

Safety Data Sheet

Section 1: Product & Company Identification

Product Name:	A23187
Product #:	A-1128
Synonyms:	Calcium Ionophore A23187; Calcimycin; Antibiotic A 23187
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
A23187	52665-69-7	258-084-1	

Section 3: Hazards Identification

Symbols	<p>Not hazardous</p> <p>Hazards not otherwise classified (HNOC) or not covered by GHS: Caution: Physiologically highly active, therapeutically usable substance. The substance must be handled with the care required for hazardous materials.</p>
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HMIS Rating

Health Hazard	Chronic Health Hazard	Flammability	Physical Hazard

NFPA Rating

Health Hazard	Chronic Health Hazard	Flammability

Section 4: First Aid Measures

General Overview:	No data available
Inhalation:	Fresh air. Consult a doctor.
Skin:	Take off all contaminated clothing immediately. Rinse skin with water/shower. Consult a physician.
Eyes:	Rinse opened eyes with plenty of water. Remove contact lenses

Ingestion:	Immediately make victim drink water (two glasses at most). Consult a doctor.
	See section 11 for more detailed information on health effects & symptoms.

SECTION 5: Fire Fighting Measures

Flammability of the product:	Combustible
Extinguishing Media:	Water, foam, carbon dioxide, dry powder
Hazardous thermal (de)composition products:	Carbon oxides, Nitrogen oxides (NOx). Development of hazardous combustion gases or vapors possible in the event of fire.
Special Fire Fighting Procedures:	Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing. Suppress (knock down) gases/vapors/mists with a water spray jet. Prevent fire extinguishing water from contaminating surface water or the ground water system.
Flash Point:	No data available



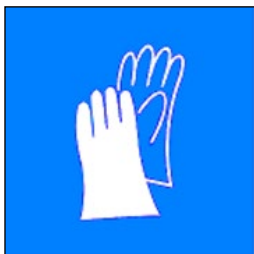

Section 6: Accidental Release Measures

Personal Precautions:	Advice for non-emergency personnel: Avoid inhalation of dusts. Avoid substance contact. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures, consult an expert. For personal protection see Section 8.
Environmental Precautions:	Do not let product enter drains.
Methods for Clean-up:	Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see Section 7 and Section 10). Take up dray. Dispose of properly. Clean up affected area. Avoid generation of dusts.

SECTION 7: Handling & Storage

Storage:	Recommended storage temperature: 2 - 8°C. Storage class (TRGS 510): 11: Combustible solids.
Handling:	For precautions see Section 2.

SECTION 8: Exposure controls / Personal Protection

Respiratory Protection:	 <p>Recommended filter type: P3</p> <p>The user must ensure that maintenance, cleaning, and testing of respiratory protective devices are carried out according to the instructions of the producer. These measures must be properly documented.</p> <p>Respiratory protection required when dusts are generated.</p>
Skin and Body:	  <p>Protective clothing and gloves.</p>
Eyes:	 <p>Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Safety glasses.</p>
Ventilation/Engineering Measures:	<p>Change contaminated clothing. Wash hands after working with substance. Do not let product enter drains.</p>
Hygiene:	<p>The usual precautionary measures for handling chemicals should be followed.</p>
Other:	<p>Contains no substances with occupational exposure limit values.</p>

SECTION 9: Physical and Chemical Properties

Appearance & Odor:	White powder
Formula	C ₂₉ H ₃₇ N ₃ O ₆
Molecular Wt.	523.62
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:	DMSO, Methanol, Methylene chloride
Flash Point:	No data available
Autoignition Temp:	No data available

SECTION 10: Stability and Reactivity

Stability:	<p>The following applies in general to flammable organic substances and mixtures: in correspondingly fine distribution, when whirled up a dust explosion potential may generally be assumed.</p> <p>The product is chemically stable under standard ambient conditions (room temperature).</p>
Hazardous decomposition products:	No data available
Materials to Avoid:	Strong oxidizing agents
Conditions to avoid:	No data available

SECTION 11: Toxicological Information

RTECS#:	DM4676000 Depending on the intensity and duration of exposure, effects may vary from mild irritation to severe destruction of tissue.
ACUTE Toxicity:	LD ₅₀ Intraperitoneal = 9.2 mg/kg (Rat) Remarks: Sense organs and special senses (nose, eye, ear, and taste): Eye: Ptosis. Behavioral: Muscle weakness. Lungs, Thorax, or Respiration: Dyspnea
CHRONIC Toxicity:	N/A
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. 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>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> <p>EPA: No classification on carcinogenic data is available from EPA</p>
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SECTION 12: Ecological Information

Ecotoxicity:	No data available
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

SECTION 13: Disposal Considerations

Residue Waste or Unused product:	Waste material must be disposed of in accordance with national and local regulations. Leave chemicals in original containers. No mixing with other waste.
Contaminated Packaging:	Handle uncleaned containers like the product itself.

SECTION 14: Transportation Information

UN ID#:	N/A
ADR / RID (LAND):	Not regulated
DOT regulations:	Not regulated
IMDG/IMO (SEA):	Not regulated
IATA/DGR (AIR):	Not regulated
Special Provisions:	N/A

SECTION 15: Regulatory Information

Health Phrases:	Not hazardous
Risk Phrases:	N/A
Safety Phrases:	N/A
EU Regulations:	N/A
US Regulations:	TSCA: Not listed

	California Proposition 65: No products were found
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> <p>OSHA:</p>
WHMIS (Canada):	N/A

SECTION 16: Other Information

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