IMCMY250225 INCOGNITO™ T7 mScript™ Complete N1meΨ-mRNA Production System SDS Checklist

Safety Data Sheet T7 mScript™ Enzyme Solution	2
Safety Data Sheet T7 mScript Enzyme Solution.docm	
Safety Data Sheet 10X T7 mScript™ Transcription Buffer II	
Safety Data Sheet 10X T7 mScript Transcription Buffer II.docm	
Safety Data Sheet 100 mM DTT	
TECHDOC-0013 Safety Data Sheet 100 mM DTT.docm	
Safety Data Sheet 25 mM N1meΨTP PreMix	
Safety Data Sheet 25 mM N1meΨTP PreMix.docm	31
Safety Data Sheet RNase-Free DNase I, 1 U_µl	
TECHDOC-0018 Safety Data Sheet RNase-free DNase I.docm	40
Safety Data Sheet ScriptCap™ Capping Enzyme	
Safety Data Sheet ScriptCap Capping Enzyme.docm	
Safety Data Sheet ScriptCap™ 2'-O-Methyltransferase	
Safety Data Sheet 2'-O-Methyltransferase.docm	58
Safety Data Sheet 10X ScriptCap [™] Capping Buffer	67
Safety Data Sheet 10X ScriptCap Capping Buffer (1).docm	
Safety Data Sheet 20 mM S-adenosyl-methionine (SAM)	
Safety Data Sheet 20 mM SAM.docm	
Safety Data Sheet 20 mM GTP	85
TECHDOC-0012 Safety Data Sheet 20 mM GTP.docm	85
Safety Data Sheet A-Plus [™] Poly(A) Polymerase 4 U_µl	
Safety Data Sheet A-Plus Poly(A) Polymerase (1).docm	94
Safety Data Sheet 10X A-Plus™ Poly(A) Tailing Buffer	
TECHDOC-0029 Safety Data Sheet 10X A-Plus Poly(A) Tailing Buffer (1).docm	103
Safety Data Sheet 20 mM ATP	
Safety Data Sheet 20 mM ATP (1).docm	112
Safety Data Sheet Min-Immune™ Gold RNase III	121
Safety Data Sheet Min-Immune Gold RNase III.docm	
Safety Data Sheet Min-Immune™ Gold 10X RNase III Treatment Buffer	130
Safety Data Sheet Min-Immune Gold 10X RNase III Treatment Buffer.docm	130
Safety Data Sheet ScriptGuard™ RNase Inhibitor	
TECHDOC-0014 Safety Data Sheet ScriptGuard (1).docm	139
Safety Data Sheet RNase-Free Water	148
TECHDOC-0015 Safety Data Sheet RNase-free Water (1).docm	148
Safety Data Sheet 5 M Ammonium Acetate	157
TECHDOC-0021 Safety Data Sheet 5M Ammonium Acetate (1).docm	
Safety Data Sheet T7 Control Template DNA	
TECHDOC-0019 Safety Data Sheet T7 Control Template DNA 15-NOV-2024 (1).docm	166



www.biozym.com Art. Nr.: 150390



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: T7 mScript™ Enzyme Solution

Product Number: Component of kit.

Other means

of identification: None

1.2 Recommended Use and Restrictions on Use

Enzyme solution. Use within prescribed temperature parameters. 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™ 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 8am-4pm CST

SECTION 2: Hazard(s) Identification

2.1 Classification of the Substance or Mixture

This product, as supplied, is not considered hazardous.

2.2 GHS Label elements, including precautionary statements

This product, as supplied, is not considered hazardous.

2.3 Hazards not otherwise classified

This product, as supplied, 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
Glycerol	C ₃ H ₅ (OH) ₃	56-81-5	200-289-5	Proprietary
Ethylenediaminetetraacetic acid (EDTA) disodium dihydrate	C ₁₀ H ₁₄ N ₂ Na ₂ O ₈ •2H ₂ O	6381-92-6	205-358-3	Proprietary
Other proprietary components are not considered hazardous.				

Impurities: Not known.

SECTION 4: First Aid Measures

4.1 Description of first aid measures

Eye: 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. If feeling unwell, get

medical advice/attention.

4.2 Most important symptoms and effects

ACUTE No data available 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: Carbon oxides, nitrogen oxides, sodium oxides,

and sulfur oxide gas may be produced under fire

conditions.

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 (see section 8). 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. Bulk materials and spill debris 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.

TECHDOC-0043 Revision: 03 4 of 174 Last Revision Date: 03 Jan 2025

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:

Measures to prevent aerosol/dust generation:

Measures to protect the environment:

Not available

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. Do not store at -70°C. Store in original container.

Packaging materials: Store in origin Requirements for storage rooms and vessels: Not available

Incompatible materials: Strong oxidizing agents, bases, alkali

metals, and reducing agents.

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/m³, mist, respirable fraction 15 mg/m³, mist, total particulate	Cal/OSHA PEL

Limit Types: Occupational exposure limits (OELs), permissible exposure limits (PELs), threshold limit values (TLVs) or time-weighted average (TWA).

TWA is a measurement of a worker's average exposure to a hazardous substance or airborne pollutant over a set period of time (e.g., 8 hr, 1 week).

8.2 Engineering controls

Safety shower, eye wash station and ventilation systems.

TECHDOC-0043 Revision: 03 5 of 174 Last Revision Date: 03 Jan 2025

8.3 Personal protection equipment & measures

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 worn.

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.

Hygiene measures: Handle in accordance with good industrial hygiene and safety

practice.

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:

Appearance/color
Odor:
Odor threshold:
pH:

Liquid
Clear
None
None

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

TECHDOC-0043 Revision: 03 6 of 174 Last Revision Date: 03 Jan 2025

SECTION 10: Stability and Reactivity

Reactivity: No data available.

Chemical stability: 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, alkali metals, and reducing

agents.

Hazardous decomposition products: Under normal conditions of storage and use, hazardous

decomposition products should not be produced. Hazardous decomposition products formed under fire

conditions. See section 5 in the event of a fire.

SECTION 11: Toxicological Information

11.1 Routes of Exposure

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

None

11.2 Potential Health Effects

Not available Eve: 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

11.3 Numerical measures of toxicity

No data available

Other information:

11.4 Symptoms

Symptoms related to the physical, chemical, and toxicological characteristics:

No data available

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:

Physical- and photo-chemical elimination:

Biodegradation:

Bioaccumulative potential:

Not available

Not available

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:

Absorption/desorption:

Mot available

Not available

Not available

Not available

12.5 Results of PBT and vPvB assessment

PBT results:

PvB results:

Not available

Not available

12.6 Other adverse effects

Additional information: None

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 regulated by US Department of Transportation (DOT), ADR/RID (cross border) IMDG and IATA/ICAO.

UN number:
UN proper shipping name:
Not available
Transport hazard class(es):
Packing group:
Environmental hazards:
Not available
Not available
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 Section 302.

15.3 SARA 313 Components

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

15.4 SARA 311/312 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

Ethylenediaminetetraacetic acid, disodium salt (CAS# 6381-92-6) and RNA polymerase are not listed in the TSCA. Remaining ingredients are listed in the TSCA inventory.

15.7 Canada Domestic Substances List / Non-Domestic Substances List (DSL/NDSL)
All ingredients are listed except RNA polymerase.

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™ 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™ assumes no liability for damage resulting from handling or contact with this product.

16.2 Document Revision

See the document footer for the last revision date.

TECHDOC-0043 Revision: 03 10 of 174 Last Revision Date: 03 Jan 2025



Safety Data Sheet

Classification in accordance with Global Harmonizing System (GHS)

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

1.1 Product Identifier

Product Name: 10X T7 mScript™ Transcription Buffer II

Product Number: Component of kit.

