

# Material Safety Data Sheet

## Colchicine 97%

ACC# 10844

### Section 1 - Chemical Product and Company Identification

**MSDS Name:** Colchicine 97%

**Catalog Numbers:** AC227120000, AC227120010, AC227125000

**Synonyms:**

**Company Identification:**

Acros Organics N.V.

One Reagent Lane

Fair Lawn, NJ 07410

**For information in North America, call:** 800-ACROS-01

**For emergencies in the US, call CHEMTREC:** 800-424-9300

### Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name	Percent	EINECS/ELINCS
64-86-8	COLCHICINE	97.0	200-598-5

### Section 3 - Hazards Identification

#### EMERGENCY OVERVIEW

Appearance: beige solid.

**Caution!** Causes eye irritation. Causes respiratory tract irritation. Causes skin irritation. May cause digestive tract irritation. May cause blood abnormalities. May cause kidney damage. Light sensitive. May cause reproductive and fetal effects.

**Target Organs:** Kidneys, blood forming organs, bone marrow.

#### Potential Health Effects

**Eye:** Causes eye irritation.

**Skin:** Causes skin irritation.

**Ingestion:** May cause gastrointestinal irritation with nausea, vomiting and diarrhea. May cause kidney damage. May cause systemic toxicity with acidosis. Exposure may cause anemia and other blood abnormalities. May produce aplastic anemia, blood pressure depression, body temperature decrease, changes in kidney tubules, dyspnea, flaccid paralysis without anesthesia, gastrointestinal effects, kidney damage and hemorrhaging, muscle contraction or spasticity, muscle weakness, nausea, vomiting, respiratory stimulation and somnolence. Prolonged ingestion may produce bone marrow depression with agranulocytosis, thrombocytopenia, leukopenia and aplastic anemia may occur with prolonged administration. Lab findings in overdoses have indicated metabolic acidosis, hyponatremia, hypokalemia, bone marrow hypoplasia, thrombocytopenia, granulocytopenia, coagulopathy, and less commonly hemolytic anemia.

**Inhalation:** Causes respiratory tract irritation.

**Chronic:** May cause bone marrow abnormalities with damage to blood forming tissues.

### Section 4 - First Aid Measures

**Eyes:** Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.

**Skin:** Get medical aid if irritation develops or persists. Flush skin with plenty of soap and water.

**Ingestion:** If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid immediately.

**Inhalation:** Remove from exposure and move to fresh air immediately. Get medical aid if cough or other symptoms appear.

**Notes to Physician:** Treat symptomatically and supportively.

### Section 5 - Fire Fighting Measures

**General Information:** As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

**Extinguishing Media:** Use water spray, dry chemical, carbon dioxide, or chemical foam.

**Flash Point:** Not available.

**Autoignition Temperature:** Not available.

**Explosion Limits, Lower:** Not available.

**Upper:** Not available.

**NFPA Rating:** Not published.

### Section 6 - Accidental Release Measures

**General Information:** Use proper personal protective equipment as indicated in Section 8.

**Spills/Leaks:** Sweep up or absorb material, then place into a suitable clean, dry, closed container for disposal. Avoid generating dusty conditions.

## Section 7 - Handling and Storage

**Handling:** Wash thoroughly after handling. Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation.

**Storage:** Do not store in direct sunlight. Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances. Store below 40°C.

## Section 8 - Exposure Controls, Personal Protection

**Engineering Controls:** Use adequate ventilation to keep airborne concentrations low.

### Exposure Limits

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
COLCHICINE	none listed	none listed	none listed

