

SAFETY DATA SHEET (SDS)

COVID qPCR lab

Issue date: 16-12-2024

Section 1: Product Identifier and Chemical Identity

Product Identifier	
Product Name:	COVID qPCR Lab: Diagnosing SARS-CoV-2 Infection Simulation
Product Codes:	KT-1900-06
Other means of identification:	
External product name and code/s:	
Manufacturer:	
Amplius LLC	1770 Massachusetts Avenue, Suite 167, Cambridge Massachusetts USA 02140 Website: www.minipcr.com
Suppliers name, address and phone number	
Suppliers Name:	Southern Biological
Suppliers ABN:	94 630 703 810
Suppliers Address:	168 Fulham Road Alphington Victoria 3078 Australia
Suppliers Phone No.:	1300 138 561
Emergency Phone number (BH)	1300 138 561
Document list:	
Product name	Number of pages
DNA samples	4
Patient DH sample or negative control	4
2x qGreen master mix	4
COVID lab primer mix	4
Fast DNA Ladder 1	3
Gel loading dye (RG-1502-01)	5



SAFETY DATA SHEET (SDS) - KT-1900-06

Product name: DNA samples (Patient AH,
Patient BH, Patient CH, Positive Control)

SECTION 1 — IDENTIFICATION

Product Name	DNA Samples from KT-1900-06: Patient AH, Patient BH, Patient CH, Positive Control									
Product Use	Research and Educational use only									
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		text.		Date SDS Revised	
Chemtrec (USA)		1-800-262-8200		SDS Prepared By		Amplyus			Fax	888-317-0512

SECTION 2 — HAZARDS IDENTIFICATION

Hazard classification:	This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)						
Hazard statement(s):	The product contains no substance which at their given concentration, are considered to be hazardous to health						
Precautionary statements (s):	Not applicable						
Hazards not otherwise classified:	Not applicable.						
Other:	Not applicable.						

SECTION 3 — COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	%	CAS Number	Other
Not disclosed. DNA			

SECTION 4 — FIRST AID MEASURES

Eye Contact	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician
Skin Contact	Wash off with soap and plenty of water.
Inhalation	If breathed in, move the person into fresh air. If not breathing, give artificial respiration, 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 applicable.
Immediate Care	Not applicable.
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 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 prevent contact with skin and eyes.		

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Leak and Spill Procedures	<p>Apply laboratory handling protocol. Sweep up. Keep in suitable, closed containers for disposal.</p> <p>Avoid dust formation. Avoid breathing vapours, mist or gas.</p>
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SECTION 7 — HANDLING AND STORAGE

Handling Procedures Equipment	No special handling equipment is needed. To avoid contamination use protective gloves..
Storage Requirements	Tightly cap the tube and store in freezer 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) enter text.
Specific Engineering Controls (such as ventilation, enclosed process)	Contains no substances with occupational exposure limit values.
Personal Protective Measures	General industrial hygiene practice.
Personal Protective Equipment	Follow skin and eye protective measures.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Appearance	Odor Threshold (ppm)
Liquid	Clear	Data not available.
Odor	Solubility	Partition coefficient
None	Water	Data not available.
Specific Gravity	Vapor Density (air = 1)	Vapor Pressure (mmHg)
Data not available.	Data not available.	Data not available.
Autoignition Temp (° C)	Melting Point (° C)	Flash Point (° C)
Data not available.	Data not available.	Data not available.
Evaporation Rate	Boiling Point (° C)	Freezing Point (° C)
Data not available.	Data not available.	Data not available.
pH	Relative Density	Viscosity
~7.0-8.0	Data not available.	Data not available.

SECTION 10 — STABILITY AND REACTIVITY

Chemical Stability	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If no, under which conditions? Stable at least for 6 months under recommended temperature.
Incompatibility with Other Substances	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes, which ones? Strong oxidizing agents..

SECTION 11 — TOXICOLOGICAL INFORMATION

Effects of Acute Exposure	0 % of the mixture consists of ingredient(s) of unknown acute oral toxicity
	0 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity
	0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)
	0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)
	0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)
Effects of chronic exposure	Data not available.
	Data not available.
	Data not available.
	Data not available.
Sensitization	Data not available.
	Data not available.
LD50	Data not available.
Carcinogenicity, reproductive toxicity	Data not available.
Other	Data not available.

