

Safety Data Sheet

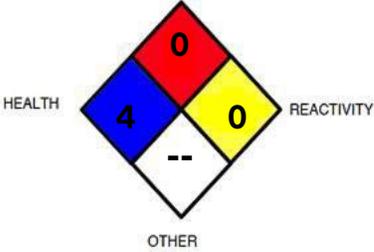
Section 1: Product & Company Identification

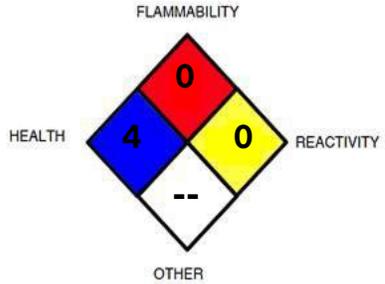
Product Name:	Colchicine
Product #:	C-1164
Synonyms:	N-[(7S)-5,6,7,9-tetrahydro-1,2,3,10-tetramethoxy-9-oxobenzo[a]heptalen-7-yl]-acetamide
Supplier:	AG Scientific Holdings, LLC 9950 Scripps Lake Drive, Suite 104 San Diego, CA 92131 Tele# + 858-452-9925
Emergency Tele#:	ChemTel, Tele# in USA 1-800-255-3924, International 1-813-248-0585

Section 2: Composition / Information on Ingredients

Component	CAS #	EC #	% Composition
Colchicine	64-86-8	200-598-5	≥98%

Section 3: Hazards Identification

Symbols	
HMIS Classification	<p style="text-align: center;">FLAMMABILITY</p>  <p style="text-align: center;">OTHER</p>

NFPA Classification	
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Section 4: First Aid Measures

General Overview:	<p>Immediately remove any clothing soiled by the product. Remove breathing apparatus only after contaminated clothing have been completely removed. In case of irregular breathing or respiratory arrest provide artificial respiration.</p> <p>May cause anemia, cough, CNS depression, drowsiness, headache, heart damage, lassitude (weakness, exhaustion), liver damage, narcosis, reproductive effects, teratogenic effects.</p>
Inhalation:	<p>Supply fresh air or oxygen; call for doctor. In case of unconsciousness place patient stably in side position for transportation.</p>
Skin:	<p>Immediately wash with water and soap and rinse thoroughly.</p>
Eyes:	<p>Rinse opened eyes for several minutes under running water. Then consult a doctor.</p>
Ingestion:	<p>Do not induce vomiting; immediately call for medical help.</p>
	<p>See section 11 for more detailed information on health effects & symptoms.</p>

SECTION 5: Fire Fighting Measures

Flammability of the product:	<p>Product is not flammable</p>
Extinguishing Media:	<p>Use fire fighting measures that suit the environment. A solid water stream may be inefficient.</p>
Hazardous thermal (de)composition products:	<p>No data available</p>
Special Fire Fighting Procedures:	<p>Mouth respiratory protective device</p>
Flash Point:	<p>No data available</p>

Section 6: Accidental Release Measures

Personal Precautions:	<p>Wear protective equipment. Keep unprotected persons away.</p>
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Environmental Precautions:	Do not allow to enter sewers, surface, or ground water.
Methods for Clean-up:	Use neutralizing agent. Dispose of contaminated material according to Section 13. Ensure adequate ventilation.

SECTION 7: Handling & Storage

Storage:	Keep container tightly sealed. Store at -20°C
Handling:	Thorough dedusting. Ensure good ventilation. Open and handle with care.

SECTION 8: Exposure controls / Personal Protection

Respiratory Protection:	 <p>In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.</p>
Skin and Body:	  <p>Protective gloves and lab coat.</p>
Eyes:	 <p>Tightly sealed goggles</p>
Ventilation/Engineering Measures:	N/A
Hygiene:	Handle in accordance with good industrial hygiene and safety practice.

Other:	N/A
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SECTION 9: Physical and Chemical Properties

Appearance & Odor:	Solid
Formula	C ₂₂ H ₂₅ NO ₆
Molecular Wt.	399.4
Melting Pt.	156°C
Boiling Pt.	No data available
Density:	No data available
Vapor Pressure:	No data available
Evaporation Rate:	No data available
Vapor Density:	No data available
Solubility:	DMSO, Ethanol
Flash Point:	No data available
Autoignition Temp:	No data available

SECTION 10: Stability and Reactivity

Stability:	Stable under recommended storage conditions.
Hazardous decomposition products:	Carbon dioxide, carbon monoxide, nitrogen oxides
Materials to Avoid:	Strong oxidizing agents
Conditions to avoid:	No data available