Other means

of identification: None

1.2 Recommended Use and Restrictions on Use

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™ 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 8am-4pm CST

SECTION 2: Hazard(s) Identification

2.1 Classification of the Substance or Mixture

Skin Irritation (category 2), H315 Eye Irritation (category 2A), H319

2.2 GHS Label elements, including precautionary statements



Pictogram

Signal Word Warning

Hazard Statement(s)

H315 Causes skin irritation. H319 Causes eye irritation.

Precautionary Statement(s)

P264 Wash skin thoroughly after handling.

P280 Wear protective gloves/ eye protection/ face protection.
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water. Remove contacts, if

present and easy to do, and continue rinsing.

P332 + P313 If skin irritation occurs: get medical advice/attention
P337 + P313 If eye irritation persists: get medical advice/attention.
P362 Remove contaminated clothing and wash before reuse.

2.3 Hazards not otherwise classified

None

SECTION 3: Composition / Information on Ingredients

3.1 Components of Substance or Mixture

Chemical name	Formula	CAS number	EC number	Concentration
Proprietary	N/A	N/A	N/A	N/A

Impurities: Not known.

SECTION 4: First Aid Measures

4.1 Description of first aid measures

Eye: 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

H315 Causes skin irritation H319 Causes eye irritation

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: Carbon oxides, sulphur oxides and nitrogen oxides

may be produced under fire conditions.

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):

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 (see section 8). 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. Bulk materials and spill debris 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.

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:

Mot 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. Do not store at -70°C. Known to be

hygroscopic.

Packaging materials:

Requirements for storage rooms and vessels:

Incompatible materials:

Store in original container. Store in well-ventilated area. Strong oxidizing agents, acid, acid

chlorides, acid anhydrides.

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 & measures

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 worn.

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.

Hygiene measures: Handle in accordance with good industrial hygiene and safety

practice.

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 Not available pH: 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: 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, acid, acid chlorides, acid

anhydrides.

Hazardous decomposition products: Under normal conditions of storage and use, hazardous

decomposition products should not be produced. Hazardous decomposition products formed under fire

conditions. See section 5 in the event of a fire.

SECTION 11: Toxicological Information

11.1 Routes of Exposure

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

11.2 Potential Health Effects

Eye: Causes eye irritation Skin: Causes skin irritation

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

11.3 Numerical measures of toxicity

No data available

11.4 Symptoms

Symptoms related to the physical, chemical, and toxicological characteristics:

No data available

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:

Chronic toxicity:

Not available

Eco/aquatic toxicity:

Not available

12.2 Persistence and Degradability

Abiotic degradation:

Physical- and photo-chemical elimination:

Biodegradation:

Bioaccumulative potential:

Not available

Not available

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:

Absorption/desorption:

Mot available

Not available

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

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 regulated by US Department of Transportation (DOT), ADR/RID (cross border) IMDG and IATA/ICAO.

UN number:
UN proper shipping name:
Not available
Not available
Transport hazard class(es):
Packing group:
Not available
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 Section 302.

15.3 SARA 313 Components

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

15.4 SARA 311/312 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™ 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™ assumes no liability for damage resulting from handling or contact with this product.

16.2 Document Revision

See the document footer for the last revision date.



Safety Data Sheet

Classification in accordance with Global Harmonizing System (GHS)

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

1.1 Product Identifier

100 mM DTT **Product Name: Product Number:** Component of kit.

Other means

of identification: DL-Dithiothreitol, Cleland's reagent, threo-1,4-Dimercapto-2,3-butanediol

solution

1.2 Recommended Use and Restrictions on Use

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

CELLSCRIPT™ Company 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 8am-4pm CST

SECTION 2: Hazard(s) Identification

2.1 Classification of the Substance or Mixture

Acute Toxicity, Oral (category 4), H302 Skin irritation (category 2), H315 Eye irritation (category 2), H319 Specific Target Organ Toxicity, Single Exposure (category 3), H335

2.2 GHS Label elements, including precautionary statements



Pictogram

Signal Word Warning

Hazard Statement(s)

H302 Harmful if swallowed. H315 Causes skin irritation.

H319 Causes serious eye irritation. H335 May cause respiratory irritation.

Precautionary Statement(s)

P261 Avoid breathing dust/fumes/mist/vapors/spray.

P264 Wash skin thoroughly after handling.

P270 Do not eat, drink, or smoke when using this product.
P280 Wear eye protection/face protection/protective gloves.

P301 + P312 + P330 If swallowed: call a POISON center/doctor if you feel unwell.

Rinse mouth with water.

P302 + P352 If on skin: wash with plenty of soap and water.

P305 + P351 + P338 If in eyes: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue to

rinse.

P332 + P313 If skin irritation occurs: Get medical advice/attention.
P337 + P313 If eye irritation persists: Get medical advice/attention.
P362 Take off contaminated clothing and wash before reuse.

2.3 Hazards not otherwise classified

Unknown

SECTION 3: Composition / Information on Ingredients

3.1 Components of Substance or Mixture

Chemical name	Formula	CAS number	EC number	Concentration
DL-dithiothreitol	C ₄ H ₁₀ O ₂ S ₂	3483-12-3	222-468-7	100 mM
Proprietary	N/A	N/A	N/A	N/A

Impurities: Not known.

SECTION 4: First Aid Measures

4.1 Description of first aid measures

Eye: 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. If feeling unwell, get

medical attention.

4.2 Most important symptoms and effects

ACUTE Harmful if swallowed, causes skin irritation, causes serious eye irritation, may

cause respiratory irritation.

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: Hazardous fumes may be generated in case of a

fire including carbon dioxide, carbon monoxide, sulfur oxides, sodium oxides, nitrogen oxides, and

hydrogen sulfide.

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):

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 (see section 8). Ensure adequate ventilation. 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.

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

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

Use appropriate personal protective Precautions for safe handling:

> 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.

Not available Measures to prevent fire: 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

Packaging materials: Store tightly sealed in original container.

Requirements for storage rooms and vessels: Store in well-ventilated area.

Incompatible materials: Strong oxidizing agents, bases, alkali

metals, reducing agents.

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 & measures

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 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.

Hygiene measures: Handle in accordance with good industrial hygiene and safety

practice.

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: Unpleasant Odor threshold: Not available 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: Stable under normal recommended storage and usage

conditions.

Possibility of hazardous reactions: Under recommended conditions of storage and use,

hazardous reactions will not occur.

Conditions to avoid: Exposure to moisture, product is hygroscopic.

Incompatible materials: Strong oxidizing agents, bases, alkali metals, reducing

agents.

Hazardous decomposition products: Under fire conditions, dangerous fumes such as carbon

oxides, nitrogen oxides, sodium oxides, sulfur oxides, and hydrogen sulfide may be produced. See section 5 for fire

fighting measures.

SECTION 11: Toxicological Information

11.1 Routes of Exposure

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

11.2 Potential Health Effects

Eye: Causes eye irritation.

Skin: Causes skin irritation. May be toxic.

Inhalation: Causes irritation to mucous membranes and upper

respiratory tract. May be toxic.

Ingestion: May be toxic. 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

11.3 Numerical measures of toxicity

No data available

11.4 Symptoms

Symptoms related to the physical, chemical, and toxicological characteristics:

Causes skin irritation.

Causes serious eye irritation.

May cause respiratory irritation.

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:

Chronic toxicity:

Not available

Not available

Not available

12.2 Persistence and Degradability

Abiotic degradation:

Physical- and photo-chemical elimination:

Biodegradation:

Bioaccumulative potential:

Not available

Not available

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:

Absorption/desorption:

Mot available

Not available

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

SECTION 13: Disposal Considerations

13.1 Waste treatment methods

Sewage disposal-relevant information:

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. Prevent material from entering drains,

sewer, and waterways.