SECTION 12 — ECOLOGICAL INFORMATION

The environmental impact of this product has not been fully investigated

SECTION 13 — DISPOSAL CONSIDERATIONS

Offer surplus and non-recyclable solutions to a licensed disposal company.

SECTION 14 — TRANSPORT INFORMATION

Not dangerous goods.

SECTION 15 — REGULATORY INFORMATION

SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards

No SARA Hazards

Massachusetts Right To Know Components

No components are subject to the Massachusetts Right to Know Act.

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.



SAFETY DATA SHEET (SDS) - KT-1900-06

Patient DH Sample or Negative Control

SECTION 1 — IDENTIFICATION

Product Name	Patient DH Sample or Negative Control (KT-1900-06)						
Product Use	Research and educational use only						
Supplier's Name	Amplifyus LLC						
Street Address	1770 Massachusetts Avenue, Suite 167						
City	Cambridge	State	MA	Zip Code	02140		
Emergency Telephone Number	See below		Date SDS Prepared	09/18/2020	Date SDS Revised		
Chemtrec (USA)	1-800-424-9300	SDS Prepared By	Amplifyus	Fax	(888) 317-0512		

SECTION 2 — HAZARDS IDENTIFICATION

Hazard classification:	Not a hazardous substance or mixture
Hazard statement(s):	Not available
Precautionary statements (s):	Not available
Hazards not otherwise classified:	none
Other:	Click or tap here to enter text.

SECTION 3 — COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	%	CAS Number	Other
Nuclease-free water	100	7732-18-5	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 cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Skin Contact	No special measures required
Inhalation	Not expected to be an inhalation hazard under anticipated conditions of normal use of this material. Consult a physician if necessary.
Ingestion	Not expected to present a significant ingestion hazard under anticipated conditions of normal use. If you feel unwell, seek medical advice.
Possible Symptoms	Click or tap here to enter text.
Immediate Care	Click or tap here to enter text.
Special Treatment Needed	Click or tap here to enter text.

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	Use water, dry chemical, chemical foam, carbon dioxide, or alcohol-resistant foam.		
Hazardous Combustion Products	Thermal decomposition may lead to release of irritating gases like CO2 or vapors.		
Protective equipment and precautions for firefighters:	Protective eyewear, gloves and clothing.		

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Leak and Spill Procedures	Absorb with liquid-binding material (sand, diatomite, universal binders, sawdust).
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SECTION 7 — HANDLING AND STORAGE

Handling Procedures Equipment	No special measures required
	Click or tap here to enter text.
	Click or tap here to enter text.
Storage Requirements	Keep away from food and beverages.
	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 checked="" type="checkbox"/> Other (Specify) No occupational protective limits
Specific Engineering Controls (such as ventilation, enclosed process)	No special measures required
Personal Protective Measures	Perform routine housekeeping
Personal Protective Equipment	Not required under normal conditions of use

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Appearance	Odor Threshold (ppm)
Liquid	Colorless liquid	No data available
Odor	Solubility	Partition coefficient
No data available	No data available	No data available
Specific Gravity	Vapor Density (air = 1)	Vapor Pressure (mmHg)
No data available	No data available	No data available
Autoignition Temp (° C)	Melting Point (° C)	Flash Point (° C)
No data available	0°C	No data available
Evaporation Rate	Boiling Point (° C)	Freezing Point (° C)
No data available	100°C	0°C
pH	Relative Density	Viscosity
6.0-8.0	1.00 g/cm ³ at 3.98 °C	No data 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

SECTION 11 — TOXICOLOGICAL INFORMATION

Effects of Acute Exposure	No data available
	Click or tap here to enter text.
	Click or tap here to enter text.
Effects of chronic exposure	No data available
	Click or tap here to enter text.
	Click or tap here to enter text.
	Click or tap here to enter text.
Sensitization	No data available
	Click or tap here to enter text.
LD50	No data available
Carcinogenicity, reproductive toxicity	No data available
Other	Click or tap here to enter text.

SECTION 12 — ECOLOGICAL INFORMATION

Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants.

SECTION 13 — DISPOSAL CONSIDERATIONS

Offer surplus and non-recyclable solutions to a licensed disposal company.

