

## Safety Data Sheet

Classification in accordance with Global Harmonizing System (GHS)

**Note: This product is deemed non-hazardous**

### SECTION 1: Identification of The Substance/Mixture and of the Company Undertaking

#### 1.1 Product Identifier

**Product Name** A-Plus™ Poly(A) Polymerase 4 U/μl  
**Product Number** Component of kit.

#### 1.2 Recommended Use and Restrictions on Use

Enzyme Solution. Avoid concentration of components by evaporation. This product is a laboratory reagent for research and development use only.

#### 1.3 Details of the Supplier of the Safety Data Sheet

Company	CELLSCRIPT™, LLC.
Address	726 Post Rd.
City, State, Zip Code	Madison, WI 53713
Country	USA
Telephone Number	888-826-5586
Email Address	customerservice@cellscript.com
Emergency Telephone Number	1-608-442-6484 Monday to Friday 9am-5pm CST

### SECTION 2: Hazard(s) Identification

This product with the given component concentrations is not considered a hazardous mixture or substance.

**Hazards not otherwise classified:** No data available. This product as provided is not considered a hazardous mixture or substance.

## SECTION 3: Composition / Information on Ingredients

### 3.1 Components of Substance or Mixture

Chemical name	Formula	CAS number	EC number	Concentration
A-Plus™ Poly(A) Polymerase	N/A	N/A	N/A	4 U/μl
Glycerol	C <sub>3</sub> H <sub>5</sub> (OH) <sub>3</sub>	56-81-5	200-289-5	50 %
2-Amino-2-(hydroxymethyl)-1,3-propanediol	C <sub>4</sub> H <sub>11</sub> NO <sub>3</sub>	77-86-1	201-064-4	50 mM
Sodium Chloride	NaCl	7647-14-5	231-598-3	0.5 M
Dithiothreitol	C <sub>4</sub> H <sub>10</sub> O <sub>2</sub> S <sub>2</sub>	3483-12-3	222-468-7	1 mM
EDTA Disodium Dihydrate	C <sub>10</sub> H <sub>14</sub> N <sub>2</sub> Na <sub>2</sub> O <sub>8</sub> •2H <sub>2</sub> O	6381-92-6	205-358-3	0.1 mM
Triton X-100	C <sub>16</sub> H <sub>26</sub> O <sub>2</sub>	9002-93-1	925-964-8	0.1 %

**Impurities:** Not known.

## SECTION 4: First Aid Measures

### 4.1 Description of first aid measures

**Eye:** Gently flush with water, remove contact lenses, if present, hold eye lids open and flush eye with plenty of water (or buffered saline eye wash) for at least 15 minutes. If eye irritation occurs, get medical advice/attention.

**Skin:** Remove contaminated clothing and wash before reuse. Gently wash the contaminated area with plenty of soap and water for at least 15 minutes. If skin irritation or rash develops, get medical advice/attention.

**Inhalation:** Move person to fresh air. If not breathing clear airway and start cardiopulmonary resuscitation (CPR), avoid mouth-to-mouth; give artificial respiration and get medical attention. If respiratory irritation, dizziness, nausea occurs, get medical advice/attention.

**Ingestion:** Rinse mouth with water. Do not induce vomiting. Consult a physician.

### 4.2 Most important symptoms and effects

ACUTE No data available

CHRONIC No data available

### 4.3 Indication of any immediate medical attention and special treatment needed

No data available

## SECTION 5: Fire Fighting Measures

Suitable extinguishing media:	Use water spray, alcohol resistant foam, dry chemical or carbon dioxide.
Unsuitable extinguishing media:	None
Special hazards arising from mixture:	No Data Available.
Advice for firefighters:	Wear self-contained breathing apparatus while extinguishing the fire. Wear appropriate PPE.

## SECTION 6: Accidental Release Measures

### 6.1 Personal precautions and protective equipment (PPE) and emergency procedures.

#### *Personal precautions and protective equipment (PPE):*

Depending on the extent of release, consider the need for trained firefighters/ emergency responders with adequate PPE for cleaning up. Keep unnecessary people away. Wear proper PPE. Do not touch or walk through spilled material. Ensure adequate ventilation.

#### *Environmental precautions:*

Prevent spills from entering storm sewers, drains or waterways. Prevent release to the environment.

#### *Methods and material for containment and cleaning up.*

How to contain spill: Absorb onto inert material (sawdust or absorbent paper).

Cleaning-up methods: Shovel/sweep up debris and store in a sealed plastic container for disposal.

Additional information pertaining to the spill: Bulk materials and spill debris (>10 ml) should be disposed of as hazardous waste.

Reference to other sections: See section 8 for further information on protective clothing and equipment, see section 13 for advice on waste disposal.

## SECTION 7: Handling and Storage

### 7.1 Safe handling

Precautions for safe handling:	Use appropriate personal protective equipment. Do not get in eyes or on skin, breathe vapors or mists. Ensure good ventilation. Remove contaminated clothing and protective equipment when leaving work areas.
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General hygiene advice: Use good industrial hygiene and safety practices. Wash hands before breaks, in use, and at the end of the workday.

Measures to prevent fire: Not available

Measures to prevent aerosol/dust generation: Not available

Measures to protect the environment: Not available

## 7.2 Conditions for safe storage, including any incompatibilities.

Technical measures and storage conditions: Store at -20°C in a freezer without a defrost cycle. Avoid concentration to solids by evaporation.

Packaging materials: Store in original container.