Other disposal recommendations: None

SECTION 14: Transport Information

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

UN number:
UN proper shipping name:
Transport hazard class(es):
Packing group:
Environmental hazards:

Not available
Not available
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 Section 302.

15.3 SARA 313 Components

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

15.4 SARA 311/312 Hazards

Acute health hazard. 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

DTT is 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™ 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™ assumes no liability for damage resulting from handling or contact with this product.

16.2 Document Revision

See the document footer for the last revision date.



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: 25 mM N1meΨTP PreMix

Product Number: Component of kit.

Other means

of identification: None

1.2 Recommended Use and Restrictions on Use

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™ 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 8am-4pm CST

SECTION 2: Hazard(s) Identification

2.1 Classification of the Substance or Mixture

This product, as supplied, is not considered hazardous.

2.2 GHS Label elements, including precautionary statements

This product, as supplied, is not considered hazardous.

2.3 Hazards not otherwise classified

This product, as supplied, 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 disodium salt	C ₁₀ H ₁₄ N ₅ Na ₂ O ₁₃ P ₃	987-65-5	213-579-1	25 mM
Cytidine 5'-triphosphate disodium salt dihydrate	C ₉ H ₁₄ N ₃ O ₁₄ P ₃ •Na ₂ •2H ₂ O	81012-87-5	815-308-8	25 mM
N1-methyl-pseudouridine 5'- triphosphate trisodium salt	C ₁₀ H ₁₇ N ₂ Na ₃ O ₁₅ P ₃	1428903-59-6	N/A	25 mM
Guanosine 5'-triphosphate trisodium salt	C ₁₀ H ₁₃ N ₅ Na ₃ O ₁₄ P ₃	36051-31-7	252-847-2	25 mM

Impurities: Not known.

SECTION 4: First Aid Measures

4.1 Description of first aid measures

Eye: 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
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.

Wear self-contained breathing apparatus and full Advice for firefighters:

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):

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 (see section 8). Ensure adequate ventilation. 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.

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

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.

Not available Measures to prevent fire: Measures to prevent aerosol/dust generation: Not available Measures to protect the environment: Not available

Last Revision Date: 03 Jan 2025 TECHDOC-0086 Revision: 03

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

Incompatible materials: Strong oxidizing agents.

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 & measures

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 worn.

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.

Hygiene measures: Handle in accordance with good industrial hygiene and safety

practice.

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 Not available pH: 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: Stable under normal recommended storage and usage

conditions.

Possibility of hazardous reactions: Under recommended conditions of storage and use,

hazardous reactions should 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

11.1 Routes of Exposure

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

11.2 Potential Health 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

11.3 Numerical measures of toxicity

No data available

11.4 Symptoms

Symptoms related to the physical, chemical, and toxicological characteristics:

No data available

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:

Chronic toxicity:

Not available

Eco/aquatic toxicity:

Not available

12.2 Persistence and Degradability

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

Absorption/desorption:

Mot available

Not available

Not available

12.5 Results of PBT and vPvB assessment

PBT results:

PvB results:

Not available

Not available

12.6 Other adverse effects

Additional information: None

TECHDOC-0086 Revision: 03 Last Revision Date: 03 Jan 2025

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 regulated by US Department of Transportation (DOT), ADR/RID (cross border) IMDG and IATA/ICAO.

UN number:
UN proper shipping name:
Not available
Transport hazard class(es):
Packing group:
Not available
Environmental hazards:
Not available
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 Section 302.

15.3 SARA 313 Components

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

15.4 SARA 311/312 Hazards

See section 2 for more information.

TECHDOC-0086 Revision: 03 Last Revision Date: 03 Jan 2025

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.
- 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 N1-methyl-pseudouridine-5'-triphosphate are listed in inventory.

SECTION 16: Other Information

16.1 Disclaimer

The information provided on the SDS is the most accurate information to the best knowledge of CELLSCRIPT™ 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™ assumes no liability for damage resulting from handling or contact with this product.

16.2 Document Revision

See the document footer for the last revision date.

TECHDOC-0086 Revision: 03 Last Revision Date: 03 Jan 2025



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 DNase I, 1 U/µI

Product Number: Component of kit.

Other means

of identification: Deoxyribonuclease I

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™ 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 8am-4pm CST

SECTION 2: Hazard(s) Identification

2.1 Classification of the Substance or Mixture

This product, as supplied, is not considered hazardous.

2.2 GHS Label elements, including precautionary statements

This product, as supplied, is not considered hazardous.

2.3 Hazards not otherwise classified

This product, as supplied, is not considered hazardous.

TECHDOC-0018 Revision: 03 Last Revision Date: 03 Jan 2025

SECTION 3: Composition / Information on Ingredients

3.1 Components of Substance or Mixture

Chemical name	Formula	CAS number	EC number	Concentration
Deoxyribonuclease I	N/A	9003-98-9	232-667-0	1 U/µl
Glycerol	C ₃ H ₅ (OH) ₃	56-81-5	200-289-5	50%
2-Amino-2-(hydroxymethyl)-1,3- propanediol	NH ₂ C(CH ₂ OH) ₃	77-86-1	201-064-4	50 mM
Calcium Chloride	CaCl ₂	10043-52-4	233-140-8	10 mM
Magnesium Chloride	MgCl ₂	7786-30-3	232-094-6	10 mM
Triton X-100	C ₁₆ H ₂₆ O ₂	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. If feeling unwell, get

medical attention.

4.2 Most important symptoms and effects

ACUTE No data available 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):

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 (see section 8). 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.

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.

Use good industrial hygiene and safety General hygiene advice:

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

TECHDOC-0018 Revision: 03 Last Revision Date: 03 Jan 2025

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

Incompatible materials: Strong oxidizing agents.

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/m³, mist, respirable fraction 15 mg/m³, mist, total particulate	Cal/OSHA PEL

Limit Types: Occupational exposure limits (OELs), permissible exposure limits (PELs), threshold limit values (TLVs) or time-weighted average (TWA).

TWA is a measurement of a worker's average exposure to a hazardous substance or airborne pollutant over a set period of time (e.g., 8 hr, 1 week).

8.2 Engineering controls

Safety shower, eye wash station and ventilation systems.

8.3 Personal protection equipment & measures

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 used when handling

substance.

Respiratory protection: General ventilation is sufficient to control worker exposure to

airborne contaminants. In case of insufficient ventilation,

respirators should be used that have been tested and approved by

appropriate government standards such as NIOSH.

Hygiene measures: Handle in accordance with good industrial hygiene and safety

practice.

8.4 General health & safety measures

Use clean laboratory practices and personal protection equipment

TECHDOC-0018 Revision: 03 Last Revision Date: 03 Jan 2025

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: 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: Not available Other information: Not available

SECTION 10: Stability and Reactivity

Reactivity: No data available.

Chemical stability: Stable under recommended storage and usage conditions.

hazardous reactions will not occur.

Conditions to avoid: Avoid concentration of liquid mixture to solids.

Incompatible materials: Strong oxidizing agents.

Hazardous decomposition products: Under normal conditions of storage and use, no hazardous

decomposition products are known to be produced.

TECHDOC-0018 Revision: 03 Last Revision Date: 03 Jan 2025

SECTION 11: Toxicological Information

11.1 Routes of Exposure

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

11.2 Potential Health Effects

Eye: Not available Skin: Not available Inhalation: Not available Not available Ingestion: 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

11.3 Numerical measures of toxicity

No data available

11.4 Symptoms

Symptoms related to the physical, chemical, and toxicological characteristics:

No data available

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.

