

Safety Data Sheet

Section 1: Product & Company Identification

Product Name:	Poly(A)
Product #:	P-2890
Synonyms:	Polyadenylic Acid
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
Poly(A)	26763-19-9		

Section 3: Hazards Identification

Symbols	N/A
----------------	-----

HMIS Rating

Health Hazard	Chronic Health Hazard	Flammability	Physical Hazard
0		3	0

NFPA Rating

Health Hazard	Fire Hazard	Reactivity Hazard
0	3	0

Section 4: First Aid Measures

General Overview:	Do not leave the victim unattended.
Inhalation:	Move to fresh air. If unconscious, place in recovery position and seek medical advice. If symptoms persist, call a physician.
Skin:	If on skin, rinse well with water.
Eyes:	Immediately flush eye(s) with plenty of water. Remove contact lenses. Protect unharmed eye. If eye irritation persists, consult a specialist.

Ingestion:	Keep the respiratory tract clear. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Rinse mouth with water.
	See section 11 for more detailed information on health effects & symptoms.

SECTION 5: Fire Fighting Measures

Flammability of the product:	Combustible
Extinguishing Media:	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Hazardous thermal (de)composition products:	Carbon oxides, Nitrogen oxides (NO _x)
Special Fire Fighting Procedures:	Standard procedure for chemical fires. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Flash Point:	No data available





Section 6: Accidental Release Measures

Personal Precautions:	Avoid dust formation
Environmental Precautions:	Local authorities should be advised if significant spillages cannot be contained.
Methods for Clean-up:	Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

SECTION 7: Handling & Storage

Storage:	Provide appropriate exhaust ventilation at places where dust is formed. Electrical installations / working materials must comply with the technological safety standards. Recommended storage temperature: -20°C
Handling:	For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area.

SECTION 8: Exposure controls / Personal Protection

Respiratory Protection:		No personal respiratory protective equipment normally required.
Skin and Body:	 	Protective gloves and lab coat.
Eyes:		Safety glasses
Ventilation/Engineering Measures:	Ensure adequate ventilation.	
Hygiene:	Follow standard good industrial hygiene.	
Other:	Contains no substances with occupational exposure limit values.	

SECTION 9: Physical and Chemical Properties

Appearance & Odor:	Solid
Formula	$C_{10}H_{13}KN_5O_7P$
Molecular Wt.	385.31
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:	Water

Flash Point:	No data available
Autoignition Temp:	No data available

SECTION 10: Stability and Reactivity

Stability:	Stable under normal conditions.
Hazardous decomposition products:	Carbon oxides, Nitrogen oxides (NOx)
Materials to Avoid:	Strong oxidizing agents
Conditions to avoid:	Exposure to moisture

SECTION 11: Toxicological Information

RTECS#:	N/A
ACUTE Toxicity:	<p>Acute oral toxicity: Acute toxicity estimate: > 5,000 mg/kg Method: Expert judgment</p> <p>Acute inhalation toxicity: Acute toxicity estimate: > 30 mg/l Test atmosphere: dust/mist Method: Expert judgment</p> <p>Acute dermal toxicity: Acute toxicity estimate: > 5,000 mg/kg Method: Expert judgment</p>
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:	Toxicity to fish: LC50: > 100 mg/L Exposure time: 96 h
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:	Ozone-Depletion Potential: Regulation: 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

SECTION 13: Disposal Considerations

Residue Waste or Unused product:	Can be disposed as waste water, when in compliance with local regulations.
Contaminated Packaging:	Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers.

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:	Warning! May form combustible dust concentrations in air
Risk Phrases:	N/A
Safety Phrases:	N/A
EU Regulations:	N/A
US Regulations:	TSCA: Not listed California Proposition 65: No products were found Pennsylvania State Right to Know: Listed

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: Combustible dust</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: N/A</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.*