Requirements for storage rooms and vessels: Not available

## SECTION 8: Exposure controls/personal protection

### 8.1 Control Parameters

Chemical Name	Limit Type	Country	Exposure Limit	Information Source
Glycerol (CAS 56-81-5)	TWA	USA	5 mg/m <sup>3</sup> , mist, respirable fraction  15 mg/m <sup>3</sup> , mist, total particulate	Cal/OSHA PEL

### 8.2 Engineering controls

Safety shower, eye wash station, ventilation systems

### 8.3 Personal protection equipment

Eye/face protection: Safety glasses with side shields or goggles approved by government standards such as NIOSH (US), CEN (EU) and WHMIS (CA) should be used.

Skin/body protection: Wear lab coat.

Hand protection: Latex, nitrile or rubber gloves should be worn when handling substance.

Respiratory protection: Use in a well-ventilated area. In case of insufficient ventilation, respirators should be used that have been tested and approved by appropriate government standards such as NIOSH

### 8.4 General health & safety measures

Use clean laboratory practices and personal protection equipment

## 8.5 Environmental exposure controls

Do not let product enter drains.

## SECTION 9: Physical and Chemical Properties

### 9.1 Information on basic physical and chemical properties

Physical state:	Liquid
Appearance/color	Clear
Odor:	Not available
Odor threshold:	Not available
pH:	7.5
Melting point/freezing point:	Not available
Initial boiling point and boiling range:	Not available
Flash Point:	Not available
Evaporation rate:	Not available
Flammability:	Not available
Lower flammability/explosive limit:	Unknown
Upper flammability/explosive limit:	Unknown
Vapor pressure:	Not available
Vapor density:	Not available
Relative density:	Not available
Solubility:	Water soluble
Partition coefficient: n-octanol/water:	Unknown
Auto-ignition temperature:	Unknown
Decomposition temperature:	Unknown
Viscosity:	Unknown
Explosive properties:	None
Oxidizing properties:	None
Other information:	Not available

## SECTION 10: Stability and Reactivity

Reactivity	No data available.
Chemical stability:	The product is stable under normal recommended storage conditions.
Possibility of hazardous reactions:	No data available.
Conditions to avoid:	No data available.

Incompatible materials: Strong oxidizing agents, strong bases.

Hazardous decomposition products: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological Information

Likely routes of exposure: Inhalation; ingestion, eye and skin contact.

### 11.1 Acute effects

Eye: Redness and soreness.  
Skin: Redness, rash, burning, dry and itching skin.  
Inhalation: Nasal irritation, headache, cough, shortness of breath.  
Ingestion: Malaise, dizziness, nausea, gastrointestinal burns.  
Toxicity: Not available.

Skin corrosion/irritation: Mild.  
Serious eye damage/irritation: Mild.  
Respiratory or skin sensitization: Mild.  
STOT-single exposure: Not available  
Chronic health effects: Not available  
Carcinogenicity: Not available  
Germ cell mutagenicity: Not available  
Reproductive toxicity: Not available  
Developmental: Not available  
Fertility: Not available  
STOT-repeated exposure: Not available  
Aspiration hazard: Not available.  
Other information: None

**IARC** No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed carcinogen by the IARC.

**OSHA** No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed carcinogen by the OSHA.

**NTP** No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed carcinogen by the NTP.

## SECTION 12: Ecological Information

### 12.1 Ecotoxicity

Acute toxicity: Not available  
Chronic toxicity: Not available  
Eco/aquatic toxicity: Not available

### 12.2 Persistence and Degradability

Abiotic degradation: Not available

Physical- and photo-chemical elimination: Not available  
Biodegradation: Not available  
Bioaccumulative potential: Not available

### 12.3 Biological oxygen demand

Theoretical oxygen demand at 10 ppm: Not available  
Chemical oxygen demand at 10 ppm: Not available  
Biological oxygen demand-5 at 10 ppm: Not available

### 12.4 Known or predicted distribution to environmental compartments

Surface tension: Not available  
Absorption/desorption: Not available  
Mobility in soil: Not available

### 12.5 Results of PBT and vPvB assessment

PBT results: Not available  
PvB results: Not available

### 12.6 Other adverse effects

Additional information: No known significant effects or critical hazards.

## SECTION 13: Disposal Considerations

### 13.1 Waste treatment methods

Product/packaging disposal: Dispose of material in accordance with all federal, state, and local regulations. Use a licensed professional waste disposal service to dispose of this product

Waste codes/waste designations according to LoW: Unknown

Waste treatment-relevant information: Dispose of material in accordance with all federal, state, and local regulations.

Sewage disposal-relevant information: Prevent material from entering drains, sewer and waterways.

Other disposal recommendations: None

## SECTION 14: Transport Information

This product is classified as not hazardous and is not regulated by US Department of Transportation (DOT), ADR/RID (cross border) IMDG and IATA/ICAO.

UN number:	Not classified
UN proper shipping name:	Not classified
Transport hazard class(es):	Not classified
Packing group:	Not classified
Environmental hazards:	Not available
Special precautions for user:	Do not transport until safety precautions have been read and understood.

## **SECTION 15: Regulatory Information**

### **15.1 Occupational Safety and health Administration (OSHA) Hazards**

Not listed

### **15.2 SARA 302 Components**

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

### **15.3 SARA 313 Components**

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 313.

### **15.4 SARA 311/312 Hazards**

See section 2 for more information.

### **15.5 Pennsylvania Right-To-Know Hazardous Substances**

Glycerol (CAS# 56-81-5): Present

### **15.6. New Jersey Worker and Community Right-To-Know Components**

Glycerol (CAS# 56-81-5): Present

### **15.7 Massachusetts Right-To-Know Substance List**

No ingredients are listed.