TECHDOC-0018 Revision: 03 Last Revision Date: 03 Jan 2025

SECTION 12: Ecological Information

12.1 Ecotoxicity

Acute toxicity:

Chronic toxicity:

Not available

Eco/aquatic toxicity:

Not available

12.2 Persistence and Degradability

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

Absorption/desorption:

Mot available

Not available

Not available

12.5 Results of PBT and vPvB assessment

PBT results:

PvB results:

Not available

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.

Waste codes/waste designations according to LoW: Unknown

Waste treatment-relevant information: Dispose of material in accordance with

all federal, state, and local regulations. Prevent material from entering drains,

Sewage disposal-relevant information:

Prevent material from e sewer, and waterways.

Other disposal recommendations: None

TECHDOC-0018 Revision: 03 Last Revision Date: 03 Jan 2025

SECTION 14: Transport Information

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

UN number: Not available Not available UN proper shipping name: Transport hazard class(es): Not available Packing group: Not available 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 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 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.

TECHDOC-0018 Revision: 03 Last Revision Date: 03 Jan 2025

SECTION 16: Other Information

16.1 Disclaimer

The information provided on the SDS is the most accurate information to the best knowledge of CELLSCRIPT™ 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™ assumes no liability for damage resulting from handling or contact with this product.

16.2 Document Revision

Last Revision Date: 11 Nov 2024

TECHDOC-0018 Revision: 03 Last Revision Date: 03 Jan 2025



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: ScriptCap[™] Capping Enzyme, 10 U/μL

Product Number: Component of kit.

Other means

of identification: None

1.2 Recommended Use and Restrictions on Use

Enzyme solution. Use within prescribed temperature parameters. 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™ 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 8am-4pm CST

SECTION 2: Hazard(s) Identification

2.1 Classification of the Substance or Mixture

This product, as supplied, is not considered hazardous.

2.2 GHS Label elements, including precautionary statements

This product, as supplied, is not considered hazardous.

2.3 Hazards not otherwise classified

This product, as supplied, is not considered hazardous.

TECHDOC-0036 Revision: 03 49 of 174 Last Revision Date: 03 Jan 2025

SECTION 3: Composition / Information on Ingredients

3.1 Components of Substance or Mixture

Chemical name	Formula	CAS number	EC number	Concentration
ScriptCap™ Capping Enzyme	N/A	56941-23-2	N/A	10 U/μl
Glycerol	C ₃ H ₅ (OH) ₃	56-81-5	200-289-5	50%
2-Amino-2-(hydroxymethyl)-1,3- propanediol	C ₄ H ₁₁ NO ₃	77-86-1	201-064-4	50 mM
Sodium Chloride	NaCl	7647-14-5	231-598-3	100 mM
Dithiothreitol (DTT)	C ₄ H ₁₀ O ₂ S ₂	3483-12-3	222-468-7	1 mM
Ethylenediaminetetraacetic acid (EDTA), disodium dihydrate	C ₁₀ H ₁₄ N ₂ Na ₂ O ₈ •2 H ₂ O	6381-92-6	205-358-3	0.1 mM
Triton X-100	C ₁₆ H ₂₆ O ₂	9002-93-1	618-344-0	0.1%

Impurities: Not known.

SECTION 4: First Aid Measures

4.1 Description of first aid measures

Eye: 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
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: Carbon Oxides, Nitrogen Oxides, Sodium Oxides,

and sulfur oxide gas may be produced under fire

conditions.

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):

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 (see section 8). 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.

Reference to other sections: See section 8 for further information on protective clothing and

equipment, see section 13 for advice on waste disposal.

TECHDOC-0036 Revision: 03 51 of 174 Last Revision Date: 03 Jan 2025

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:

Measures to prevent aerosol/dust generation:

Mot available

Not available

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. Do not store at -70°C. Store in original container.

Packaging materials: Store in origing Requirements for storage rooms and vessels: Not available

Incompatible materials: Strong oxidizing agents, bases, alkali

metals, reducing agents.

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/m³, mist, respirable fraction	Cal/OSHA PEL
			15 mg/m³, mist, total particulate	

Limit Types: Occupational exposure limits (OELs), permissible exposure limits (PELs), threshold limit values (TLVs) or time-weighted average (TWA).

TWA is a measurement of a worker's average exposure to a hazardous substance or airborne pollutant over a set period of time (e.g., 8 hr, 1 week).

8.2 Engineering controls

Safety shower, eye wash station and ventilation systems.

8.3 Personal protection equipment & measures

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 worn.

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.

Hygiene measures: Handle in accordance with good industrial hygiene and safety

practice.

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:

Appearance/color
Odor:
Odor:
Odor threshold:

Liquid
Clear
Odorless
None

:Ha 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

TECHDOC-0036 Revision: 03 53 of 174 Last Revision Date: 03 Jan 2025

SECTION 10: Stability and Reactivity

Reactivity: No data available.

Chemical stability: Stable under normal recommended storage and usage

conditions.

Possibility of hazardous reactions: Under recommended conditions of storage and use,

hazardous reactions will not occur.

Conditions to avoid: Avoid concentration of liquid mixture to solids...

Incompatible materials: Strong oxidizing agents, bases, alkali metals, reducing

agents.

Hazardous decomposition products: Under normal conditions of storage and use, hazardous

decomposition products should not be produced. Hazardous decomposition products formed under fire

conditions. See section 5 in the event of a fire.

SECTION 11: Toxicological Information

11.1 Routes of Exposure

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

11.2 Potential Health 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

11.3 Numerical measures of toxicity

No data available

TECHDOC-0036 Revision: 03 54 of 174 Last Revision Date: 03 Jan 2025

11.4 Symptoms

Symptoms related to the physical, chemical, and toxicological characteristics:

No data available

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:

Chronic toxicity:

Not available

Eco/aquatic toxicity:

Not available

12.2 Persistence and Degradability

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

Absorption/desorption:

Mot available

Not available

Not available

12.5 Results of PBT and vPvB assessment

PBT results:

PvB results:

Not available

Not available

12.6 Other adverse effects

Additional information: No known significant effects or critical hazards.

TECHDOC-0036 Revision: 03 55 of 174 Last Revision Date: 03 Jan 2025

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 regulated by US Department of Transportation (DOT), ADR/RID (cross border) IMDG and IATA/ICAO.

UN number:
UN proper shipping name:
Not available
Transport hazard class(es):
Packing group:
Not available
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 Section 302.

15.3 SARA 313 Components

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

15.4 SARA 311/312 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.

TECHDOC-0036 Revision: 03 Last Revision Date: 03 Jan 2025

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

All ingredients except EDTA disodium dihydrate and capping enzyme are listed in the TSCA inventory. This product is for research use only.

15.7 Canada Domestic Substances List / Non-Domestic Substances List (DSL/NDSL)
All ingredients except capping enzyme 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 capping enzyme 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™ 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™ assumes no liability for damage resulting from handling or contact with this product.

16.2 Document Revision

See the document footer for the last revision date.

TECHDOC-0036 Revision: 03 57 of 174 Last Revision Date: 03 Jan 2025



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: ScriptCap[™] 2'-O-Methyltransferase, 100 U/μL

Product Number: Component of kit.

Other means

of identification: None

1.2 Recommended Use and Restrictions on Use

Enzyme solution. Use within prescribed temperature parameters. 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™ 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 8am-4pm CST

SECTION 2: Hazard(s) Identification

2.1 Classification of the Substance or Mixture

This product, as supplied, is not considered hazardous.

2.2 GHS Label elements, including precautionary statements

This product, as supplied, is not considered hazardous.

