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

MSDS #: 261.00
Revision Date: May 16, 2012

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Colchicine

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

Colchicine

CAS#: 64-86-8

SECTION 3 — HAZARDS IDENTIFICATION

White to off-white powder. Odorless.
Highly toxic. As little as 2/100 gram can be fatal. Severe eye irritant. A human poison by ingestion.

FLINN AT-A-GLANCE
Health-3
Flammability-0
Reactivity-0
Exposure-3
Storage-3
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.
May be asymptomatic up to 24 hours after exposure.

SECTION 5 — FIRE FIGHTING MEASURES

Nonflammable solid.
When heated to decomposition, emits toxic fumes of NO_x.
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. Avoid creating a dust. Wipe 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 #8. Store with phenols and cresols.
Store inside a Flinn Chem-Saf bag and then inside a Flinn Saf-Stor can, and then securely locked up in a cabinet dedicated to poison storage. Light sensitive. 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 a chemical-resistant apron. Use exhaust ventilation to keep airborne concentrations low.

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SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

White to off-white powder. Odorless.
Solubility: Soluble in water and alcohol.
Formula: $C_{22}N_{25}NO_6$
Formula weight: 399.48

Melting point: 156 °C

Used to inhibit mitosis in plant meristems at concentrations of <0.05%.

SECTION 10 — STABILITY AND REACTIVITY

Avoid contact with strong oxidizers. May decompose on exposure to light.
Shelf life: Indefinite, if stored properly. Store away from light.

SECTION 11 — TOXICOLOGICAL INFORMATION

Acute effects: Poison, irritant, stomach pains, vomiting, and diarrhea.
Chronic effects: Possible teratogen and mutagen
Target organs: Liver, kidneys, bone marrow, cardiovascular system, and nerves. Multiple organ failure. Mitotic inhibitor.
May be asymptomatic up to 24 hours after exposure.

ORL-MUS LD_{50}: 6 mg/kg
IHL-RAT LC_{50}: N.A.
SKN-RBT LD_{50}: N.A.

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 #18b is one option.

SECTION 14 — TRANSPORT INFORMATION

Shipping name: Toxic Solids, Organic, N.O.S.
Hazard class: 6.1, Poison
UN number: UN2811
N/A = Not applicable

SECTION 15 — REGULATORY INFORMATION

TSCA-listed, EINECS-listed (200-598-5).

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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