### **15.5 California Proposition 65**

This product does not contain any chemicals known to the State of California to cause birth defects or other reproductive harm.

### **15.6 United States of America Toxic Substances Control Act (TSCA) List**

All ingredients except A-Plus Poly(A) Polymerase are listed in the TSCA inventory.

### **15.7 Canada Domestic Substances List / Non-Domestic Substances List (DSL/NDSL)**

All ingredients except A-Plus Poly(A) Polymerase are listed.

### **15.8 European Inventory of Existing Commercial Chemical Substances (EINECS), European List of Notified chemical Substances (ELINCS), and No Longer Polymers (NLP)**

All ingredients except A-Plus Poly(A) Polymerase are listed.



## **SECTION 16: Other Information**

### **16.1 Disclaimer**

The information provided on the SDS is the most accurate information to the best knowledge of CELLSCRIPT, LLC. at this time. The information provided within serves the purpose of guidance for safe handling, use, processing storage, transportation, disposal, and release. This document should not be considered as a warranty or quality specification. The information relates only to the specific material designated and is not valid when used in combination with other materials or within a process. CELLSCRIPT, LLC. assumes no liability for damage resulting from handling or contact with this product.

### **16.4 Document Revision**

Last Revision Date: 08MAY2020

## Safety Data Sheet

Classification in accordance with Global Harmonizing System (GHS)

**Note: This product is deemed non-hazardous**

### SECTION 1: Identification of The Substance/Mixture and of the Company Undertaking

#### 1.1 Product Identifier

**Product Name** 10X A-Plus™ Poly(A) Tailing Buffer

**Product Number** Component of kit.

#### 1.2 Recommended Use and Restrictions on Use

Enzyme reaction buffer. Avoid concentration of components by evaporation. This product is for research and development use only.

#### 1.3 Details of the Supplier of the Safety Data Sheet

Company	CELLSCRIPT™, LLC
Address	726 Post Rd.
City, State, Zip Code	Madison, WI 53713
Country	USA
Telephone Number	888-826-5586
Email Address	customerservice@cellscript.com
Emergency Telephone Number	1-608-442-6484 Monday to Friday 9am-5pm CST

### SECTION 2: Hazard(s) Identification

#### 2.1 Classification of the Substance or Mixture

This product with the given component concentrations is not considered hazardous.

#### 2.2 Hazards not otherwise classified

This product as provided is not considered hazardous.

## SECTION 3: Composition / Information on Ingredients

### 3.1 Components of Substance or Mixture

Chemical name	Formula	CAS number	EC number	Concentration
2-Amino-2-(hydroxymethyl)-1,3-propanediol	C <sub>4</sub> H <sub>11</sub> NO <sub>3</sub>	77-86-1	201-064-4	0.5 M
Sodium Chloride	NaCl	7647-14-5	231-598-3	2.5 M
Magnesium Chloride	MgCl <sub>2</sub> •6H <sub>2</sub> O	7791-18-6	232-094-6	100 mM

**Impurities:** Not known.

## SECTION 4: First Aid Measures

### 4.1 Description of first aid measures

**Eye:** Eye irritation: Remove contact lenses, hold eye lids open and flush eye with plenty of water (or buffered saline eye wash) for at least 15 minutes. If eye irritation occurs, get medical advice/attention.

**Skin:** Remove contaminated clothing and wash before reuse. Gently wash the contaminated area with plenty of soap and water for at least 15 minutes. If skin irritation or rash develops, get medical advice/attention.

**Inhalation:** Move person to fresh air. If not breathing clear airway and start cardiopulmonary resuscitation (CPR), avoid mouth-to-mouth; give artificial respiration and get medical attention. If respiratory irritation, dizziness, nausea occurs, get medical advice/attention.

**Ingestion:** Rinse mouth with water. Do not induce vomiting. Consult a physician.

### 4.2 Most important symptoms and effects

**ACUTE** No data available

**CHRONIC** No data available

### 4.3 Indication of any immediate medical attention and special treatment needed

No data available

## SECTION 5: Fire Fighting Measures

Suitable extinguishing media:	Use water spray, alcohol resistant foam, dry chemical or carbon dioxide.
Unsuitable extinguishing media:	No Data Available.
Special hazards arising from mixture:	No Data Available.
Advice for firefighters:	Wear self-contained breathing apparatus and full protective gear while extinguishing the fire. Avoid concentration to solids by evaporation.

## SECTION 6: Accidental Release Measures

### 6.1 Personal precautions and protective equipment (PPE) and emergency procedures.

#### *Personal precautions and protective equipment (PPE):*

Depending on the extent of release, consider the need for trained firefighters/ emergency responders with adequate PPE for cleaning up. Keep unnecessary people away. Wear proper PPE. Ensure adequate ventilation.

#### *Environmental precautions:*

Prevent spills from entering storm sewers, drains or waterways. Prevent release to the environment.

#### *Methods and material for containment and cleaning up.*

How to contain spill:	Absorb onto inert material (sawdust or absorbent paper).
Cleaning-up methods:	Shovel/sweep up debris and store in a sealed plastic container for disposal.
Reference to other sections:	See section 8 for further information on protective clothing and equipment, see section 13 for advice on waste disposal.