2.3 Hazards not otherwise classified

This product, as supplied, 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'-0-Methyltransferase	N/A	61970-02-3	N/A	100 U/μl
Glycerol	C ₃ H ₅ (OH) ₃	56-81-5	200-289-5	50%
2-Amino-2-(hydroxymethyl)-1,3- propanediol	C ₄ H ₁₁ NO ₃	77-86-1	201-064-4	50 mM
Sodium Chloride	NaCl	7647-14-5	231-598-3	100 mM
Dithiothreitol (DTT)	C ₄ H ₁₀ O ₂ S ₂	3483-12-3	222-468-7	1 mM
Ethylenediaminetetraacetic acid (EDTA), disodium dihydrate	C ₁₀ H ₁₄ N ₂ Na ₂ O ₈ •2 H ₂ O	6381-92-6	205-358-3	0.1 mM
Triton X-100	C ₁₆ H ₂₆ O ₂	9002-93-1	618-344-0	0.1%

Impurities: Not known.

SECTION 4: First Aid Measures

4.1 Description of first aid measures

Eye: 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
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: Carbon Oxides, Nitrogen Oxides, Sodium Oxides,

and Sulfur Oxide gas may be produced under fire

conditions.

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):

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 (see section 8). 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.

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:

Measures to prevent aerosol/dust generation:

Measures to protect the environment:

Not available

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. Do not store at -70°C. Store in original container.

Packaging materials: Store in origing Requirements for storage rooms and vessels: Not available

Incompatible materials: Strong oxidizing agents, bases, alkali

metals, reducing agents.

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/m³, mist, respirable fraction 15 mg/m³, mist, total particulate	Cal/OSHA PEL

Limit Types: Occupational exposure limits (OELs), permissible exposure limits (PELs), threshold limit values (TLVs) or time-weighted average (TWA).

TWA is a measurement of a worker's average exposure to a hazardous substance or airborne pollutant over a set period of time (e.g., 8 hr, 1 week).

8.2 Engineering controls

Safety shower, eye wash station and ventilation systems.

8.3 Personal protection equipment & measures

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 worn.

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.

Hygiene measures: Handle in accordance with good industrial hygiene and safety

practice.

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.

Other information:

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 :Ha 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

SDS Number: TECHDOC-0037 Revision: 03 Last Revision Date: 03 Jan 2025

Not available

SECTION 10: Stability and Reactivity

Reactivity: No data available.

Chemical stability: 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, alkali metals, reducing

agents.

Hazardous decomposition products: Under normal conditions of storage and use, hazardous

decomposition products should not be produced. Hazardous decomposition products formed under fire

conditions. See section 5 in the event of a fire.

SECTION 11: Toxicological Information

11.1 Routes of Exposure

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

None

11.2 Potential Health Effects

Not available Eve: Skin: Not available Inhalation: Not available Ingestion: Not available Toxicity: Not available Skin corrosion/irritation: Not available Serious eye damage/irritation: Not available Not available Respiratory or skin sensitization: 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 Not available Fertility: STOT-repeated exposure: Not available Aspiration hazard: Not available

11.3 Numerical measures of toxicity

No data available

Other information:

11.4 Symptoms

Symptoms related to the physical, chemical, and toxicological characteristics:

No data available

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:

Chronic toxicity:

Not available

Eco/aquatic toxicity:

Not available

12.2 Persistence and Degradability

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

Absorption/desorption:

Mot available

Not available

Not available

12.5 Results of PBT and vPvB assessment

PBT results:

PvB results:

Not available

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

UN number:
UN proper shipping name:
Not available
Transport hazard class(es):
Packing group:
Not available
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 Section 302.

15.3 SARA 313 Components

No chemicals in this material are subject to the reporting requirements of SARA 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

Ethylenediaminetetraacetic acid, disodium salt (CAS# 6381-92-6) and 2'-O-Methyltransferase are not listed in the TSCA. Remaining ingredients are listed in the TSCA inventory.

15.7 Canada Domestic Substances List / Non-Domestic Substances List (DSL/NDSL)All ingredients except for 2'-O-Methyltransferase are 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 except for 2'-O-Methyltansferase 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™ 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™ assumes no liability for damage resulting from handling or contact with this product.

16.2 Document Revision

See the document footer for the last revision date.



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 ScriptCap™ Capping Buffer

Product Number: Component of kit.

Other means

of identification: None

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™ 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 8am-4pm CST

SECTION 2: Hazard(s) Identification

2.1 Classification of the Substance or Mixture

This product, as supplied, is not considered hazardous.

2.2 GHS Label elements, including precautionary statements

This product, as supplied, is not considered hazardous.

2.3 Hazards not otherwise classified

This product, as supplied, is not considered hazardous.

TECHDOC-0033 Revision: 03 67 of 174 Last Revision Date: 03 Jan 2025

SECTION 3: Composition / Information on Ingredients

3.1 Components of Substance or Mixture

Chemical name	Formula	CAS number	EC number	Concentration
2-Amino-2-(hydroxymethy)l-1,3- propanediol	C ₄ H ₁₁ NO ₃	77-86-1	201-064-4	0.5 M
Potassium Chloride	KCI	7447-40-7	231-211-8	60 mM
Magnesium Chloride	MgCl ₂ •6H ₂ O	7791-18-6	232-094-6	12.5 mM

Impurities: Not known.

SECTION 4: First Aid Measures

4.1 Description of first aid measures

Eye: 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
DELAYED No data available
CHRONIC No data available

4.3 Indication of any immediate medical attention and special treatment needed

No data available

TECHDOC-0033 Revision: 03 68 of 174 Last Revision Date: 03 Jan 2025

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: Hydrogen chloride gas, magnesium oxide,

potassium oxide may be produced under fire

conditions.

Advice for firefighters: Wear self-contained breathing apparatus and

appropriate PPE 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 (see section 8). 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.

TECHDOC-0033 Revision: 03 69 of 174 Last Revision Date: 03 Jan 2025

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:

Measures to prevent aerosol/dust generation:

Measures to protect the environment:

Not available

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: Requirements for storage rooms and vessels:

Incompatible materials:

Strong oxidizing agents, metals.

Store in original container.

Store in well-ventilated area.

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 & measures

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 worn.

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.

Hygiene measures: Handle in accordance with good industrial hygiene and safety

practice.

TECHDOC-0033 Revision: 03 70 of 174 Last Revision Date: 03 Jan 2025

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 Not available :Ha 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

SECTION 10: Stability and Reactivity

Explosive properties:

Oxidizing properties:

Other information:

Reactivity: No data available.

Chemical stability: Stable under normal recommended storage and usage

Unknown

Unknown

Not available

conditions.

Possibility of hazardous reactions: No data available.

Conditions to avoid: Avoid concentration of liquid mixture to solids.

Incompatible materials: Strong oxidizing agents, metals

Hazardous decomposition products: Under normal conditions of storage and use, hazardous

decomposition products should not be produced. Hazardous decomposition products formed under fire

conditions. See section 5 in the event of a fire.

TECHDOC-0033 Revision: 03 71 of 174 Last Revision Date: 03 Jan 2025

SECTION 11: Toxicological Information

11.1 Routes of Exposure

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

11.2 Potential Health 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

11.3 Numerical measures of toxicity

No data available

11.4 Symptoms

Symptoms related to the physical, chemical, and toxicological characteristics:

No data available

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:

Chronic toxicity:

Not available

Eco/aquatic toxicity:

Not available

12.2 Persistence and Degradability

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

Absorption/desorption:

Mot available

Not available

Not available

12.5 Results of PBT and vPvB assessment

PBT results:

PvB results:

Not available

Not available

12.6 Other adverse effects

Additional information: None

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 regulated by US Department of Transportation (DOT), ADR/RID (cross border) IMDG and IATA/ICAO.

UN number:
UN proper shipping name:
Not available
Not available
Transport hazard class(es):
Packing group:
Not available
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 Section 302.

