

SAFETY DATA SHEET

1. CHEMICAL IDENTIFICATION AND COMPANY INFORMATION

PRODUCT NAME: Colchicine Solution (2.5 mg/mL)
PRODUCT NUMBER: C2026
COMPANY INFO: PhytoTech Labs Inc.
14610 W 106th St. Lenexa, KS 66215
Phone: 1-888-749-8682 or 1-913-341-5343; Fax: 1-888-449-8682 or 1-913-341-5442
www.phytotechlab.com
EMERGENCY PHONE NUMBER: 1-800-535-5053 - US Only
(INFOTRAC): 1-352-323-3500 - International
RECOMMENDED USE: For Research Use Only

RESTRICTIONS ON USE: Products sold by PhytoTech Labs Inc. are intended for research and laboratory use only.
Products are not to be used as human or animal therapeutics, cosmetics, agricultural or pesticidal products, food additives, or as household chemicals.

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture:

GHS Classification:

H302 – Acute toxicity, Oral (Category 2)
H318 – Serious eye damage (Category 1)
H340 – Germ mutagenicity (Category 1B)

GHS Label elements, including hazard and precautionary statements:

Pictogram:



Signal Word: **Danger**

Hazard Statements:

H300 – Fatal if swallowed.
H318 – Causes serious eye damage.
H340 – May cause genetic defects.

Precautionary Statements:

P202 – Do not handle until all safety precautions have been read and understood.
P280 – Wear protective gloves/protective clothing/eye protection/face protection.
P264 – Wash skin thoroughly after handling
P301 + P310 + P330 – IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician. Rinse mouth.
P305 + P351 + P338 + P310 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/ physician.
P308 + P313 – IF exposed or concerned: Get medical advice/ attention.

Hazards not otherwise classified (HNOC) or not covered by GHS: - none

3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms: N-[(7S)-5,6,7,9-Tetrahydro-1,2,3,10-tetramethoxy-9-oxobenzo[a]heptalen-7-yl]acetamide
CAS No.: 64-86-8
Formula: C₂₂H₂₅NO₆

Molecular Weight: 399.44 g/mol

EC No.: 200-598-5

Ingredient	CAS Number	Percent	Hazardous
Colchicine	64-86-8	0.25%	No exposure limits established by OSHA or ACGIH
Water	7732-18-5	99.75%	No exposure limits established by OSHA or ACGIH

4. FIRST AID MEASURES

General Advice: Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

Route of Entry	Symptoms	First Aid Procedures
Ingestion	May cause irritation if swallowed	If swallowed, wash out mouth with water. Never give anything by mouth to an unconscious person. Get medical attention.
Inhalation	May cause irritation to respiratory tract	Safely remove victim to fresh air. If not breathing, institute cardiopulmonary resuscitation (CPR). If breathing is difficult, ensure clear airway and give oxygen. Get medical attention.
Eye Contact	Direct contact may cause irritation. May cause redness, tearing, or blurred vision.	Flush immediately with large amounts of water for at least 15 minutes. Eyelids should be held away from the eyeball to ensure thorough rinsing. Get medical attention if irritation persists.
Skin Contact	Irritating. May cause reddening, itching or inflammation.	Wash area thoroughly with soap and water. Remove and wash contaminated clothing. Get medical attention if irritation persists.

Most Important Symptoms or Effects, Both Acute and Delayed:

See section 2 and/or section 11

Recommendation for Immediate Medical Care and Special Treatment Needed:

No data available

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media:	Water spray, carbon dioxide, dry chemical powder, or appropriate foam. Use extinguishing media suitable for surrounding fire.
Special Protective Equipment and Precaution for Firefighters:	In the event of a fire, wear full protective clothing and NIOSH approved self-contained breathing apparatus. Evacuate the area and fight fire from a safe distance.
Hazardous Combustion Products:	No data available

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:

Use personal protection recommended in Section 8. Avoid breathing vapors, mist or gas. Ensure adequate ventilation, especially in confined areas. Evacuate personnel to safe areas.

Environmental Precautions:	Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.
Method of Containment and Cleanup:	Clean-up personnel should wear proper protective equipment and clothing. Contain spilled material and do not let product enter drains. Soak up with inert absorbent material and place in a suitable, closed container for disposal in accordance with all local, state/provincial, and national requirements. Ventilate the area if necessary.

7. HANDLING AND STORAGE

Precaution for Safe Handling:	Avoid contact with skin and eyes. Avoid incompatible substances. Wash thoroughly after use.
Conditions for Safe Storage:	Keep in a tightly closed container and store in a cool, dry, and well-ventilated area. Light sensitive.
Incompatibilities:	Strong oxidizing agent
Recommended Storage Temperature:	-20°C

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

OSHA's Permissible Exposure Limits (PELs): None

Threshold Limit Values (TLVs): None

Engineering Controls: Handle in accordance to general industrial hygiene and safety practice.