## SECTION 7: Handling and Storage

### 7.1 Safe handling

Precautions for safe handling:	Use appropriate personal protective equipment. Do not get in eyes or on skin, breathe vapors or mists. Ensure good ventilation. Remove contaminated clothing and protective equipment when leaving work areas.
General hygiene advice:	Use good industrial hygiene and safety practices. Wash hands before breaks, in use, and at the end of the workday.
Measures to prevent fire:	Not available
Measures to prevent aerosol/dust generation:	Not available
Measures to protect the environment:	Not available

## 7.2 Conditions for safe storage, including any incompatibilities.

Technical measures and storage conditions:	Store at -20°C in a freezer without a defrost cycle.
Packaging materials:	Store in original container.
Requirements for storage rooms and vessels:	Not available

## SECTION 8: Exposure controls/personal protection

### 8.1 Control Parameters

This product, as supplied, does not contain any hazardous substances with occupational exposure limits established by OSHA.

### 8.2 Engineering controls

Safety shower, eye wash station and ventilation systems.

### 8.3 Personal protection equipment

Eye/face protection:	Safety glasses with side shields or goggles approved by government standards such as NIOSH (US), CEN (EU) and WHMIS (CA).
Skin/body protection:	Wear lab coat.
Hand protection:	Latex, nitrile or rubber gloves should be used when handling substance.
Respiratory protection:	Use in a well-ventilated area. In case of insufficient ventilation, respirators should be used that have been tested and approved by appropriate government standards such as NIOSH.

### 8.4 General health & safety measures

Use clean laboratory practices and personal protection equipment

### 8.5 Environmental exposure controls

Do not let product enter drains.

## SECTION 9: Physical and Chemical Properties

### 9.1 Information on basic physical and chemical properties

Physical state:	Liquid
Appearance/color	Clear
Odor:	Not available
Odor threshold:	None
pH:	Not available
Melting point/freezing point:	Not available
Initial boiling point and boiling range:	Not available
Flash Point:	Not available
Evaporation rate:	Not available
Flammability:	Not available
Lower flammability/explosive limit:	Unknown
Upper flammability/explosive limit:	Unknown
Vapor pressure:	Not available
Vapor density:	Not available
Relative density:	Not available
Solubility:	Water soluble
Partition coefficient: n-octanol/water:	Unknown
Auto-ignition temperature:	Unknown
Decomposition temperature:	Unknown
Viscosity:	Unknown
Explosive properties:	Unknown
Oxidizing properties:	Unknown
Other information:	Not available

## SECTION 10: Stability and Reactivity

Reactivity	No data available.
Chemical stability:	Avoid concentration of liquid, stable under normal recommended storage and usage conditions.
Possibility of hazardous reactions:	No data available.
Conditions to avoid:	Avoid concentration of liquid mixture to solids.
Incompatible materials:	Strong oxidizing agents, bases.
Hazardous decomposition products:	No data available.

## SECTION 11: Toxicological Information

Likely routes of exposure: Inhalation; ingestion, eye and skin contact.

### 11.1 Acute effects

Eye: Not available.  
Skin: Not available.  
Inhalation: Not available.  
Ingestion: Not available.  
Toxicity: Not available.

Skin corrosion/irritation: Not available  
Serious eye damage/irritation: Not available  
Respiratory or skin sensitization: Not available.  
STOT-single exposure: Not available  
Chronic health effects: Not available  
Carcinogenicity: Not available  
Germ cell mutagenicity: Not available  
Reproductive toxicity: Not available  
Developmental: Not available  
Fertility: Not available  
STOT-repeated exposure: Not available  
Aspiration hazard: Not available.  
Other information: None

**IARC** No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed carcinogen by the IARC.

**OSHA** No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed carcinogen by the OSHA.

**NTP** No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed carcinogen by the NTP.

## SECTION 12: Ecological Information

### 12.1 Ecotoxicity

Acute toxicity: Not available  
Chronic toxicity: Not available  
Eco/aquatic toxicity: Not available

### 12.2 Persistence and Degradability

Abiotic degradation: Not available  
Physical- and photo-chemical elimination: Not available  
Biodegradation: Not available  
Bioaccumulative potential: Not available

### 12.3 Biological oxygen demand

Theoretical oxygen demand at 10 ppm:	Not available
Chemical oxygen demand at 10 ppm:	Not available
Biological oxygen demand-5 at 10 ppm:	Not available

### 12.4 Known or predicted distribution to environmental compartments

Surface tension:	Not available
Absorption/desorption:	Not available
Mobility in soil:	Not available

### 12.5 Results of PBT and vPvB assessment

PBT results:	Not available
PvB results:	Not available

### 12.6 Other adverse effects

Additional information:	None
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## SECTION 13: Disposal Considerations

### 13.1 Waste treatment methods

Product/packaging disposal:	Dispose of material in accordance with all federal, state, and local regulations. Use a licensed professional waste disposal service to dispose of this product.
Waste codes/waste designations according to LoW:	Unknown
Waste treatment-relevant information:	Dispose of material in accordance with all federal, state, and local regulations.
Sewage disposal-relevant information:	Prevent material from entering drains, sewer and waterways.
Other disposal recommendations:	None

## SECTION 14: Transport Information

This product, as supplied, is not considered hazardous and is not regulated by US Department of Transportation (DOT), ADR/RID (cross border) IMDG and IATA/ICAO.

UN number:	Not classified
UN proper shipping name:	Not classified
Transport hazard class(es):	Not classified
Packing group:	Not classified
Environmental hazards:	Not available
Special precautions for user:	Do not transport until safety precautions have been read and understood.



## **SECTION 15: Regulatory Information**

### **15.1 Occupational Safety and health Administration (OSHA) Hazards**

Not listed

### **15.2 SARA 302 Components**

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

### **15.3 SARA 313 Components**

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 313.