15.3 SARA 313 Components

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

15.4 SARA 311/312 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.

TECHDOC-0033 Revision: 03 74 of 174 Last Revision Date: 03 Jan 2025

- 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™ 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™ assumes no liability for damage resulting from handling or contact with this product.

16.2 Document Revision

See the document footer for the last revision date.

TECHDOC-0033 Revision: 03 75 of 174 Last Revision Date: 03 Jan 2025



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: 20 mM S-adenosyl-methionine (SAM)

Product Number: Component of kit.

Other means

of identification: None

1.2 Recommended Use and Restrictions on Use

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™ 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 8am-4pm CST

SECTION 2: Hazard(s) Identification

2.1 Classification of the Substance or Mixture

This product, as supplied, is not considered hazardous.

2.2 GHS Label elements, including precautionary statements

This product, as supplied, is not considered hazardous.

2.3 Hazards not otherwise classified

This product, as supplied, is not considered hazardous.

TECHDOC-0031 Revision: 02 76 of 174 Last Revision Date: 03 Jan 2025

SECTION 3: Composition / Information on Ingredients

3.1 Components of Substance or Mixture

Chemical name	Formula	CAS number	EC number	Concentration
S-(5'-Adenosyl)-L-methionine <i>p</i> -toluenesulfonate	C ₁₅ H ₂₂ N ₆ O ₅ S •C ₇ H ₈ O ₃ S	52248-03-0	N/A	20 mM

Impurities: Not known.

SECTION 4: First Aid Measures

4.1 Description of first aid measures

Eye: Remove contact lenses, hold eye lids open and flush eye with plenty of

water (or buffered saline eye wash) for at least 15 minutes. Get medical

attention. 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
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: Carbon oxides, Nitrogen oxides, Sulphur oxides. Advice for firefighters: Wear self-contained breathing apparatus and full

protective gear while extinguishing the fire.

TECHDOC-0031 Revision: 02 77 of 174 Last Revision Date: 03 Jan 2025

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 (see section 8). 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.

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:

Measures to prevent aerosol/dust generation:

Measures to protect the environment:

Not available

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. Reagent is heat sensitive.

Packaging materials: Store in original container.

Requirements for storage rooms and vessels: Not available

Incompatible materials: Strong oxidizing agents.

TECHDOC-0031 Revision: 02 78 of 174 Last Revision Date: 03 Jan 2025

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 & measures

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 worn.

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.

Hygiene measures: Handle in accordance with good industrial hygiene and safety

practice.

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.

TECHDOC-0031 Revision: 02 79 of 174 Last Revision Date: 03 Jan 2025

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 Not available pH: 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: Stable under normal recommended storage and usage

conditions.

Possibility of hazardous reactions: Under recommended conditions of storage and use,

hazardous reactions will not occur.

Conditions to avoid: Avoid heat, which may affect product quality.

Incompatible materials: Strong oxidizing agents.

Hazardous decomposition products: Under normal conditions of storage and use, hazardous

decomposition products should not be produced. Hazardous decomposition products formed under fire

conditions. See section 5 in the event of a fire.

SECTION 11: Toxicological Information

11.1 Routes of Exposure

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

11.2 Potential Health 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

11.3 Numerical measures of toxicity

No data available

11.4 Symptoms

Symptoms related to the physical, chemical, and toxicological characteristics:

No data available

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:

Chronic toxicity:

Not available

Eco/aquatic toxicity:

Not available

12.2 Persistence and Degradability

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

Absorption/desorption:

Mot available

Not available

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.

TECHDOC-0031 Revision: 02 82 of 174 Last Revision Date: 03 Jan 2025

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 regulated by US Department of Transportation (DOT), ADR/RID (cross border) IMDG and IATA/ICAO.

UN number:
UN proper shipping name:
Not available
Transport hazard class(es):
Packing group:
Not available
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 Section 302.

15.3 SARA 313 Components

No chemicals in this material are subject to the reporting requirements of SARA 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.

TECHDOC-0031 Revision: 02 83 of 174 Last Revision Date: 03 Jan 2025

- **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) Ingredients are not 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™ 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™ assumes no liability for damage resulting from handling or contact with this product.

16.2 Document Revision

See the document footer for the last revision date.

TECHDOC-0031 Revision: 02 84 of 174 Last Revision Date: 03 Jan 2025



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: 20 mM GTP **Product Number:** Component of kit.

Other means

of identification: Guanosine 5'-triphosphate

1.2 Recommended Use and Restrictions on Use

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™ 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 8am-4pm CST

SECTION 2: Hazard(s) Identification

2.1 Classification of the Substance or Mixture

This product, as supplied, is not considered hazardous.

2.2 GHS Label elements, including precautionary statements

This product, as supplied, is not considered hazardous.

2.3 Hazards not otherwise classified

This product, as supplied, is not considered hazardous.

TECHDOC-0012 Revision: 02 Last Revision Date: 03 Jan 2025

SECTION 3: Composition / Information on Ingredients

3.1 Components of Substance or Mixture

Chemical name	Formula	CAS number	EC number	Concentration
Guanosine 5'-triphosphate trisodium salt	C ₁₀ H ₁₃ N ₅ O ₁₄ P ₃ •Na ₃ •H ₂ O	36051-31-7	252-847-2	20 mM

Impurities: Not known.

SECTION 4: First Aid Measures

4.1 Description of first aid measures

Eye: 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. If feeling unwell, get

medical attention.

4.2 Most important symptoms and effects

ACUTE No data available
DELAYED No data available
CHRONIC No data available

4.3 Indication of any immediate medical attention and special treatment needed

No data available

TECHDOC-0012 Revision: 02 Last Revision Date: 03 Jan 2025

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):

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 (see section 8). Ensure adequate ventilation. 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.

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

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.

Not available Measures to prevent fire: Measures to prevent aerosol/dust generation: Not available Measures to protect the environment: Not available

TECHDOC-0012 Revision: 02 Last Revision Date: 03 Jan 2025

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

Incompatible materials: Strong oxidizing agents.

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 & measures

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 worn.

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.

Hygiene measures: Handle in accordance with good industrial hygiene and safety

practice.

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.

TECHDOC-0012 Revision: 02 Last Revision Date: 03 Jan 2025

SECTION 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Physical state:

Appearance/color

Odor:

Odor threshold:

Liquid

Clear

Odorless

None

Not available pH: 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: Stable under normal 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: Strong oxidizing agents.

Hazardous decomposition products: Under normal conditions of storage and use, hazardous

decomposition products should not be produced.

SECTION 11: Toxicological Information

11.1 Routes of Exposure

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

TECHDOC-0012 Revision: 02 Last Revision Date: 03 Jan 2025

11.2 Potential Health Effects

Eye: Not available Skin: Not available Inhalation: Not available Not available Ingestion: 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

11.3 Numerical measures of toxicity

No data available

11.4 Symptoms

Symptoms related to the physical, chemical, and toxicological characteristics:

No data available

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

TECHDOC-0012 Revision: 02 Last Revision Date: 03 Jan 2025

12.2 Persistence and Degradability

Abiotic degradation:

Physical- and photo-chemical elimination:

Biodegradation:

Bioaccumulative potential:

Not available

Not available

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:

Absorption/desorption:

Mot available

Not available

Not available

12.5 Results of PBT and vPvB assessment

PBT results:

PvB results:

Not available

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

Sewage disposal-relevant information:

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. Prevent material from entering drains,

sewer, and waterways.

Other disposal recommendations: None

TECHDOC-0012 Revision: 02 Last Revision Date: 03 Jan 2025

SECTION 14: Transport Information

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

UN number: Not available Not available UN proper shipping name: Transport hazard class(es): Not available Packing group: Not available 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 Section 302.

