

Safety Data Sheet

Section 1: Product & Company Identification

Product Name:	7-Amino-Actinomycin D
Product #:	A-1132
Synonyms:	7-AAD; NSC 239759
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
7-Amino-Actinomycin D	7240-37-1	635-285-6	≥ 95

Section 3: Hazards Identification

Symbols	
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HMIS Rating

Health Hazard	Chronic Health Hazard	Flammability	Physical Hazard
4		0	0

NFPA Rating

Health Hazard	Chronic Health Hazard	Flammability
4	0	0

Section 4: First Aid Measures

General Overview:	Consult a doctor and supply this safety data sheet or label from container.
Inhalation:	Supply fresh air; consult a doctor in case of complaints.
Skin:	Generally, the product does not irritate the skin.
Eyes:	Rinse opened eyes for several minutes under running water.

Ingestion:	If symptoms persist, consult a 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 firefighting measures that suit the environment. A solid water stream may be inefficient. A solid water stream may be inefficient.
Hazardous thermal (de)composition products:	No data available
Special Fire Fighting Procedures:	No data available
Flash Point:	No data available


Section 6: Accidental Release Measures




Personal Precautions:	Not required
Environmental Precautions:	Do not allow to enter sewers, surface, or ground water.
Methods for Clean-up:	Dispose of contaminated material as waste according to Section 13.

SECTION 7: Handling & Storage

Storage:	Keep container tightly closed. Recommended storage temperature: -20°C
Handling:	Thorough dedusting. Ensure good ventilation at the workplace.

SECTION 8: Exposure controls / Personal Protection

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

SECTION 9: Physical and Chemical Properties

Appearance & Odor:	Solid. Characteristic odor.
Formula	$C_{62}H_{87}N_{13}O_{16}$
Molecular Wt.	1270.4
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
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 oxides, nitrogen oxides
Materials to Avoid:	Strong acids, strong bases, strong oxidizing agents
Conditions to avoid:	No data available

SECTION 11: Toxicological Information

RTECS#:	AU1579000
ACUTE Toxicity:	N/A
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> <p>EPA: No classification on carcinogenic data is available from EPA</p>

SECTION 12: Ecological Information

Ecotoxicity:	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.
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 product to reach sewage system.
Contaminated Packaging:	Disposal must be made according to official regulations.

SECTION 14: Transportation Information

UN ID#:	2811
ADR / RID (LAND):	
DOT regulations:	UN#: 2811 Class: 6.1 Toxic substances Label: 6.1 Proper Shipping Name: Toxic solids, organic, n.o.s. (7-Amino-Actinomycin D) Packing Group: I Quantity Limitations: <ul style="list-style-type: none"> • On passenger aircraft/rail: 5 kg • On cargo aircraft only: 50 kg
IMDG/IMO (SEA):	UN#: 2811 Class: 6.1 Toxic substances Label: 6.1 Proper Shipping Name: TOXIC SOLID, ORGANIC, N.O.S. (7-Amino-Actinomycin D) Packing Group: I Quantity Limitations: <ul style="list-style-type: none"> • Limited quantities (LQ): 0 • Excepted quantities (EQ): Code: E5 <ul style="list-style-type: none"> ○ Maximum net quantity per inner packaging: 1 g ○ Maximum net quantity per outer packaging: 300 g
IATA/DGR (AIR):	UN#: 2811 Class: 6.1 Toxic substances Label: 6.1 Proper Shipping Name: Toxic solid, organic, n.o.s. (7-Aminoactinomycin D) Packing Group: I 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: Toxic substances Hazard identification number (Kemler code): 66 EMS Number: F-A,S-A Stowage Category: B

SECTION 15: Regulatory Information

Health Phrases:	Danger! H300 Fatal if swallowed. H350 May cause cancer. H360 May damage fertility or the unborn child.
Risk Phrases:	P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood. P264 Wash thoroughly after handling. P270 Do not eat, drink, or smoke when using this product. P280 Wear protective gloves/protective clothing/eye protection/face protection.
Safety Phrases:	P301+P310 If swallowed: Immediately call a poison center/doctor. P321 Specific treatment (see on this label). P330 Rinse mouth. P308+P313 IF exposed or concerned: Get medical advice/attention. P405 Store locked up. P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
EU Regulations:	N/A
US Regulations:	TSCA: No products were found California Proposition 65: Substance is not listed
U.S. Federal Regulations:	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. 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: Acute toxicity - oral (Cat. 1), Carcinogenicity (Cat. 1A), Toxic to reproduction (Cat. 1A)
WHMIS (Canada):	N/A

SECTION 16: Other Information



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