SECTION 14 — TRANSPORT INFORMATION

Not dangerous goods.

SECTION 15 — REGULATORY INFORMATION

Massachusetts Right To Know Components: No components are subject to the Massachusetts Right to Know Act.

SECTION 16 — OTHER INFORMATION

For further information, contact miniPCR bio, Amplyus LLC: 1770 Massachusetts Avenue, Cambridge, MA 02140, USA., team@minipcr.com; support@minipcr.com

SECTION 1 — IDENTIFICATION

Product Name	2X qGreen Master Mix					
Product Use	Research and education use only					
Supplier's Name	Amplify 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	Amplify		Fax	888-317-0512

SECTION 2 — HAZARDS IDENTIFICATION

Hazard classification:	Not classified.
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:	Not applicable
Other:	Not applicable

SECTION 3 — COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	%	CAS Number	Other
No components need to be disclosed according to the applicable regulations			

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	None can be reasonably foreseen during normal use under recommended protocols.
Immediate Care	Treat as instructed by physician.
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 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.
Storage Requirements	Protect from light. 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.	Light orange	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? Stable under recommended storage condition
Incompatibility with Other Substances	<input type="checkbox"/> Yes <input type="checkbox"/> No	If yes, which ones?

SECTION 11 — TOXICOLOGICAL INFORMATION

Effects of Acute Exposure	No data available
Effects of chronic exposure	No data available
Sensitization	No data available
LD50	No data available
Carcinogenicity, reproductive toxicity	<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>ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.</p> <p>NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.</p> <p>OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.</p>
Other	None

SECTION 12 — ECOLOGICAL INFORMATION

Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants

SECTION 13 — DISPOSAL CONSIDERATIONS

Do not dispose product directly into sewage. Consult local state or national regulation for proper disposal.

SECTION 14 — TRANSPORT INFORMATION

This substance is considered to be non-hazardous for transport

SECTION 15 — REGULATORY INFORMATION

Us Toxic Substances Control Act (TSCA): Not listed

SARA 302: No chemicals were found.

SARA 313: No chemicals were found.

SARA 311/312 Hazards: No chemicals were found.

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.

SECTION 1 — IDENTIFICATION

Product Name		COVID Lab Primer Mix											
Product Use		PCR, 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		text.		Date SDS Revised			
Chemtrec (USA)		1-800-262-8200			SDS Prepared By		Ampliyus				Fax	888-317-0512	

Hazard classification:	Not applicable
Hazard statement(s):	The product contains no substance which at their given concentration, are considered to be hazardous to health
Precautionary statements (s):	Not applicable
Hazards not otherwise classified:	Not applicable.
Other:	Not applicable.

SECTION 2 — HAZARDS IDENTIFICATION

SECTION 3 — COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	%	CAS Number	Other
No components need to be disclosed according to the applicable regulations			

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 with soap and plenty of water.
Inhalation	If breathed in, move the person into fresh air. If not breathing, give artificial respiration, 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 applicable.
Immediate Care	Not applicable.
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 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 prevent contact with skin and eyes.		

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Leak and Spill Procedures	Use PPE, Sweep up. Keep in suitable, closed containers for disposal. Avoid dust formation. Avoid breathing vapours, mist or gas.
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Click or tap here to enter text.

SECTION 7 — HANDLING AND STORAGE

Handling Procedures Equipment	No special handling equipment is needed. To avoid contamination use protective gloves..
Storage Requirements	Tightly cap the tube and store in freezer 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) enter text.
Specific Engineering Controls (such as ventilation, enclosed process)	Contains no substances with occupational exposure limit values.
Personal Protective Measures	General industrial hygiene practice.
Personal Protective Equipment	Follow skin and eye protective measures.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Appearance	Odor Threshold (ppm)
Liquid	Clear	Data not available.
Odor	Solubility	Partition coefficient
None	Water	Data not available.
Specific Gravity	Vapor Density (air = 1)	Vapor Pressure (mmHg)
Data not available.	Data not available.	Data not available.
Autoignition Temp (° C)	Melting Point (° C)	Flash Point (° C)
Data not available.	Data not available.	Data not available.
Evaporation Rate	Boiling Point (° C)	Freezing Point (° C)
Data not available.	Data not available.	Data not available.
pH	Relative Density	Viscosity
~7.0-8.0	Data not available.	Data not available.

