

# SAFETY DATA SHEET (SDS)

## Missy Baker Missing™

Issue date: 19-08-2025

### Section 1: Product Identifier and Chemical Identity

Product Identifier	
Product Name:	Missy Baker Missing™
Product Codes:	KT-1000-03
Other means of identification:	
External product name and code/s:	
Manufacturer:	
Amplyus 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
Control DNA	4
100bp DNA ladder	3
EZ PCR master mix, 2x, load ready	4
Primer mix	4

## SECTION 1 — IDENTIFICATION

Product Name	Control DNA						
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	Apply laboratory handling protocol. Sweep up. Keep in suitable, closed containers for disposal. Avoid dust formation. Avoid breathing vapours, mist or gas.
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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.



### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

<b>Product name</b>	100 bp DNA Ladder, Load Ready™
<b>Catalog number</b>	RG-1001-01 RG-1001-02
<b>Supplier</b>	Amplify LLC 1770 Massachusetts Avenue, Suite 167, Cambridge, MA 02140 Tel. +1 (781) 990-8727, Fax. +1 (888) 317-0512
<b>Information in case of emergency</b>	Tel. +1 (781) 990-8727

### 2. COMPOSITION/ INFORMATION ON INGREDIENTS

#### Hazardous/Non-hazardous Components

The product contains no substances which at their given concentration, are considered to be hazardous to health.

### 3. HAZARDS IDENTIFICATION

<b>Hazard description</b>	Not applicable
<b>Information concerning particular hazards for human and environment</b>	Not applicable
<b>Classification system</b>	The classification is according to the latest editions of the EU-lists.

### 4. FIRST-AID MEASURES

<b>Inhalation</b>	Move to fresh air. If breathing becomes difficult, call a physician.
<b>Ingestion</b>	Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.
<b>Skin contact</b>	Wash off immediately with plenty of soap and water. If irritation develops, get medical attention.
<b>Eye contact</b>	Rinse opened eye immediately with plenty of water. If irritation persists, get medical attention.
<b>Notes to physician</b>	Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

<b>Suitable extinguishing media</b>	Dry chemical, CO <sub>2</sub> , water spray or alcohol resistant foam.
<b>Fire/Explosion hazards</b>	Not applicable
<b>Protective equipment</b>	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.





## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions</b>	Use personal protective equipment. Ensure adequate ventilation.
<b>Environmental precautions</b>	Do not allow to enter surface/ sewers or ground water. Prevent further leakage or spillage if safe to do so.
<b>Methods for cleaning up</b>	Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

## 7. HANDLING AND STORAGE

<b>Handling</b>	No special measures are required for safe handling of this product.
<b>Storage</b>	No special precautions required. Store at -20°C.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Engineering measures</b>	Not required, see section 7.
<b>Personal protective equipment</b>	
Respiratory protection	Not required.
Hand protection	Protective gloves.
Eye protection	Protective goggles.
Skin and body protection	Appropriate protective clothing.
Hygiene measures	Do not eat, drink or smoke when handling this product. Wash thoroughly after handling.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Form</b>	Solution
<b>Color</b>	Colorless
<b>Odour</b>	Not defined
<b>Ph value</b>	7.0-7.5
<b>Boiling point</b>	Undetermined
<b>Melting point</b>	Undetermined
<b>Flash point</b>	Not applicable
<b>Autoflammability</b>	Not applicable
<b>Explosion hazard</b>	Not applicable
<b>Vapour pressure</b>	No information available
<b>Relative density</b>	No information available
<b>Water solubility</b>	Easily soluble

## 10. STABILITY AND REACTIVITY

<b>Conditions to avoid</b>	None, if used according to specifications
<b>Materials to avoid</b>	Strong oxidizing agents, acids and alkali
<b>Hazardous decomposition products</b>	No dangerous decomposition products known



## 11. TOXICOLOGICAL INFORMATION

<b>Routes of exposure:</b>	
Inhalation	Material may be irritating to mucous membranes and upper respiratory tract.
Skin contact	May cause skin irritation
Eye contact	May cause eye irritation
<b>Sensitization</b>	Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals
<b>Additional toxicological information</b>	When used and handled according to specifications, the product does not have any harmful effects to our experience

## 12. ECOLOGICAL INFORMATION

<b>Mobility</b>	No data available
<b>Degradability</b>	Inherently biodegradable
<b>Accumulation</b>	Does not bioaccumulate
<b>Ecotoxicity</b>	This product is slightly hazardous for water Do not allow product to reach ground water, water course or sewage system

## 13. DISPOSAL CONSIDERATIONS

<b>Waste handling and disposal</b>	Waste must be disposed of in accordance with federal, state and local environmental control regulations.
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## 14. TRANSPORT INFORMATION

<b>Land transport ADR/RID (cross-border)</b>	
ADR/RID class	no
<b>Air transport ICAO-TI and IATA-DGR</b>	
ICAO/IATA class	no
<b>Additional information</b>	This substance is considered to be non-hazardous for transport

## 15. REGULATORY INFORMATION

<b>Labelling according to EU guidelines</b>	This product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials. OSHA Hazards: None known.
<b>US Classification and Label Test</b>	US Statements: Caution. Avoid contact and inhalation. United States Regulatory Information: Sara Listed: No

## 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	EZ PCR Master Mix, 2X, Load Ready™						
Product Use	Research and education use only						
Supplier's Name	Ampliyus 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	Ampliyus	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	<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 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	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) 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	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If no, under which conditions?
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.
	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)**  
**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	<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.
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## 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.
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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) .
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.
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Incompatibility with Other Substances	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes, which ones? Strong oxidizing agents..
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## 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.