15.3 SARA 313 Components

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

15.4 SARA 311/312 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.

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.

TECHDOC-0012 Revision: 02 Last Revision Date: 03 Jan 2025

SECTION 16: Other Information

16.1 Disclaimer

The information provided on the SDS is the most accurate information to the best knowledge of CELLSCRIPT™ 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™ assumes no liability for damage resulting from handling or contact with this product.

16.2 Document Revision

See the document footer for the last revision date.

TECHDOC-0012 Revision: 02 93 of 174 Last Revision Date: 03 Jan 2025



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.

Other means

of identification: None

1.2 Recommended Use and Restrictions on Use

Enzyme solution. Use within prescribed temperature parameters. 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™ 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 8am-4pm CST

SECTION 2: Hazard(s) Identification

2.1 Classification of the Substance or Mixture

This product, as supplied, is not considered hazardous.

2.2 GHS Label elements, including precautionary statements

This product, as supplied, is not considered hazardous.

2.3 Hazards not otherwise classified

This product, as supplied, is not considered hazardous.

TECHDOC-0030 Revision: 02 94 of 174 Last Revision Date: 03 Jan 2025

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 ₃ H ₅ (OH) ₃	56-81-5	200-289-5	50%
2-Amino-2-(hydroxymethyl)- 1,3- propanediol	C ₄ H ₁₁ NO ₃	77-86-1	201-064-4	50 mM
Sodium chloride	NaCl	7647-14-5	231-598-3	0.5 M
Dithiothreitol (DTT)	C ₄ H ₁₀ O ₂ S ₂	3483-12-3	222-468-7	1 mM
Ethylenediaminetetraacetic acid (EDTA) Disodium Salt Dihydrate	C ₁₀ H ₁₄ N ₂ Na ₂ O ₈ •2 H ₂ O	6381-92-6	205-358-3	0.1 mM
Triton X-100	C ₁₆ H ₂₆ O ₂	9002-93-1	925-964-8	0.1%

Impurities: Not known.

SECTION 4: First Aid Measures

4.1 Description of first aid measures

Eye: 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
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: Carbon Oxides, Nitrogen Oxides, Sodium Oxides,

and Sulfur Oxide gas may be produced under fire

conditions.

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):

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 (see section 8). 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. 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.

TECHDOC-0030 Revision: 02 96 of 174 Last Revision Date: 03 Jan 2025

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:

Measures to prevent aerosol/dust generation:

Measures to protect the environment:

Not available

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

Incompatible materials: Strong oxidizing agents, strong bases.

SECTION 8: Exposure controls/personal protection

8.1 Control Parameters

Chemical Name	Limit Type	Country	Exposure Limit	Information Source
Glycerol (CAS 56-81-5)			5 mg/m³, mist, respirable fraction	
	TWA	USA	15 mg/m³, mist, total particulate	Cal/OSHA PEL

Limit Types: Occupational exposure limits (OELs), permissible exposure limits (PELs), threshold limit values (TLVs) or time-weighted average (TWA).

TWA is a measurement of a worker's average exposure to a hazardous substance or airborne pollutant over a set period of time (e.g., 8 hr, 1 week).

8.2 Engineering controls

Safety shower, eye wash station and ventilation systems.

8.3 Personal protection equipment & measures

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 worn.

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.

Hygiene measures: Handle in accordance with good industrial hygiene and safety

practice.

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: Unknown Oxidizing properties: Unknown Other information: Not available

TECHDOC-0030 Revision: 02 98 of 174 Last Revision Date: 03 Jan 2025

SECTION 10: Stability and Reactivity

Reactivity: No data available.

Chemical stability: 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, strong bases.

Hazardous decomposition products: Under normal conditions of storage and use, hazardous

decomposition products should not be produced. Hazardous decomposition products formed under fire

conditions. See section 5 in the event of a fire.

SECTION 11: Toxicological Information

11.1 Routes of Exposure

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

11.2 Potential Health Effects

Eye: Not available Skin: Not available Inhalation: Not available Not available Ingestion: 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

11.3 Numerical measures of toxicity

No data available

11.4 Symptoms

Symptoms related to the physical, chemical, and toxicological characteristics:

No data available

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:

Chronic toxicity:

Not available

Eco/aquatic toxicity:

Not available

12.2 Persistence and Degradability

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

Absorption/desorption:

Mot available

Not available

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.

TECHDOC-0030 Revision: 02 100 of 174 Last Revision Date: 03 Jan 2025

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 regulated by US Department of Transportation (DOT), ADR/RID (cross border) IMDG and IATA/ICAO.

UN number:
UN proper shipping name:
Not available
Transport hazard class(es):
Packing group:
Not available
Not available
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 Section 302.

15.3 SARA 313 Components

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

15.4 SARA 311/312 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.

TECHDOC-0030 Revision: 02 101 of 174 Last Revision Date: 03 Jan 2025

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

Ethylenediaminetetraacetic acid, disodium salt (CAS# 6381-92-6) and A-Plus Poly(A) Polymerase are not listed in the TSCA. Remaining ingredients 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™ 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™ assumes no liability for damage resulting from handling or contact with this product.

16.2 Document Revision

See the document footer for the last revision date.

TECHDOC-0030 Revision: 02 102 of 174 Last Revision Date: 03 Jan 2025



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.

Other means

of identification: None

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™ 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 8am-4pm CST

SECTION 2: Hazard(s) Identification

2.1 Classification of the Substance or Mixture

This product, as supplied, is not considered hazardous.

2.2 GHS Label elements, including precautionary statements

This product, as supplied, is not considered hazardous.

2.3 Hazards not otherwise classified

This product, as supplied, is not considered hazardous.

TECHDOC-0029 Revision: 03 103 of 174 Last Revision Date: 03 Jan 2025

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 ₄ H ₁₁ NO ₃	77-86-1	201-064-4	0.5 M
Sodium Chloride	NaCl	7647-14-5	231-598-3	2.5 M
Magnesium Chloride	MgCl ₂ •6H ₂ 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: 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
DELAYED No data available
CHRONIC No data available

4.3 Indication of any immediate medical attention and special treatment needed

No data available

TECHDOC-0029 Revision: 03 104 of 174 Last Revision Date: 03 Jan 2025

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 (see section 8). 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:

Measures to prevent aerosol/dust generation:

Measures to protect the environment:

Not available

Not available

TECHDOC-0029 Revision: 03 105 of 174 Last Revision Date: 03 Jan 2025

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

Incompatible materials: Strong oxidizing agents, bases.

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 & measures

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 worn.

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.

Hygiene measures: Handle in accordance with good industrial hygiene and safety

practice.

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: 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

11.1 Routes of Exposure

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

11.2 Potential Health 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

11.3 Numerical measures of toxicity

No data available

11.4 Symptoms

Symptoms related to the physical, chemical, and toxicological characteristics:

No data available

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.

TECHDOC-0029 Revision: 03 Last Revision Date: 03 Jan 2025 108 of 174

SECTION 12: Ecological Information

12.1 Ecotoxicity

Acute toxicity:

Chronic toxicity:

Not available

Eco/aquatic toxicity:

Not available

12.2 Persistence and Degradability

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

Absorption/desorption:

Mot available

Not available

Not available

12.5 Results of PBT and vPvB assessment

PBT results:

PvB results:

Not available

Not available

12.6 Other adverse effects

Additional information: None

TECHDOC-0029 Revision: 03 109 of 174 Last Revision Date: 03 Jan 2025

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 regulated by US Department of Transportation (DOT), ADR/RID (cross border) IMDG and IATA/ICAO.

UN number:
UN proper shipping name:
Not available
Transport hazard class(es):
Packing group:
Not available
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 Section 302.

