

Safety Data Sheet

Section 1: Product & Company Identification

Product Name:	Azithromycin
Product #:	A-2667
Synonyms:	CP 62,993
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
Azithromycin	83905-01-5	617-500-5	≥ 98

Section 3: Hazards Identification

Symbols



HMIS Rating

Health Hazard	Chronic Health Hazard	Flammability	Physical Hazard
0	0	0	0

NFPA Rating

Health Hazard	Fire Hazard	Reactivity Hazard
0	0	0

Section 4: First Aid Measures

General Overview:	Symptoms of poisoning may even occur after several hours; therefore, medical observation for at least 48 hours after the accident.
Inhalation:	Supply fresh air and to be sure call for a doctor. In case of unconsciousness place patient stably in side position for transportation.
Skin:	Immediately wash with water and soap and rinse thoroughly.

Eyes:	Rinse opened eye for several minutes under running water.
Ingestion:	If symptoms persist consult doctor.
	See section 11 for more detailed information on health effects & symptoms.

SECTION 5: Fire Fighting Measures

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


Section 6: Accidental Release Measures


Personal Precautions:	Not required
Environmental Precautions:	Inform respective authorities in case of seepage into water course or sewage system. Do not allow to enter sewers/ surface or ground water.
Methods for Clean-up:	Dispose contaminated material as waste according to Section 13.

SECTION 7: Handling & Storage

Storage:	Recommended storage temperature: -20°C
Handling:	Ensure adequate ventilation at the workplace.

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>
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Skin and Body:	 <p>Protective gloves and lab coat.</p>
Eyes:	 <p>Tightly sealed safety goggles.</p>
Ventilation/Engineering Measures:	Ensure adequate ventilation.
Hygiene:	Follow standard industrial hygiene practices.
Other:	Contains no substances with occupational exposure limit values.

SECTION 9: Physical and Chemical Properties

Appearance & Odor:	Solid. Characteristic odor.
Formula	$C_{38}H_{72}N_2O_{12}$
Molecular Wt.	749.0
Melting Pt.	No data available
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:	DMF, DMSO, Ethanol
Flash Point:	No data available
Autoignition Temp:	No data available

SECTION 10: Stability and Reactivity

Stability:	Stable under recommended storage conditions.
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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#:	RN6960000
ACUTE Toxicity:	Oral TDLO = 21 mL/kg/3D intermittent (human) LD50 = >2 g/kg (rat) Intraperitoneal LDLO = 900 mg/kg (Rat)
CHRONIC Toxicity:	Sensitization possible through inhalation. Sensitization possible through skin contact.
Chronic Exposure: Carcinogen: Mutagen: Teratogen: Reproductive:	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. ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as probable, potential human carcinogen by ACGIH. 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. 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. EPA: No classification on carcinogenic data is available from EPA

SECTION 12: Ecological Information

Ecotoxicity:	Very toxic for fish. Water hazard class 3 (Self-assessment): extremely hazardous for water Do not allow product to reach ground water, water course or sewage system, even in small quantities. Danger to drinking water if even extremely small quantities leak into the ground. Also poisonous for fish and plankton in water bodies. Very toxic for aquatic organisms
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:	No data available
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SECTION 13: Disposal Considerations

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

SECTION 14: Transportation Information

UN ID#:	UN3077
ADR / RID (LAND):	N/A
DOT regulations:	Environmentally hazardous substance, solid, n.o.s. (Azithromycin) Class 9 Miscellaneous dangerous substances and articles Label 9 Packing Group III Quantity limitations: No limit
IMDG/IMO (SEA):	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Azithromycin) Class 9 Miscellaneous dangerous substances and articles Label 9 Packing Group III Quantity Limitations Limited Quantities (LQ): 5 kg Excepted Quantities (EQ): <ul style="list-style-type: none"> • Code: E1 • Maximum net quantity per inner packaging (30 g) • Maximum net quantity per outer packaging (1000 g)
IATA/DGR (AIR):	Environmentally hazardous substance, solid, n.o.s. (Azithromycin) Class 9 Miscellaneous dangerous substances and articles Label 9 Packing Group III 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.
Special Provisions:	Warning: Miscellaneous dangerous substances and articles EMS Number: F-A,S-F Stowage Category: A Stowage Code: SW23 when transported in BK3 bulk container

SECTION 15: Regulatory Information

Health Phrases:	<p>Danger!</p> <p>H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.</p> <p>H317 May cause an allergic skin reaction.</p> <p>H372 Causes damage to organs through prolonged or repeated exposure.</p> <p>H410 Very toxic to aquatic life with long lasting effects</p>
Risk Phrases:	<p>P260 Do not breathe dust/fume/gas/mist/vapors/spray.</p> <p>P264 Wash thoroughly after handling.</p> <p>P270 Do not eat, drink or smoke when using this product.</p> <p>P272 Contaminated work clothing must not be allowed out of the workplace.</p> <p>P273 Avoid release to the environment.</p> <p>P280 Wear protective gloves.</p> <p>P284 [In case of inadequate ventilation] wear respiratory protection.</p>
Safety Phrases:	<p>P302+P352 If on skin: Wash with plenty of water.</p> <p>P304+P341 If inhaled: If breathing is difficult, remove person to fresh air and keep comfortable for breathing.</p> <p>P314 Get medical advice/attention if you feel unwell.</p> <p>P333+P313 If skin irritation or rash occurs: Get medical advice/attention.</p> <p>P321 Specific treatment (see on this label).</p> <p>P342+P311 If experiencing respiratory symptoms: Call a poison center/doctor.</p> <p>P363 Wash contaminated clothing before reuse.</p> <p>P391 Collect spillage.</p> <p>P501 Dispose of contents/container in accordance with local/regional/national/international regulations</p>
EU Regulations:	N/A
US Regulations:	<p>TSCA: Not listed</p> <p>California Proposition 65: No products were found</p>
U.S. Federal Regulations:	<p>SARA 302/304 emergency planning and notification: No products were found.</p> <p>SARA 311/312 MSDS distribution-chemical inventory-hazard identification: No products were found.</p> <p>SARA 313 toxic chemicals notification and release reporting: No products were found.</p> <p>Clean Water Act (CWA) 307: No products were found.</p> <p>Clean Water Act (CWA) 311: No products were found.</p> <p>Clean Air Act (CAA) 112 accidental release prevention: No products were found.</p> <p>Clean Air Act (CAA) 112 regulated flammable substances: No products were found.</p> <p>Clean Air Act (CAA) 112 regulated toxic substances: No products were found.</p>



	OSHA: Sensitization - respiratory (Cat. 1); Specific target organ toxicity - repeated exposure (Cat. 1); Aquatic acute (Cat. 1), Aquatic chronic (Cat. 1), Sensitization - skin (Cat. 1)
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.*