage Pattern: Organic #1. Store with acids, anhydrides, and peracids.
Store in a cool, dry place. 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 a chemical-resistant apron. Use exhaust ventilation to keep airborne concentrations low.

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SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

White crystals. Odor of a mixture of moth balls and vinegar.
Solubility: Soluble in acetone, ether, and chloroform. Slightly soluble in alcohol and water.
Formula: $C_{10}H_7CH_2CO_2H$
Formula weight: 186.22

Melting point: 132-135 °C (decomposes)
Used as a plant growth hormone (auxin) typically in concentrations of 0.1 - 10 mg/L.

SECTION 10 — STABILITY AND REACTIVITY

Avoid contact with strong oxidizers and strong bases.
Shelf life: Indefinite, if stored properly.

SECTION 11 — TOXICOLOGICAL INFORMATION

Acute effects: Corrosive, GI disturbances
Chronic effects: N.A.
Target organs: Central nervous system

ORL-RAT LD_{50}:1000 mg/kg
IHL-RAT LC_{50}: N.A.
SKN-RBT LD_{50}: >5 g/kg

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 #24a is one option.

SECTION 14 — TRANSPORT INFORMATION

Shipping name: Not regulated
Hazard class: N/A
UN number: N/A
N/A = Not applicable

SECTION 15 — REGULATORY INFORMATION

TSCA-listed, EINECS-listed (201-705-8).

SECTION 16 — OTHER INFORMATION

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

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