SECTION 10 — STABILITY AND REACTIVITY

Chemical Stability	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If no, under which conditions? Stable at least for 6 months under recommended temperature.
Incompatibility with Other Substances	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes, which ones? Strong oxidizing agents..

SECTION 11 — TOXICOLOGICAL INFORMATION

Effects of Acute Exposure	0 % of the mixture consists of ingredient(s) of unknown acute oral toxicity
	0 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity
	0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)
	0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)
	0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)
Effects of chronic exposure	Data not available.
	Data not available.
	Data not available.
	Data not available.
Sensitization	Data not available.
	Data not available.
LD50	Data not available.
Carcinogenicity, reproductive toxicity	Data not available.
Other	Data not available.

SECTION 12 — ECOLOGICAL INFORMATION

Data not available.

SECTION 13 — DISPOSAL CONSIDERATIONS

Offer surplus and non-recyclable solutions to a licensed disposal company. .

SECTION 14 — TRANSPORT INFORMATION

Not dangerous goods.

SECTION 15 — REGULATORY INFORMATION

SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards

No SARA Hazards

Massachusetts Right To Know Components

No components are subject to the Massachusetts Right to Know Act.

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.

Latest revision date: September 2020

Revision: 1

SDS prepared by: Amplyus

SECTION 1 — IDENTIFICATION

Product name: Fast DNA ladder 1

Catalog or product number: RG-1003-01

Product use: This product is for education and research use only

Supplier:

Amplyus LLC

1770 Massachusetts Avenue, Suite 167

Cambridge, MA 02140

Phone: 1-781-990-8727

Fax: 888-317-0512

CHEMTREC Emergency Telephone Number: 1-800-262-8200

SECTION 2 — HAZARDS IDENTIFICATION

Hazard class: Not a dangerous substance or mixture according to the Global Harmonized System (GHS)

Hazard statement(s): Product contains No substances which at their given concentration, are considered to be hazardous to health.

Precautionary statement(s): Use personal protective equipment as required; do not eat, drink, or smoke when using this product; wash hands thoroughly after handling.

Hazards not otherwise classified: N/A

SECTION 3 — COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Composition	CAS Number
Tris-HCL	1.5 mM	1185-53-1
Bromophenol blue	0.005%	34725-61-6
Glycerol	10%	56-81-5
EDTA (Ethylenediaminetetraacetic acid)	10 mM	60-00-4
DNA fragments	35 ng/μl	

SECTION 4 — FIRST AID MEASURES

General information: No special measures required

Eye contact: Flush 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: Rinse mouth with water. Seek medical attention and appropriate follow-up.

SECTION 5 — FIRE-FIGHTING MEASURES

Conditions of flammability: Not flammable

Suitable extinguishing media: Dry chemical, CO₂, water spray, or alcohol resistant foam

Special protective equipment for firefighters: Wear self-contained breathing apparatus for fire-fighting if necessary

Hazardous combustion products: N/A

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Personal precautions: Prevent skin/eye contact. Wear personal protective equipment as needed.

Environmental precautions: No special measures required.

Methods and materials for containment and cleaning up: Absorb with liquid-binding material (sand, diatomite, universal binders, sawdust).

SECTION 7 — HANDLING AND STORAGE

Precautions for safe handling: No special measures required.

Conditions for safe storage: No special measures required. Store at -20°C

Incompatible products: N/A

SECTION 8 — EXPOSURE CONTROL / PERSONAL PROTECTION

Engineering controls: Not required. General room ventilation is adequate for use of this product

Personal protective measures: Wash hands thoroughly after handling. Do not eat, drink or smoke when handling this product.

