

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.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

White to off-white powder. Odorless.

Melting point: 156 °C

Solubility: Soluble in water and alcohol.

Formula: C₂₂N₂₅NO₆

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

Formula weight: 399.48

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. ORL-MUS LD₅₀: 6 mg/kg

Chronic effects: Possible teratogen and mutagen

IHL-RAT LC₅₀: N.A.Target organs: Liver, kidneys, bone marrow, cardiovascular system, SKN-RBT LD₅₀: N.A.

and nerves. Multiple organ failure. Mitotic inhibitor.

May be asymptomatic up to 24 hours after exposure.

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.**