SECTION 11: Toxicological Information

RTECS#:	GH0700000
ACUTE Toxicity:	Eyes: Strong irritant with the danger of severe eye injury.
CHRONIC Toxicity:	N/A
Chronic Exposure: Carcinogen: Mutagen: Teratogen: Reproductive:	<p>IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by IARC.</p> <p>AGGIH: No component of this product present at levels greater than or equal to 0.1% is identified as probable, potential human carcinogen by ACGIH.</p> <p>NTP: No component of this product present at levels greater than or equal to 0.1% is identified as known or anticipated human carcinogen by NTP.</p> <p>OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as known or potential human carcinogen by OSHA.</p>

	EPA: No classification on carcinogenic data is available from EPA
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SECTION 12: Ecological Information

Ecotoxicity:	<p>Water Hazard Class 3 (Assessment by list): extremely hazardous for water.</p> <p>Do not allow product to reach ground water, water course, or sewage system, even in small quantities. Must not reach bodies of water or drainage ditch undiluted or unneutralized.</p> <p>Danger to drinking water if even extremely small quantities leak into the ground.</p>
Mobility:	No data available
Persistence and degradability:	No data available
Bioaccumulative potential:	No data available
Other adverse effects:	No data available
Corrosivity Characteristic:	No data available
General Notes:	To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.

SECTION 13: Disposal Considerations

Residue Waste or Unused product:	Must not be disposed of together with household garbage. Do not allow the product to reach sewage system.
Contaminated Packaging:	Disposal must be made according to official regulations.

SECTION 14: Transportation Information

UN ID#:	UN2811
ADR / RID (LAND):	
DOT regulations:	<p>UN2811 Toxic solids, organic, n.o.s. (Colchicine) Class 6.1 Toxic substances Label: 6.1 Packing Group I</p> <p>Quantity Limitations: On passenger aircraft/rail: 5 kg On cargo aircraft only: 50 kg</p>
IMDG/IMO (SEA):	UN2811

	<p>TOXIC SOLID, ORGANIC, N.O.S. (Colchicine) Class 6.1 Toxic substances Label 6.1 Packing Group I</p> <p>Limited Quantities (LQ): 0 Excepted Quantities (EQ): Code E5 Maximum net quantity per inner packaging: 1 g Maximum net quantity per outer packaging: 300 g</p>
IATA/DGR (AIR):	<p>UN2811 Toxic solid, organic, n.o.s. (Colchicine) Class 6.1 Toxic substances Label 6.1 Packing Group I</p> <p>Remarks: When sold in quantities of less than or equal to 1 mL, or 1 g, with an Excepted Quantity Code of E1, E2, E4, or E5, this item meets the De Minimis Quantities exemption, per IATA 2.6.10. Therefore packaging does not have to be labeled as Dangerous Goods/Excepted Quantity.</p>
Special Provisions:	<p>Hazard Identification Number (Kemler code): 66 EMS Number: F-A,S-A Stowage Category: B</p>

SECTION 15: Regulatory Information

Health Phrases:	<p>Danger! H300+H330 Fatal if swallowed or if inhaled. H318 Causes serious eye damage. H340 May cause genetic defects.</p>
Risk Phrases:	<p>P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood. P260 Do not breathe dust/fume/gas/mist/vapors/spray. P264 Wash thoroughly after handling. P270 Do not eat, drink, or smoke when using this product. P271 Use only outdoors or in a well-ventilated area. P280 Wear protective gloves/protective clothing/eye protection/face protection. P284 [In case of inadequate ventilation] wear respiratory protection.</p>
Safety Phrases:	<p>P301+P310 If swallowed: Immediately call a poison center/doctor. P330 Rinse mouth. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P308+P313 IF exposed or concerned: Get medical advice/attention.</p>

	<p>P320 Specific treatment is urgent (see on this label). P403+P233 Store in a well-ventilated place. Keep container tightly closed. P405 Store locked up. P501 Dispose of contents/container in accordance with local/regional /national/international regulations.</p>
EU Regulations:	
US Regulations:	<p>TSCA: LISTED California Proposition 65: LISTED</p> <ul style="list-style-type: none"> • Substance is known to cause reproductive toxicity for males. • Substance is known to cause developmental toxicity.
U.S. Federal Regulations:	<p>SARA 302/304 emergency planning and notification: No products were found. SARA 311/312 MSDS distribution-chemical inventory-hazard identification: No products were found. SARA 313 toxic chemicals notification and release reporting: No products were found. SARA 355 (extremely hazardous substances): LISTED</p> <p>Clean Water Act (CWA) 307: No products were found. Clean Water Act (CWA) 311: No products were found. Clean Air Act (CAA) 112 accidental release prevention: No products were found. Clean Air Act (CAA) 112 regulated flammable substances: No products were found. Clean Air Act (CAA) 112 regulated toxic substances: No products were found. OSHA: No products were found.</p>
WHMIS (Canada):	N/A

SECTION 16: Other Information

LIABILITY STATEMENT: *The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. AG Scientific shall not be held liable for any damages resulting from handling or from contact with the above product. AG Scientific products are for research purposes only. Not for human use or consumption.*