### **15.4 SARA311/312 Hazards**

See section 2 for more information.

### **15.5 California Proposition 65**

This product does not contain any chemicals known to the State of California to cause birth defects or other reproductive harm.

### **15.6 United States of America Toxic Substances Control Act (TSCA) List**

All ingredients are listed in the TSCA inventory.

### **15.7 Canada Domestic Substances List / Non-Domestic Substances List (DSL/NDSL)**

All ingredients are listed.

### **15.8 European Inventory of Existing Commercial Chemical Substances (EINECS), European List of Notified chemical Substances (ELINCS), and No Longer Polymers (NLP)**

All ingredients are listed.

## **SECTION 16: Other Information**

### **16.1 Disclaimer**

The information provided on the SDS is the most accurate information to the best knowledge of CELLSCRIPT, LLC at this time. The information provided within serves the purpose of guidance for safe handling, use, processing storage, transportation, disposal, and release. This document should not be considered as a warranty or quality specification. The information relates only to the specific material designated and is not valid when used in combination with other materials or within a process. CELLSCRIPT, LLC assumes no liability for damage resulting from handling or contact with this product.

### **16.2 Document Revision**

Last Revision Date: 24JUN2024

## Safety Data Sheet

Classification in accordance with Global Harmonizing System (GHS)

**Note: This product is deemed non-hazardous**

### SECTION 1: Identification of The Substance/Mixture and of the Company Undertaking

#### 1.1 Product Identifier

**Product Name** 10 mM ATP  
**Product Number** Component of kit.

#### 1.2 Recommended Use and Restrictions on Use

Avoid concentration of components by evaporation. This product is a laboratory reagent for research and development use only.

#### 1.3 Details of the Supplier of the Safety Data Sheet

Company	CELLSCRIPT™, LLC.
Address	726 Post Rd.
City, State, Zip Code	Madison, WI 53713
Country	USA
Telephone Number	888-826-5586
Email Address	customerservice@cellscript.com
Emergency Telephone Number	1-608-442-6484 Monday to Friday 9am-5pm CST

### SECTION 2: Hazard(s) Identification

#### 2.1 Classification of the Substance or Mixture

This product with the given component concentrations is not considered hazardous.

#### 2.2 Hazards not otherwise classified

This product as provided is not considered hazardous.

## SECTION 3: Composition / Information on Ingredients

### 3.1 Components of Substance or Mixture

Chemical name	Formula	CAS number	EC number	Concentration
Adenosine 5'-triphosphate, sodium salt	$C_{10}H_{14}N_5O_{13}P_3 \cdot Na_2 \cdot H_2O$	34369-07-8	213-579-1	10 mM

**Impurities:** Not known.

## SECTION 4: First Aid Measures

### 4.1 Description of first aid measures

**Eye:** Gently flush with water, remove contact lenses, if present, hold eye lids open and flush eye with plenty of water (or buffered saline eye wash) for at least 15 minutes. If eye irritation occurs, get medical advice/attention.

**Skin:** Remove contaminated clothing and wash before reuse. Gently wash the contaminated area with plenty of soap and water for at least 15 minutes. If skin irritation or rash develops, get medical advice/attention.

**Inhalation:** Move person to fresh air. If not breathing clear airway and start cardiopulmonary resuscitation (CPR), avoid mouth-to-mouth; give artificial respiration and get medical attention. If respiratory irritation, dizziness, nausea occurs, get medical advice/attention.

**Ingestion:** Rinse mouth with water. Do not induce vomiting. Consult a physician.

### 4.2 Most important symptoms and effects

ACUTE No data available  
CHRONIC No data available

### 4.3 Indication of any immediate medical attention and special treatment needed

No data available

## SECTION 5: Fire Fighting Measures

Suitable extinguishing media:	Use water spray, alcohol resistant foam, dry chemical or carbon dioxide.
Unsuitable extinguishing media:	No Data Available.
Special hazards arising from mixture:	No Data Available.
Advice for firefighters:	Wear self-contained breathing apparatus and adequate PPE while extinguishing the fire.

## SECTION 6: Accidental Release Measures

### 6.1 Personal precautions and protective equipment (PPE) and emergency procedures.

#### *Personal precautions and protective equipment (PPE):*

Depending on the extent of release, consider the need for trained firefighters/ emergency responders with adequate PPE for cleaning up. Keep unnecessary people away. Wear proper PPE. Do not touch or walk through spilled material.

#### *Environmental precautions:*

Prevent spills from entering storm sewers, drains or waterways. Prevent release to the environment.

#### *Methods and material for containment and cleaning up.*

How to contain spill: Absorb onto inert material (sawdust or absorbent paper).

Cleaning-up methods: Shovel/sweep up debris and store in a sealed plastic container for disposal.

Reference to other sections: See section 8 for further information on protective clothing and equipment, see section 13 for advice on waste disposal.

## SECTION 7: Handling and Storage

### 7.1 Safe handling

Precautions for safe handling:	Use appropriate personal protective equipment. Do not get in eyes or on skin, breathe vapors or mists. Remove contaminated clothing and protective equipment when leaving work areas.
General hygiene advice:	Use good industrial hygiene and safety practices. Wash hands before breaks, in use, and at the end of the workday.
Measures to prevent fire:	Not available
Measures to prevent aerosol/dust generation:	Not available
Measures to protect the environment:	Not available

## 7.2 Conditions for safe storage, including any incompatibilities.

Technical measures and storage conditions:	Store at -20°C in a freezer without a defrost cycle.
Packaging materials:	Store in original container.
Requirements for storage rooms and vessels:	Not available

## SECTION 8: Exposure controls/personal protection

### 8.1 Control Parameters

This product, as supplied, does not contain any hazardous substances with occupational exposure limits established by OSHA.

