

# SAFETY DATA SHEET (SDS)

## BioBits®: Central Dogma

Issue date: 09-07-2025

### Section 1: Product Identifier and Chemical Identity

<b>Product Identifier</b>	
Product Name:	BioBits®: Central Dogma
Product Codes:	KT-1910-01
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
<b>Document list:</b>	
Product name	Number of pages
BioBits DNA-A	4
BioBits DNA-B	4
BioBits™ pellets	4
Kanamycin	4



# SAFETY DATA SHEET (SDS)

Product name: BioBits DNA-A

## SECTION 1 — IDENTIFICATION

Product Name	BioBits DNA-A						
Product Use	Research 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	1/1/2020	Date SDS Revised	11/14/2023	
Emergency number available during East Coast working hours	SDS Prepared By		Ampliyus			Fax	888-317-0512

## SECTION 2 — HAZARDS IDENTIFICATION

Hazard classification:	The product contains no substances that need to be registered in accordance with Directive (EC) No. 1907/2006 (REACH).		
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
Plasmid DNA	n/a		
EDTA (pH 8.0)	1%	6381-92-6	
Water	~99%	7732-18-5	

## 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	Data not available.
	Data not available.
	Data not available.
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

For Further information

Contact miniPCR bio, Amplyus LLC

1770 Massachusetts Avenue, Cambridge

MA 02140, USA, [team@minipcr.com](mailto:team@minipcr.com); [support@minipcr.com](mailto:support@minipcr.com)



# SAFETY DATA SHEET (SDS)

Product name: BioBits DNA-B

## SECTION 1 — IDENTIFICATION

Product Name	BioBits DNA-B						
Product Use	Research 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	1/1/2020	Date SDS Revised	11/14/2023	
Emergency number available during East Coast working hours	SDS Prepared By		Ampliyus			Fax	888-317-0512

## SECTION 2 — HAZARDS IDENTIFICATION

Hazard classification:	The product contains no substances that need to be registered in accordance with Directive (EC) No. 1907/2006 (REACH).		
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
Plasmid DNA	n/a		
EDTA (pH 8.0)	1%	6381-92-6	
Water	~99%	7732-18-5	

## 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	Data not available.
	Data not available.
	Data not available.
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

For Further information

Contact miniPCR bio, Amplyus LLC

1770 Massachusetts Avenue, Cambridge

MA 02140, USA, [team@minipcr.com](mailto:team@minipcr.com); [support@minipcr.com](mailto:support@minipcr.com)

## SECTION 1 — IDENTIFICATION

Product Name	BioBits pellets						
Product Use	Research and educational purposes 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	08/2020	Date SDS Revised		
Chemtec (USA)	1-800-262-8200	SDS Prepared By	Amplyus			Fax	888-317-0512

## SECTION 2 — HAZARDS IDENTIFICATION

Hazard classification:	Not applicable.
Hazard statement(s):	<b>The product contains no substances which at their given concentration and volumes, are considered to be hazardous to health.</b>
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
Trade secret	25-30	Proprietary	enter text.
Trade secret	25-30	Proprietary	enter text.
Trade secret	>1	Proprietary	enter text.

## SECTION 4 — FIRST AID MEASURES

Eye Contact	Rinse opened eye immediately with plenty of water. If irritation develops, 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	Clean mouth with water and drink afterwards plenty of water. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.
Possible Symptoms	Click or tap here to enter text.
Immediate Care	Click or tap here to enter text.
Special Treatment Needed	Treat symptomatically.

## SECTION 5 — FIRE-FIGHTING MEASURES

Flammable	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, under which conditions?	Click or tap here to enter text.
Means of Extinction	Dry chemical, CO2, water spray or alcohol resistant foam		
Hazardous Combustion Products	Not applicable.		
Protective equipment and precautions for firefighters:	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.		

## SECTION 6 — ACCIDENTAL RELEASE MEASURES

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

Handling Procedures Equipment	Use personal protective equipment
	Click or tap here to enter text.
	Click or tap here to enter text.
Storage Requirements	No special precautions required. Store at 4°C
	Click or tap here to enter text.
	Click or tap here to enter text.

## SECTION 8 — EXPOSURE CONTROL / PERSONAL PROTECTION

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

## SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

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

## SECTION 10 — STABILITY AND REACTIVITY

Chemical Stability	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If no, under which conditions? Click or tap here to enter text.
Incompatibility with Other Substances	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes, which ones? Strong oxidizing agents

## SECTION 11 — TOXICOLOGICAL INFORMATION

Effects of Acute Exposure	May cause eye irritation
	Click or tap here to enter text.
	Click or tap here to enter text.
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	The product contains no substances which at their given concentration and volumes, are considered to be carcinogenic or toxic to reproduction.
Other	Click or tap here to enter text.

## SECTION 12 — ECOLOGICAL INFORMATION

No information available.

## SECTION 13 — DISPOSAL CONSIDERATIONS

Dispose of product in accordance with local rules and 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. 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.

## SECTION 1 — IDENTIFICATION

Product Name	Kanamycin, below 100 microgram/mL						
Product Use	Research and educational purposes 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	08/2020	Date SDS Revised		
Chemtec (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 and volumes, 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
Kanamycin	100	25389-94-0	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 develops, 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	Clean mouth with water and drink afterwards plenty of water. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.
Possible Symptoms	Click or tap here to enter text.
Immediate Care	Click or tap here to enter text.
Special Treatment Needed	Treat symptomatically.

## SECTION 5 — FIRE-FIGHTING MEASURES

Flammable	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, under which conditions?	Click or tap here to enter text.
Means of Extinction	Dry chemical, CO2, water spray or alcohol resistant foam		
Hazardous Combustion Products	Not applicable.		
Protective equipment and precautions for firefighters:	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.		

## SECTION 6 — ACCIDENTAL RELEASE MEASURES

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

Handling Procedures Equipment	Use personal protective equipment
	Click or tap here to enter text.
	Click or tap here to enter text.
Storage Requirements	No special precautions required. Store at 4°C
	Click or tap here to enter text.
	Click or tap here to enter text.

## SECTION 8 — EXPOSURE CONTROL / PERSONAL PROTECTION

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

## SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Appearance	Odor Threshold (ppm)
Solution	Clear	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)
No information available	No information available	No information available
Evaporation Rate	Boiling Point (° C)	Freezing Point (° C)
No information available	No information available	No information available
pH	Relative Density	Viscosity
No information available	No information available	No information available

## SECTION 10 — STABILITY AND REACTIVITY

Chemical Stability	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If no, under which conditions? Click or tap here to enter text.
Incompatibility with Other Substances	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes, which ones? Strong oxidizing agents

## SECTION 11 — TOXICOLOGICAL INFORMATION

Effects of Acute Exposure	May cause eye irritation
	Click or tap here to enter text.
	Click or tap here to enter text.
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	The product contains no substances which at their given concentration and volumes, are considered to be carcinogenic or toxic to reproduction.
Other	Click or tap here to enter text.

## SECTION 12 — ECOLOGICAL INFORMATION

No information available.

## SECTION 13 — DISPOSAL CONSIDERATIONS

Dispose of product in accordance with local rules and 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. 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.