



SAFETY DATA SHEET (SDS)

1 kb DNA Ladder, Load Ready™

SECTION 1 — IDENTIFICATION

Product Name	1 kb DNA Ladder, Load Ready™ (RG-1002-01)						
Product Use	Gel electrophoresis						
Supplier's Name	Amplyus 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	08/2020	Date SDS Revised		
Chemtrec (USA)	1-800-262-8200	SDS Prepared By	Amplyus			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:	Click or tap here to enter text.		
Other:	Click or tap here to enter text.		

SECTION 3 — COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	%	CAS Number	Other
Click or tap here to enter text.	text	text	enter text.
Click or tap here to enter text.	text	text	enter text.
Click or tap here to enter text.	text	text	enter text.

SECTION 4 — FIRST AID MEASURES

Eye Contact	Rinse opened eye 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	Click or tap here to enter text.
Immediate Care	Click or tap here to enter text.
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?	Click or tap here to enter text.
Means of Extinction	Dry chemical, CO2, 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 to enter surface/ sewers or ground water. 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.
	Click or tap here to enter text.
	Click or tap here to enter text.
Storage Requirements	No special precautions required. Store at -20°C.
	Click or tap here to enter text.
	Click or tap here to enter text.

SECTION 8 — EXPOSURE CONTROL / PERSONAL PROTECTION

Exposure Limits	<input type="checkbox"/> ACGIH TLV <input type="checkbox"/> OSHA PEL <input type="checkbox"/> Other (Specify) enter text.
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.	Blue or Greenish blue.	No information available
Odor	Solubility	Partition coefficient
Not defined.	Easily soluble.	No information available
Specific Gravity	Vapor Density (air = 1)	Vapor Pressure (mmHg)
Click or tap here to enter text.	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)
Click or tap here to enter text.	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? Click or tap here to enter text.
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	Click or tap here to enter text.
	Click or tap here to enter text.
	Click or tap here to enter text.
	Click or tap here to enter text.
Sensitization	Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals
	Click or tap here to enter text.
LD50	When used and handled according to specifications, the product does not have any harmful effects to our experience
Carcinogenicity, reproductive toxicity	Click or tap here to enter text.
Other	Click or tap here to enter text.

SECTION 12 — ECOLOGICAL INFORMATION

Inherently biodegradable. Does not bioaccumulate

SECTION 13 — DISPOSAL CONSIDERATIONS

This product is slightly hazardous for water. Do not allow product to reach ground water, water course or sewage system. 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 above mentioned products.