SAFETY DATA SHEET (SDS)
100bp DNA Ladder, Load Ready™

SECTION 1 — IDENTIFICATION

Product Name	100bp DNA Ladder, Load Ready™ (RG-1001-01, RG-1001-02)				
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	☐Yes ☒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.

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 -20ºC.
	Click or tap here to enter text.
	Click or tap here to enter text.

SECTION 8 — EXPOSURE CONTROL / PERSONAL PROTECTION

Exposure Limits	☐ ACGIH TLV ☐ OSHA PEL ☐ 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	☒ Yes ☐ No	If no, under which conditions? Click or tap here to enter text.
Incompatibility with Other Substances	☒ Yes ☐ 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 andlocal 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.

SAFETY DATA SHEET (SDS)
Product name: Restriction Enzyme Fnu4HI

SECTION 1 — IDENTIFICATION

Product Name	Restriction Enzyme Fnu4HI				
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
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
Enzyme mixture			

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	No information available.
Immediate Care	Not applicable.
Special Treatment Needed	Treat symptomatically

SECTION 5 — FIRE-FIGHTING MEASURES

Flammable	☐Yes ☒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	Apply laboratory handling protocol. Sweep up. Keep in suitable, closed containers for disposal. Avoid dust formation. Avoid breathing vapours, mist or gas.

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 -20ºC

SECTION 8 — EXPOSURE CONTROL / PERSONAL PROTECTION

Exposure Limits	☐ ACGIH TLV ☐ OSHA PEL ☐ 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	☒ Yes ☐ No	If no, under which conditions? Stable at least for 6 months under recommended temperature.
Incompatibility with Other Substances	☒ Yes ☐ 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
	50 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)
	50 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor) 50 % 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

No information available.

SECTION 13 — DISPOSAL CONSIDERATIONS

Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

SECTION 14 — TRANSPORT INFORMATION

Not dangerous goods. Not regulated.

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

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,

SARA 311/312 Hazards

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

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.

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)
EZ PCR Master Mix, 2X, Load Ready™

SECTION 1 — IDENTIFICATION

Product Name	EZ PCR Master Mix, 2X, Load Ready™						
Product Use	Research and education use only						
Supplier's Name	Amplyus LLC						
Street Address	1770 Massachusetts Avenue, Suite 167						
City	Cambridge	State	MA	Zip Code	02140		
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:	This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)
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 known
Other:	

SECTION 3 — COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	%	CAS Number	Other
Not applicable			

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	No information available
Immediate Care	Not applicable.
Special Treatment Needed	Treat symptomatically.

SECTION 5 — FIRE-FIGHTING MEASURES

Flammable	☐Yes ☒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 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.

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 -20ºC.

SECTION 8 — EXPOSURE CONTROL / PERSONAL PROTECTION

Exposure Limits	☐ ACGIH TLV ☐ OSHA PEL ☐ 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.	Green.	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	☒ Yes ☐ No	If no, under which conditions?
Incompatibility with Other Substances	☒ Yes ☐ 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.
	10 % of the mixture consists of ingredient(s) of unknown toxicity
	May cause eye irritation
Effects of chronic exposure	Specific test data for the substance or mixture is not available.
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 harmful effects to our experience
Carcinogenicity, reproductive toxicity	No information available
Other	No information available

SECTION 12 — ECOLOGICAL INFORMATION

No information available

SECTION 13 — DISPOSAL CONSIDERATIONS

Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

SECTION 14 — TRANSPORT INFORMATION

This substance is considered to be non-hazardous for transport. Not regulated.

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.

SAFETY DATA SHEET (SDS)

Product name Nuclease-free water

Latest revision date: December 5, 2023
Revision: 1
SDS prepared by: Amplyus

SECTION 1 — IDENTIFICATION

Product name: Nuclease-free water
Catalog or product number: Bacterial DNA Barcoding Project Lab KT-1015-01
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
Emergency Telephone Number: 1-781-990-8727 during US East Coast business hours

SECTION 2 — HAZARDS IDENTIFICATION

GHS classification: 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): N/A
Hazards not otherwise classified: N/A
Classification under Directive (EC) No. 1907/2006 (REACH): Product contains no substances that need to be registered in accordance with Directive (EC) No. 1907/2006 [REACH]

SECTION 3 — COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	%	CAS Number
Nuclease-free water	100	7732-18-5

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, CO_2, 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 room temperature
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: Liquid
Color: Clear
Odor: No data available
Odor threshold: fill in or write “No data available”
pH: 6.0-8.0
Melting point/freezing point: 0 ℃
Boiling point: 100 ℃
Flash point: No data available
Evaporation rate: 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): 1.00 g/cm^3 at 3.98 °C
Water solubility: fill in or write “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 oxidizing agents
Hazardous decomposition products: N/A

SECTION 11 — TOXICOLOGICAL INFORMATION

Acute toxicity 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, and 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: No data available

SECTION 13 — DISPOSAL CONSIDERATIONS

Product: Dispose of waste in accordance with applicable national, regional, or local regulations. Do Not allow product to reach groundwater, 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: 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: No SARA hazards

California Proposition 65: Substance not listed

Massachusetts right to know: 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)

X-Tract DNA Extraction Buffer (1.0 ml)

Latest revision date: September 2020
Revision: 1
SDS prepared by: Amplyus

SECTION 1 — IDENTIFICATION

Product name: X-Tract DNA Extraction Buffer
Catalog or product number: RG-1020-01
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): N/A
Hazards not otherwise classified: N/A

SECTION 3 — COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	%	CAS Number
Water	99	
No other components need to be disclosed according to the applicable regulations		

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, CO_2, 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 ambient temperature or -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: colorless
Odor: not defined
Odor threshold: No data available
pH: No data available
Melting point/freezing point: No data available
Boiling point: No data available
Flash point: No data available
Evaporation rate: 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

Acute toxicity 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, and 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: No data available

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)
Primer Mix

SECTION 1 — IDENTIFICATION

Product Name	Primer Mix				
Product Use	For 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	5/2020	Date SDS Revised	10/2020
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 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
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	☐Yes ☒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 vapors, mist or gas.

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 -20ºC

SECTION 8 — EXPOSURE CONTROL / PERSONAL PROTECTION

Exposure Limits	☐ ACGIH TLV ☐ OSHA PEL ☐ Other (Specify) .
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	☒ Yes ☐ No	If no, under which conditions? Stable at least for 6 months under recommended temperature.

Incompatibility with Other Substances	☒ Yes ☐ 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.