



SAFETY DATA SHEET (SDS)

Enzyme A1

SECTION 1 — IDENTIFICATION

Product Name	Enzyme A1						
Product Use	RT-qPCR, for research and educational use only						
Supplier's Name	Ampliyus LLC						
Street Address	1770 Massachusetts Avenue, Suite 167						
City	Cambridge	State	MA	Zip Code	02140		
Emergency Telephone Number	+1-781-990-8727	Date SDS Prepared	09/2025	Date SDS Revised			
Chemtrec (USA)	1-800-262-8200	SDS Prepared By	Ampliyus	Fax	888-317-0512		

SECTION 2 — HAZARDS IDENTIFICATION

Hazard classification:	Not applicable.
Hazard statement(s):	The product contains no substances which at their given concentration, are considered to be hazardous to health.
Precautionary statements (s):	Not applicable
Hazards not otherwise classified:	None
Other:	

SECTION 3 — COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	%	CAS Number	Other
Proprietary formula			

SECTION 4 — FIRST AID MEASURES

Eye Contact	Rinse opened eyes immediately with plenty of water. If irritation persists, get medical attention.
Skin Contact	Wash off immediately with plenty of soap and water. If irritation develops, get medical attention.
Inhalation	Move to fresh air. If breathing becomes difficult, call a physician.
Ingestion	Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.
Possible Symptoms	Not known.
Immediate Care	Treat symptomatically.
Special Treatment Needed	Treat symptomatically.

SECTION 5 — FIRE-FIGHTING MEASURES

Flammable	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, under which conditions?	Not applicable.
Means of Extinction	Dry chemical, CO ₂ , water spray or alcohol resistant foam.		
Hazardous Combustion Products	Not applicable.		
Protective equipment and precautions for firefighters:	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.		

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Leak and Spill Procedures	Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Do not allow water to enter surface/ sewers or groundwater. Prevent further leakage or spillage if safe to do so. Use personal protective equipment. Ensure adequate ventilation.
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SECTION 7 — HANDLING AND STORAGE

Handling Procedures Equipment	No special measures are required for safe handling of this product.
Storage Requirements	No special precautions required. Store at -20°C.

SECTION 8 — EXPOSURE CONTROL / PERSONAL PROTECTION

Exposure Limits	<input type="checkbox"/> ACGIH TLV <input type="checkbox"/> OSHA PEL <input type="checkbox"/> Other (Specify)
Specific Engineering Controls (such as ventilation, enclosed process)	Not required.
Personal Protective Measures	Wash hands thoroughly after handling.
Personal Protective Equipment	Appropriate protective clothing. Protective gloves and goggles. Do not eat, drink or smoke when handling this product.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Appearance	Odor Threshold (ppm)
Solution.	Clear.	No information available
Odor	Solubility	Partition coefficient
Not defined.	Easily soluble.	No information available
Specific Gravity	Vapor Density (air = 1)	Vapor Pressure (mmHg)
No information available	No information available.	No information available
Autoignition Temp (° C)	Melting Point (° C)	Flash Point (° C)
Not applicable	Undetermined	Not applicable
Evaporation Rate	Boiling Point (° C)	Freezing Point (° C)
No information available	Undetermined	Undetermined.
pH	Relative Density	Viscosity
7.0-7.5	No information available	No information available

SECTION 10 — STABILITY AND REACTIVITY

Chemical Stability	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If no, under which conditions? No information available
Incompatibility with Other Substances	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes, which ones? Strong oxidizing agents, acids and alkali

SECTION 11 — TOXICOLOGICAL INFORMATION

Effects of Acute Exposure	Material may be irritating to mucous membranes and upper respiratory tract.	
	May cause skin irritation	
	May cause eye irritation	
Effects of chronic exposure	When used and handled according to specifications, the product does not have any known harmful effects	
Sensitization	Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals	
LD50	When used and handled according to specifications, the product does not have any known harmful effects.	
Carcinogenicity, reproductive toxicity		
Other		

SECTION 12 — ECOLOGICAL INFORMATION

Inherently biodegradable. Does not bioaccumulate.

SECTION 13 — DISPOSAL CONSIDERATIONS

This product is slightly hazardous for water. Do not allow the product to reach groundwater, water courses or sewage systems. Waste must be disposed of in accordance with federal, state and local environmental control regulations.

SECTION 14 — TRANSPORT INFORMATION

This substance is considered to be non-hazardous for transport.

SECTION 15 — REGULATORY INFORMATION

This product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials. OSHA Hazards: None known. US Statements: Caution. Avoid contact and inhalation. Target Organ(s): Kidneys. United States Regulatory Information: Sara Listed: No

SECTION 16 — OTHER INFORMATION

This information is based on our present knowledge and shall be used only as a guide. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. Amplyus LLC is not held liable for any damage resulting from handling or from contact with the abovementioned products.