### 8.2 Engineering controls

Safety shower, eye wash station and ventilation systems.

### 8.3 Personal protection equipment

Eye/face protection:	Safety glasses with side shields or goggles approved by government standards such as NIOSH (US), CEN (EU) and WHMIS (CA) should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes or mists.
Skin/body protection:	Wear lab coat.
Hand protection:	Latex, nitrile or rubber gloves should be worn when handling substance.
Respiratory protection:	Ensure adequate ventilation. In case of insufficient ventilation, respirators should be used that have been tested and approved by appropriate government standards such as NIOSH.

### 8.4 General health & safety measures

Use clean laboratory practices and personal protection equipment

### 8.5 Environmental exposure controls

Do not let product enter drains.

## SECTION 9: Physical and Chemical Properties

### 9.1 Information on basic physical and chemical properties

Physical state:	Liquid
Appearance/color	Clear
Odor:	Odorless
Odor threshold:	None
pH:	Not available
Melting point/freezing point:	Not available
Initial boiling point and boiling range:	Not available
Flash Point:	Not available
Evaporation rate:	Not available
Flammability:	Not available
Lower flammability/explosive limit:	Not available
Upper flammability/explosive limit:	Not available
Vapor pressure:	Not available
Vapor density:	Not available
Relative density:	Not available
Solubility:	Water soluble
Partition coefficient: n-octanol/water:	Unknown
Auto-ignition temperature:	Unknown
Decomposition temperature:	Unknown
Viscosity:	Unknown
Explosive properties:	Unknown
Oxidizing properties:	Unknown
Other information:	Not available

## SECTION 10: Stability and Reactivity

Reactivity:	No data available.
Chemical stability:	The product is stable under normal storage and usage conditions.
Possibility of hazardous reactions:	Under recommended conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid:	No data available.
Incompatible materials:	Strong oxidizing agents.
Hazardous decomposition products:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological Information

Likely routes of exposure: Inhalation; ingestion, eye and skin contact.

### 11.1 Acute effects

Eye: Not available  
Skin: Not available.  
Inhalation: Not available.  
Ingestion: Not available.  
Toxicity: Not available.

Skin corrosion/irritation: Not available.  
Serious eye damage/irritation: Not available.  
Respiratory or skin sensitization: Not available.  
STOT-single exposure: Not available  
Chronic health effects: Not available  
Carcinogenicity: Not available  
Germ cell mutagenicity: Not available  
Reproductive toxicity: Not available  
Developmental: Not available  
Fertility: Not available  
STOT-repeated exposure: Not available  
Aspiration hazard: Not available.  
Other information: None

**IARC** No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed carcinogen by the IARC.

**OSHA** No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed carcinogen by the OSHA.

**NTP** No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed carcinogen by the NTP.

## **SECTION 12: Ecological Information**

### **12.1 Ecotoxicity**

Acute toxicity:	Not available
Chronic toxicity:	Not available
Eco/aquatic toxicity:	Not available

### **12.2 Persistence and Degradability**

Abiotic degradation:	Not available
Physical- and photo-chemical elimination:	Not available
Biodegradation:	Not available
Bioaccumulative potential:	Not available

### **12.3 Biological oxygen demand**

Theoretical oxygen demand at 10 ppm:	Not available
Chemical oxygen demand at 10 ppm:	Not available
Biological oxygen demand-5 at 10 ppm:	Not available

### **12.4 Known or predicted distribution to environmental compartments**

Surface tension:	Not available
Absorption/desorption:	Not available
Mobility in soil:	Not available

### **12.5 Results of PBT and vPvB assessment**

PBT results:	Not available
PvB results:	Not available

### **12.6 Other adverse effects**

Additional information:	No known significant effects or critical hazards.
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## SECTION 13: Disposal Considerations

### 13.1 Waste treatment methods

Product/packaging disposal:	Dispose of material in accordance with all federal, state, and local regulations. Use a licensed professional waste disposal service to dispose of this product. Product may be dissolved in a combustible solvent or absorbed onto a combustible material and burned by chemical incinerator.
Waste codes/waste designations according to LoW:	Unknown
Waste treatment-relevant information:	Dispose of material in accordance with all federal, state, and local regulations.
Sewage disposal-relevant information:	Prevent material from entering drains, sewer and waterways.
Other disposal recommendations:	None

## SECTION 14: Transport Information

This product is not considered hazardous and is not regulated by US Department of Transportation (DOT), ADR/RID (cross border) IMDG and IATA/ICAO.

UN number:	Not classified
UN proper shipping name:	Not classified
Transport hazard class(es):	Not classified
Packing group:	Not classified
Environmental hazards:	Not available
Special precautions for user:	Do not transport until safety precautions have been read and understood.

## SECTION 15: Regulatory Information

### 15.1 Occupational Safety and health Administration (OSHA) Hazards

Not listed

### 15.2 SARA 302 Components

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

### 15.3 SARA 313 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 313.

#### **15.4 SARA311/312 Hazards**

See section 2 for more information.

#### **15.5 California Proposition 65**

This product does not contain any chemicals known to the State of California to cause birth defects or other reproductive harm.

#### **15.6 United States of America Toxic Substances Control Act (TSCA) List**

Ingredients are not listed in the TSCA inventory; for research use only.