Personal protective equipment:

- **Skin protection:** protective gloves, appropriate protective clothing
- **Eye protection:** safety glasses

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Form: solution

Color: blue

Odor: No data available

Odor threshold: No data available

pH: ~7.6

Melting point/freezing point: No data available

Boiling point: No data available

Flash point: No data available

Evaporation rate: f No data available

Ignition temperature: No data available

Autoignition temperature: No data available

Lower explosion limit: No data available

Upper explosion limit: No data available

Vapor pressure: No data available

Vapor density: No data available

Relative density (water = 1): No data available

Water solubility: No data available

Partition coefficient (n-octanol/water): No data available

Viscosity: No data available

SECTION 10 — STABILITY AND REACTIVITY

Chemical stability: Stable under recommended storage conditions

Incompatible materials to avoid: Strong acids or bases, strong oxidizers

Hazardous decomposition products: N/A

SECTION 11 — TOXICOLOGICAL INFORMATION

Effects of acute exposure: May cause skin irritation, may cause eye irritation, may irritate mucous membranes and upper respiratory tract

LD/LC50 values: No data available

Respiratory or skin sensitization: No data available

Germ cell mutagenicity: No data available

Reproductive toxicity: No data available

Teratogenicity: No data available

Carcinogenicity: No components of this product are listed by IARC, NTP, or OSHA

SECTION 12 — ECOLOGICAL INFORMATION

Toxicity: No data available

Persistence and degradability: No data available

Bioaccumulative potential: No data available

Mobility in soil: No data available

PBT assessment: No data available

vPvB assessment: No data available

Other adverse effects: None known

SECTION 13 — DISPOSAL CONSIDERATIONS

Product: Dispose of waste in accordance with applicable national, regional, or local regulations. Do not allow product to reach ground water, water course, or sewage system

Contaminated packaging: Dispose of packaging in accordance with applicable national, regional, or local regulations

SECTION 14 — TRANSPORT INFORMATION

This substance is considered to be non-hazardous for transport

SECTION 15 — REGULATORY INFORMATION

SARA 302/304 (40CFR355.30/40CFR355.40): This material does not contain any components with a section 302 EHS TPQ or a section 304 EHS RQ

SARA 313: Substance not listed

SARA 311/312: No SARA hazards

California Proposition 65: Substance not listed

Massachusetts right to know: Substance not listed

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.



SAFETY DATA SHEET (SDS) - KT-1900-06

Gel Loading Dye (RG-1502-01)

SECTION 1 — IDENTIFICATION

Product Name	Gel Loading Dye (RG-1502-01)					
Product Use	Gel electrophoresis. This product is for research and development only.					
Supplier's Name	Amplifyus LLC					
Street Address	1770 Massachusetts Avenue, Suite 167					
City	Cambridge	State	Massachusetts	Zip Code	02140	
Emergency Telephone Number	781-990-8727	Date SDS Prepared	09/28/2019	Date SDS Revised	5/1/2020	
Chemtrec (USA)	n/a	SDS Prepared By	enter text.		Fax	enter text.

SECTION 2 — HAZARDS IDENTIFICATION

Hazard classification:	This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard					
Hazard statement(s):	Not a hazardous substance or mixture according to the Globally Harmonized System (GHS).					
Precautionary statements (s):	Not applicable					
Hazards not otherwise classified:	Eye: May cause irritation. Skin: May cause irritation.					
Other:	Aggravation of Pre-Existing Conditions: May aggravate pre-existing allergy, eczema, or skin conditions.					

SECTION 3 — COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	%	CAS Number	Other
Not applicable			enter text.
The product contains no substances which at their given concentration, are considered to be hazardous to health			enter text.
Proprietary ingredient(s)	<2.5% by wt.	No data	enter text.

SECTION 4 — FIRST AID MEASURES

Eye Contact	Immediately flush eyes with plenty of water for at least 15 to 20 minutes. Ensure adequate flushing of the eyes by separating the eyelids with fingers. Remove contacts if present and easy to do. Continue rinsing. Get medical attention, if irritation or symptoms of overexposure persists.
Skin Contact	Immediately wash skin with soap and plenty of water. Get medical attention if irritation develops or persists.
Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.
Ingestion	If swallowed, do NOT induce vomiting. Call a physician or poison control center immediately. 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.

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	Use alcohol resistant foam, carbon dioxide, dry chemical, or water fog or spray when fighting fires involving this material.		
Hazardous Combustion Products	No information available		
Protective equipment and precautions for firefighters:	As in any fire, wear Self-Contained Breathing Apparatus (SCBA), MSHA/NIOSH (approved or equivalent) and full protective gear.		