Personal Protective Equipment (PPE):

Eye/Face Protection:	Chemical safety glasses or goggles. Have eye-washing facilities readily available where eye contact can occur.
Skin Protection:	Use with gloves. Remove without touching glove's outer surface to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with Federal, State and Local laws. Wash and dry hands.
Body Protection:	Complete suit protecting against chemicals, Select according to the concentration and amount of the dangerous substance at the specific workplace.
Respiratory Protection:	Where risk assessment shows air-purifying respirators are appropriate use a fullface particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear, Colorless to Slight Yellow Tint	
pH:	No data available	
Solubility:	Miscible with Water	
Melting Point:	No data available	
Vapor Density:	No data available	
Vapor Pressure:	No data available	
Odor:	No data available	
Odor Threshold:	No data available	
Viscosity:	No data available	
Relative Density:	No data available	
Evaporation Rate:	No data available	
Initial Boiling Point and Boiling Range:	No data available	
Flammability (solid, gas):	No data available	
Partition coefficient: n-octanol/water):	No data available	
Auto-ignition Temperature:	No data available	
Decomposition Temperature:	No data available	
Flash Point (Closed Cup):	No data available	
Flammable Limits:	Upper (%) – No data available	Lower (%) – No data available

10. STABILITY AND REACTIVITY

Reactivity:	No data available
Chemical Stability:	Stable under normal conditions of use
Possibility of Hazard Reactions:	No data available
Conditions to Avoid:	No data available
Incompatibles Materials:	No data available
Hazardous Decomposition Products:	Carbon monoxide, carbon dioxide

11. TOXICOLOGICAL INFORMATION

Toxicity:	LD ₅₀ (Oral-Rat)(mg/Kg):	No data available
	LD ₅₀ (Oral-Mouse)(mg/Kg):	5.886
	LD ₅₀ (Dermal-Rabbit)(mg/Kg):	No data available
Carcinogenicity:	NTP:	No
	IARC:	No
	OSHA Reg:	No
Germ cell mutagenicity:	May cause genetic defects.	
Reproductive Toxicity:	Some evidence of adverse effects on sexual function and fertility, based on animal experiments	
Specific Target Organ Toxicity:	Single Exposure:	No data available
	Repeated Exposure:	No data available
Target Organs:	Stomach	
Medical Conditions Aggravated By Exposure:	None identified	
Routes of Entry:	Inhalation, Ingestion	
NIOSH/RTECS NO:	GH0700000	

The toxicological properties of this product have not been thoroughly investigated

12. ECOLOGICAL INFORMATION

Ecotoxicity:	No data available
Persistence and Degradability:	No data available
Bioaccumulative Potential:	No data available
Mobility in Soil:	No data available
Other Adverse Effects:	No data available

13. DISPOSAL CONSIDERATION

Disposal Procedure:	Dispose in accordance with all applicable federal, state, and local environmental regulations.
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14. TRANSPORT INFORMATION

Domestic (D.O.T.):	Proper Shipping Name:	Alkaloids, solid, n.o.s. (Colchicine)	
	Hazard Class:	6.1	
	UN:	1544	Packing group: I
	Poison inhalation hazard:	No	
International:			
IMDG:	Proper Shipping Name:	Alkaloids, solid, n.o.s. (Colchicine)	

	Hazard Class:	6.1		
	UN/NA:	1544	Packing group: I	EMS-No.: F-A, S-A
IATA:	Proper Shipping Name:	Alkaloids, solid, n.o.s. (Colchicine)		
	Hazard Class:	6.1		
	UN:	1544	Packing group: I	

15. REGULATORY INFORMATION

TSCA: Yes

SARA TITLE III:

Section 302 (EHS) Ingredients:	CAS No.: 64-86-8 Colchicine
Section 313 Ingredients:	No
Section 304 (EHS/CERCLA) Ingredients:	No
Section 311/312 Hazard:	Acute Health Hazard, Chronic Health Hazard

Massachusetts Right to Know Components: CAS No.: 64-86-8 Colchicine

Pennsylvania Right to Know Components: CAS No.: 64-86-8 Colchicine

New Jersey Right to Know Components: CAS No.: 64-86-8 Colchicine

California Prop. 65 Components: CAS No.: 64-86-8 Colchicine
 WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

16. OTHER INFORMATION

HMIS Rating:

Health Hazard	Flammability	Physical Hazard	Personal Protection
4	0	0	B

NFPA Rating:

Health Hazard	Fire Hazard	Instability	Special Hazard
4	0	0	

PhytoTech Labs Inc. provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. The above information is intended to be used only as a guide to the appropriate precautionary handling of this material by a properly trained person. PhytoTech Labs Inc. shall not be held liable for any damage resulting from handling or from contact with the above product. This product is intended for LABORATORY USE ONLY. Our products may NOT BE USED as drugs, cosmetics, agricultural or pesticidal products, food additives or as household chemicals.

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