**OSHA Vacated PELs:** COLCHICINE: No OSHA Vacated PELs are listed for this chemical.

### Personal Protective Equipment

**Eyes:** Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

**Skin:** Wear appropriate protective gloves to prevent skin exposure.

**Clothing:** Wear appropriate protective clothing to prevent skin exposure.

**Respirators:** Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

## Section 9 - Physical and Chemical Properties

**Physical State:** Solid

**Appearance:** beige

**Odor:** Odorless

**pH:** 5.9(0.5% solution)

**Vapor Pressure:** Not available.

**Vapor Density:** Not available.

**Evaporation Rate:**Not available.

**Viscosity:** Not available.

**Boiling Point:** Not available.

**Freezing/Melting Point:**142- 150C

**Decomposition Temperature:**Not available.

**Solubility:** soluble in water

**Specific Gravity/Density:**Not available.

**Molecular Formula:**C22H25NO6

**Molecular Weight:**399.44

## Section 10 - Stability and Reactivity

**Chemical Stability:** Stable.

**Conditions to Avoid:** Incompatible materials, light.

**Incompatibilities with Other Materials:** Strong oxidizing agents.

**Hazardous Decomposition Products:** Nitrogen oxides, carbon monoxide, carbon dioxide.

**Hazardous Polymerization:** Has not been reported.

## Section 11 - Toxicological Information

### RTECS#:

**CAS#** 64-86-8: GH0700000

### LD50/LC50:

**CAS#** 64-86-8:

Draize test, rabbit, eye: 1%/3D Severe;

Oral, mouse: LD50 = 5886 ug/kg;

### Carcinogenicity:

**CAS#** 64-86-8: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

**Epidemiology:** No data available.

**Teratogenicity:** For more information see Rtecs and 'The Dictionary of Substances and their Effects, 1992'

**Reproductive Effects:** See Rtecs and 'The Dictionary of Substances and their Effects'

**Mutagenicity:** See Rtecs and 'The Dictionary of Substances and their Effects'

**Neurotoxicity:** No data available.

**Other Studies:**

## Section 12 - Ecological Information

No information available.

## Section 13 - Disposal Considerations

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

**RCRA P-Series:** None listed.

**RCRA U-Series:** None listed.

## Section 14 - Transport Information

	US DOT	Canada TDG
<b>Shipping Name:</b>	DOT regulated - small quantity provisions apply (see 49CFR173.4)	TOXIC SOLID ORGANIC NOS (COLCHICINE)
<b>Hazard Class:</b>		6.1
<b>UN Number:</b>		UN2811
<b>Packing Group:</b>		II

## Section 15 - Regulatory Information

### US FEDERAL

#### TSCA

CAS# 64-86-8 is listed on the TSCA inventory.

#### Health & Safety Reporting List

None of the chemicals are on the Health & Safety Reporting List.

#### Chemical Test Rules

None of the chemicals in this product are under a Chemical Test Rule.

#### Section 12b

None of the chemicals are listed under TSCA Section 12b.

#### TSCA Significant New Use Rule

None of the chemicals in this material have a SNUR under TSCA.

#### CERCLA Hazardous Substances and corresponding RQs

None of the chemicals in this material have an RQ.

#### SARA Section 302 Extremely Hazardous Substances

CAS# 64-86-8: 10 lb TPQ (lower threshold); 10000 lb TPQ (upper threshold)

#### SARA Codes

CAS # 64-86-8: immediate, delayed.

#### Section 313

No chemicals are reportable under Section 313.

#### Clean Air Act:

This material does not contain any hazardous air pollutants.

This material does not contain any Class 1 Ozone depleters.

This material does not contain any Class 2 Ozone depleters.

#### Clean Water Act:

None of the chemicals in this product are listed as Hazardous Substances under the CWA.

None of the chemicals in this product are listed as Priority Pollutants under the CWA.

None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

#### OSHA:

None of the chemicals in this product are considered highly hazardous by OSHA.

#### STATE

CAS# 64-86-8 can be found on the following state right to know lists: New Jersey, Pennsylvania, Massachusetts.

### California Prop 65

#### The following statement(s) is(are) made in order to comply with the California Safe Drinking Water Act:

WARNING: This product contains COLCHICINE, a chemical known to the state of California to cause male reproductive toxicity.

California No Significant Risk Level: None of the chemicals in this product are listed.

### European/International Regulations

#### European Labeling in Accordance with EC Directives

#### Hazard Symbols:

T+

#### Risk Phrases:

R 26/28 Very toxic by inhalation and if swallowed.

#### Safety Phrases:

S 1 Keep locked up.

S 13 Keep away from food, drink and animal feeding stuffs.

S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

### WGK (Water Danger/Protection)

CAS# 64-86-8: 3

### Canada - DSL/NDSL

CAS# 64-86-8 is listed on Canada's DSL List.

### Canada - WHMIS

not available.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.

**Canadian Ingredient Disclosure List**

Section 16 - Additional Information
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**MSDS Creation Date:** 9/02/1997

**Revision #4 Date:** 10/03/2005

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