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Leak and Spill Procedures	Evacuate area and keep unnecessary and unprotected personnel from entering the spill area. Use proper personal protective equipment. Avoid runoff into storm sewers, ditches, and waterways. Contain spills with an inert absorbent material such as soil or sand. Prevent from spreading by covering, diking or other means. Provide ventilation. Clean up spills immediately observing precautions in the protective equipment section. Place into a suitable container for disposal. Provide ventilation. After removal, flush spill area with soap and water to remove trace residue.
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SECTION 7 — HANDLING AND STORAGE

Handling Procedures Equipment	Use with adequate ventilation. Avoid breathing vapor and contact with eyes, skin and clothing.
	Wash thoroughly after handling. Avoid contact with eyes and skin. Avoid inhaling vapor or mist.
	Click or tap here to enter text.
Storage Requirements	Store in a cool, dry, well ventilated area away from sources of heat, combustible materials, and incompatible substances. Keep container tightly closed when not in use.
	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)	Use appropriate engineering control such as process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Good general ventilation should be sufficient to control airborne levels. Where such systems are not effective wear suitable personal protective equipment, which performs satisfactorily and meets OSHA or other recognized standards. Consult with local procedures for selection, training, inspection and maintenance of the personal protective equipment.

Personal Protective Measures	Wear appropriate protective glasses or splash goggles as described by 29 CFR 1910.133, OSHA eye and face protection regulation, or the European standard EN 166. Chemical-resistant gloves and chemical goggles, face-shield and synthetic apron or coveralls should be used to prevent contact with eyes, skin or clothing.
Personal Protective Equipment	A NIOSH approved air-purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Appearance	Odor Threshold (ppm)
Liquid	Blueish or dark	No data
Odor	Solubility	Partition coefficient
Odorless or mild	In water.	No data.
Specific Gravity	Vapor Density (air = 1)	Vapor Pressure (mmHg)
No data	Not determined.	Not determined.
Autoignition Temp (° C)	Melting Point (° C)	Flash Point (° C)
No data.	Not determined	No data.
Evaporation Rate	Boiling Point (° C)	Freezing Point (° C)
Click or tap here to enter text.	Not determined	Not determined.
pH	Relative Density	Viscosity
No data	No data	Not determined.

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 acids and alkalis.

SECTION 11 — TOXICOLOGICAL INFORMATION

Effects of Acute Exposure	Specific test data for the substance or mixture is not available.
	Click or tap here to enter text.
	Click or tap here to enter text.
Effects of chronic exposure	Specific test data for the substance or mixture is not available.
	Click or tap here to enter text.
	Click or tap here to enter text.
	Click or tap here to enter text.
Sensitization	Specific test data for the substance or mixture is not available

LD50	2.5 % of the mixture consists of ingredient(s) of unknown toxicity	
Carcinogenicity, reproductive toxicity	No information available	
Other	Click or tap here to enter text.	

SECTION 12 — ECOLOGICAL INFORMATION

No information available

SECTION 13 — DISPOSAL CONSIDERATIONS

Consult with the US EPA Guidelines listed in 40 CFR Part 261.3 for the classifications of hazardous waste prior to disposal. Furthermore, consult with your state and local waste requirements or guidelines, if applicable, to ensure compliance. Arrange disposal in accordance to the EPA and/or state and local guidelines.

SECTION 14 — TRANSPORT INFORMATION

Not restricted as a dangerous good.

SECTION 15 — REGULATORY INFORMATION

TSCA Complies
 DSL/NDSL Complies
 EINECS/ELINCS –
 ENCS –
 IECSC Complies
 KECL Complies
 PICCS –
 AICS –
 SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

CWA (Clean Water Act) This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

US State Regulations

California Proposition 65 This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations This product does not contain any substances regulated by state right-to-know regulations

U.S. EPA Label Information EPA Pesticide Registration Number Not applicable

SECTION 16 — OTHER INFORMATION

The information throughout this document is believed to be accurate and represents the best information currently available to Amplyus LLC. However, we make no warranty of accuracy, express or implied, with respect to the information in this document, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Amplyus LLC. be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Amplyus LLC. has been advised of the possibility of such damages. Various government agencies may have specific regulations regarding the transportation, handling, storage, use or disposal of this product that may not be covered by this document. The user is therefore responsible for full compliance.