#### **15.7 Canada Domestic Substances List / Non-Domestic Substances List (DSL/NDSL)**

Ingredients are not listed; for research use only.

#### **15.8 European Inventory of Existing Commercial Chemical Substances (EINECS), European List of Notified chemical Substances (ELINCS), and No Longer Polymers (NLP)**

All ingredients are listed.

### **SECTION 16: Other Information**

#### **16.1 Disclaimer**

The information provided on the SDS is the most accurate information to the best knowledge of CELLSCRIPT, LLC. at this time. The information provided within serves the purpose of guidance for safe handling, use, processing storage, transportation, disposal, and release. This document should not be considered as a warranty or quality specification. The information relates only to the specific material designated and is not valid when used in combination with other materials or within a process. CELLSCRIPT, LLC. assumes no liability for damage resulting from handling or contact with this product.

#### **16.4 Document Revision**

Last Revision Date: 07JAN2021

## Safety Data Sheet

Classification in accordance with Global Harmonizing System (GHS)

**Note: This product is deemed non-hazardous**

### SECTION 1: Identification of The Substance/Mixture and of the Company Undertaking

#### 1.1 Product Identifier

**Product Name** RNase-Free Water

**Product Number** Component of kit.

#### 1.2 Recommended Use and Restrictions on Use

This product is a laboratory reagent for research and development use only.

#### 1.3 Details of the Supplier of the Safety Data Sheet

Company	CELLSCRIPT™, LLC
Address	726 Post Rd.
City, State, Zip Code	Madison, WI 53713
Country	USA
Telephone Number	888-826-5586
Email Address	customerservice@cellscript.com
Emergency Telephone Number	1-608-442-6484 Monday to Friday 9am-5pm CST

### SECTION 2: Hazard(s) Identification

#### 2.1 Classification of the Substance or Mixture

This product is not considered hazardous.

#### 2.2 Signal Word

None, not considered hazardous as supplied.

#### 2.3 Hazard Statements

None, not considered hazardous as supplied.

## 2.4 Pictograms

None

## 2.5 Precautionary Statements

None, not considered hazardous as supplied.

## 2.6 Hazards not otherwise classified

No data available. This product as provided is not considered a hazardous mixture or substance.

## SECTION 3: Composition / Information on Ingredients

### 3.1 Components of Substance or Mixture

Chemical name	Formula	CAS number	EC number	Concentration
Water	H <sub>2</sub> O	7732-18-5	231-791-2	N/A

**Impurities:** Not Known.

## SECTION 4: First Aid Measures

### 4.1 Description of first aid measures

**Eye:** Gently flush with water, remove contact lenses, if present, hold eye lids open and flush eye with plenty of water (or buffered saline eye wash) for at least 15 minutes. If eye irritation occurs, get medical advice/attention.

**Skin:** Gently wash the contaminated area with plenty of soap and water for at least 15 minutes.

**Inhalation:** Not expected to be an inhalation hazard under anticipated normal use conditions. If feeling unwell, consult a physician.

**Ingestion:** Rinse mouth with water. Do not induce vomiting. If feeling unwell, consult a physician.

### 4.2 Most important symptoms and effects, both acute and chronic

**Acute and Delayed:** No data available

**Chronic:** No data available

### 4.3 Indication of any immediate medical attention and special treatment needed

No data available

## SECTION 5: Fire Fighting Measures

Suitable extinguishing media:	Use water spray, alcohol resistant foam, dry chemical or carbon dioxide.
Unsuitable extinguishing media:	No Data Available.
Special hazards arising from mixture:	No Data Available.
Advice for firefighters:	Wear self-contained breathing apparatus and full protective gear while extinguishing the fire.

## SECTION 6: Accidental Release Measures

### 6.1 Personal precautions and protective equipment (PPE) and emergency procedures.

#### *Personal precautions and protective equipment (PPE):*

Keep unnecessary people away from spill. Wear proper PPE for clean up. Do not touch or walk through spilled material. Ensure adequate ventilation.

#### *Environmental precautions:*

No special environmental precautions known.

#### *Methods and material for containment and cleaning up.*

How to contain spill:	Absorb onto inert material (sawdust or absorbent paper).
Cleaning-up methods:	Shovel/sweep up debris and store in a sealed plastic container for disposal.
Reference to other sections:	See section 8 for further information on protective clothing and equipment, see section 13 for advice on waste disposal.

## SECTION 7: Handling and Storage

### 7.1 Safe handling

Precautions for safe handling:	Ensure adequate ventilation/exhaustion. Use appropriate personal protective equipment. Do not get in eyes or on skin, breathe vapors or mists. Remove contaminated clothing and protective equipment when leaving work areas.
General hygiene advice:	Use good industrial hygiene and safety practices. Wash hands before breaks, in use, and at the end of the workday.
Measures to prevent fire:	Not available
Measures to prevent aerosol/dust generation:	Not available
Measures to protect the environment:	Not available

## 7.2 Conditions for safe storage, including any incompatibilities.

Technical measures and storage conditions:	Store at -20°C in a freezer without a defrost cycle.
Packaging materials:	Store in original container.
Requirements for storage rooms and vessels:	No data available

## SECTION 8: Exposure controls/personal protection

### 8.1 Control Parameters

This product, as supplied, does not contain any hazardous substances with occupational exposure limits established by OSHA.

### 8.2 Engineering controls

Safety shower, eye wash station and ventilation systems.

### 8.3 Personal protection equipment

Eye/face protection:	Safety glasses with side shields or goggles approved by government standards such as NIOSH (US), CEN (EU) and WHMIS (CA) should be used.
Skin/body protection:	Wear lab coat.
Hand protection:	Latex, nitrile or rubber gloves should be worn when handling substance.
Respiratory protection:	Use in well ventilated area. In case of insufficient ventilation, respirators should be used that have been tested and approved by appropriate government standards such as NIOSH.

### 8.4 General health & safety measures

Use clean laboratory practices and personal protection equipment

### 8.5 Environmental exposure controls

No special environmental precautions known.

## SECTION 9: Physical and Chemical Properties

### 9.1 Information on basic physical and chemical properties

Physical state:	Liquid
Appearance/color	Clear
Odor:	Odorless
Odor threshold:	Not available
pH:	Not available
Melting point/freezing point:	0 °C
Initial boiling point and boiling range:	100 °C
Flash Point:	Not available
Evaporation rate:	Not available
Flammability:	Not available
Lower flammability/explosive limit:	Unknown
Upper flammability/explosive limit:	Unknown
Vapor pressure:	Not available
Vapor density:	Not available
Relative density:	1.0
Solubility:	Water soluble
Partition coefficient: n-octanol/water:	Unknown
Auto-ignition temperature:	Unknown
Decomposition temperature:	Unknown
Viscosity:	Unknown
Explosive properties:	Unknown
Oxidizing properties:	Unknown
Other information:	Not available

## SECTION 10: Stability and Reactivity

Reactivity:	No dangerous reactions known under recommended storage and usage conditions.
Chemical stability:	The product is stable under recommended storage and usage conditions.
Possibility of hazardous reactions:	Under recommended conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid:	No data available.
Incompatible materials:	No data available.
Hazardous decomposition products:	No data available.

## SECTION 11: Toxicological Information

Likely routes of exposure: Inhalation, ingestion, eye and skin contact.

### 11.1 Acute effects

Eye: No data available.  
Skin: No data available.  
Inhalation: No data available.  
Ingestion: No data available.  
Toxicity: No data available.

Chronic health effects: Not available  
Carcinogenicity: Not available  
Germ cell mutagenicity: Not available  
Reproductive toxicity: Not available  
Developmental: Not available  
Fertility: Not available  
STOT-repeated exposure: Not available  
Aspiration hazard: Not available.  
Other information: None

**IARC** No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed carcinogen by the IARC.

**OSHA** No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed carcinogen by the OSHA.

**NTP** No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed carcinogen by the NTP.

## SECTION 12: Ecological Information

### 12.1 Ecotoxicity

Acute toxicity: Not available  
Chronic toxicity: Not available  
Eco/aquatic toxicity: Not available

### 12.2 Persistence and Degradability

Abiotic degradation: Not available  
Physical- and photo-chemical elimination: Not available  
Biodegradation: Not available  
Bioaccumulative potential: Not available



### 12.3 Biological oxygen demand

Theoretical oxygen demand at 10 ppm:	Not available
Chemical oxygen demand at 10 ppm:	Not available
Biological oxygen demand-5 at 10 ppm:	Not available

### 12.4 Known or predicted distribution to environmental compartments

Surface tension:	Not available
Absorption/desorption:	Not available
Mobility in soil:	Not available

### 12.5 Results of PBT and vPvB assessment

PBT results:	Not available
PvB results:	Not available

### 12.6 Other adverse effects

Additional information:	No Data Available.
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## SECTION 13: Disposal Considerations

### 13.1 Waste treatment methods

Product/package disposal:	Dispose of material in accordance with all federal, state, and local regulations.
Waste codes/waste designations according to LoW:	Unknown
Waste treatment-relevant information:	Dispose of material in accordance with all federal, state, and local regulations.
Sewage disposal-relevant information:	Not available.
Other disposal recommendations:	None

## SECTION 14: Transport Information

This product is not regulated as dangerous goods by US Department of Transportation (DOT), ADR/RID (cross border) IMDG and IATA/ICAO.

UN number:	Not classified
UN proper shipping name:	Not classified
Transport hazard class(es):	Not classified
Packing group:	Not classified
Environmental hazards:	Not available
Special precautions for user:	Do not transport until safety precautions have been read and understood.

## **SECTION 15: Regulatory Information**

### **15.1 Occupational Safety and health Administration (OSHA) Hazards**

Not listed

### **15.2 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.

### **15.3 Massachusetts Right-To-Know Substance List**

Not listed

### **15.4 Pennsylvania Right-To-Know hazardous Substances**

Not listed

### **15.5 New Jersey Worker and Community Right-To-Know components**

Not listed

### **15.6 California Proposition 65**

This product does not contain any chemicals known to the State of California to cause birth defects or other reproductive harm.

### **15.7 United States of America Toxic Substances Control Act (TSCA) List**

Listed in the TSCA Inventory.

### **15.8 Canada Domestic Substances List / Non-Domestic Substances List (DSL/NDSL)**

Listed.

### **15.9 European Inventory of Existing Commercial Chemical Substances (EINECS), European List of Notified chemical Substances (ELINCS), and No Longer Polymers (NLP)**

Listed.

## **SECTION 16: Other Information**

### **16.1 Disclaimer**

The information provided on the SDS is the most accurate information to the best knowledge of CELLSCRIPT, LLC at this time. The information provided within serves the purpose of guidance for safe handling, use, processing storage, transportation, disposal, and release. This document should not be considered as a warranty or quality specification. The information relates only to the specific material designated and is not valid when used in combination with other materials or within a process. CELLSCRIPT, LLC assumes no liability for damage resulting from handling or contact with this product.

### **16.2 Document Revision**

Last Revision Date: 24JUN2024