15.3 SARA 313 Components

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

15.4 SARA 311/312 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.

TECHDOC-0029 Revision: 03 110 of 174 Last Revision Date: 03 Jan 2025

- 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™ 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™ assumes no liability for damage resulting from handling or contact with this product.

16.2 Document Revision

See the document footer for the last revision date.

TECHDOC-0029 Revision: 03 111 of 174 Last Revision Date: 03 Jan 2025



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: 20 mM ATP Component of kit.

Other means

of identification: Adenosine 5'-triphosphate

1.2 Recommended Use and Restrictions on Use

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™
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 8am-4pm CST

SECTION 2: Hazard(s) Identification

2.1 Classification of the Substance or Mixture

This product, as supplied, is not considered hazardous.

2.2 GHS Label elements, including precautionary statements

This product, as supplied, is not considered hazardous.

2.3 Hazards not otherwise classified

This product, as supplied, is not considered hazardous.

TECHDOC-0032 Revision: 02 112 of 174 Last Revision Date: 03 Jan 2025

SECTION 3: Composition / Information on Ingredients

3.1 Components of Substance or Mixture

Chemical name	Formula	CAS number	EC number	Concentration
Adenosine 5'-triphosphate disodium salt	C ₁₀ H ₁₄ N ₅ O ₁₃ P ₃ •Na ₂ •H ₂ O	34369-07-8	213-579-1	20 mM

Impurities: Not known.

SECTION 4: First Aid Measures

4.1 Description of first aid measures

Eye: 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
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.

TECHDOC-0032 Revision: 02 113 of 174 Last Revision Date: 03 Jan 2025

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 (see section 8). 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.

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

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.

Use good industrial hygiene and safety General hygiene advice:

practices. Wash hands before breaks, in

use, and at the end of the workday.

Not available Measures to prevent fire: 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.

Store in original container. Packaging materials:

Requirements for storage rooms and vessels: Not available

Incompatible materials: Strong oxidizing agents.

114 of 174 TECHDOC-0032 Revision: 02 Last Revision Date: 03 Jan 2025

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 & measures

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 worn.

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.

Hygiene measures: Handle in accordance with good industrial hygiene and safety

practice.

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.

TECHDOC-0032 Revision: 02 115 of 174 Last Revision Date: 03 Jan 2025

SECTION 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Physical state:

Appearance/color

Odor:

Odor threshold:

Liquid

Clear

Odorless

None

Not available pH: 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: Stable under normal 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: Strong oxidizing agents.

Hazardous decomposition products: Under normal conditions of storage and use, hazardous

decomposition products should not be produced.

SECTION 11: Toxicological Information

11.1 Routes of Exposure

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

11.2 Potential Health 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

11.3 Numerical measures of toxicity

No data available

11.4 Symptoms

Symptoms related to the physical, chemical, and toxicological characteristics:

No data available

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:

Chronic toxicity:

Not available

Eco/aquatic toxicity:

Not available

12.2 Persistence and Degradability

Abiotic degradation:

Physical- and photo-chemical elimination:

Biodegradation:

Bioaccumulative potential:

Not available

Not available

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:

Absorption/desorption:

Mot available

Not available

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.

TECHDOC-0032 Revision: 02 118 of 174 Last Revision Date: 03 Jan 2025

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.

None

Other disposal recommendations:

SECTION 14: Transport Information

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

UN number:
UN proper shipping name:
Not available
Transport hazard class(es):
Packing group:
Not available
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 Section 302.

15.3 SARA 313 Components

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

15.4 SARA 311/312 Hazards

See section 2 for more information.

TECHDOC-0032 Revision: 02 119 of 174 Last Revision Date: 03 Jan 2025

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.
- 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™ 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™ assumes no liability for damage resulting from handling or contact with this product.

16.2 Document Revision

See the document footer for the last revision date.

TECHDOC-0032 Revision: 02 120 of 174 Last Revision Date: 03 Jan 2025



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: Min-Immune™ Gold RNase III

Product Number: Component of kit.

Other means

of identification: Ribonuclease III

1.2 Recommended Use and Restrictions on Use

Enzyme solution. Use within prescribed temperature parameters. 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™ 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 8am-4pm CST

SECTION 2: Hazard(s) Identification

2.1 Classification of the Substance or Mixture

This product, as supplied, is not considered hazardous.

2.2 GHS Label elements, including precautionary statements

This product, as supplied, is not considered hazardous.

2.3 Hazards not otherwise classified

This product, as supplied, 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
Ribonuclease III	N/A	N/A	N/A	Proprietary
Glycerol	C ₃ H ₈ O ₃	56-81-5	200-289-5	50%
Sodium chloride	NaCl	7647-14-5	231-598-3	500 mM
2-Amino-2-(hydroxymethyl)- 1,3-propanediol	C ₄ H ₁₁ NO ₃	77-86-1	201-064-4	50 mM
Dithiothreitol (DTT)	C ₄ H ₁₀ O ₂ S ₂	3483-12-3	222-468-7	1 mM
Ethylenediaminetetraacetic acid (EDTA) Disodium Salt Dihydrate	C ₁₀ H ₁₄ N ₂ Na ₂ O ₈ •2H ₂ O	6381-92-6	205-358-3	0.1 mM
Triton X-100	C ₁₄ H ₂₂ O(C ₂ H ₄ O) _n (n=9-10)	9002-93-1	618-344-0	0.1%

Impurities: Not known.

SECTION 4: First Aid Measures

4.1 Description of first aid measures

Eye: 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. If feeling unwell, get

medical advice/attention.

4.2 Most important symptoms and effects

ACUTE No data available 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: Carbon oxides, nitrogen oxides, sodium oxides,

and sulfur oxide gas may be produced under fire

conditions.

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):

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 (see section 8). 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:

Measures to prevent aerosol/dust generation:

Mot available

Not available

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. Do not store at -70°C.

Packaging materials: Store in original container. Requirements for storage rooms and vessels: Not available

Incompatible materials: Strong oxidizing agents, bases, alkali

metals, and reducing agents.

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/m³, mist, respirable fraction 15 mg/m³, mist, total particulate	Cal/OSHA PEL

Limit Types: Occupational exposure limits (OELs), permissible exposure limits (PELs), threshold limit values (TLVs) or time-weighted average (TWA).

TWA is a measurement of a worker's average exposure to a hazardous substance or airborne pollutant over a set period of time (e.g., 8 hr, 1 week).

8.2 Engineering controls

Safety shower, eye wash station and ventilation systems.

8.3 Personal protection equipment & measures

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 worn.

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.

Hygiene measures: Handle in accordance with good industrial hygiene and safety

practice.

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.

Other information:

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 :Hq 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

TECHDOC-0108 Revision: 02 Last Revision Date: 03 Jan 2025

Not available

SECTION 10: Stability and Reactivity

Reactivity: No data available.

Chemical stability: Stable under normal recommended storage and usage

conditions.

Possibility of hazardous reactions: Under recommended conditions of storage and use,

hazardous reactions should not occur.

Conditions to avoid: Avoid concentration of liquid mixture to solids.

Incompatible materials: Strong oxidizing agents, bases, alkali metals, and reducing

agents.

Hazardous decomposition products: Under normal conditions of storage and use, no hazardous

decomposition products are known to be produced. See

section 5 for hazardous gases produced under fire

conditions.

SECTION 11: Toxicological Information

11.1 Routes of Exposure

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

11.2 Potential Health 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

11.3 Numerical measures of toxicity

No data available

11.4 Symptoms

Symptoms related to the physical, chemical, and toxicological characteristics:

No data available

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:

Chronic toxicity:

Not available

Eco/aquatic toxicity:

Not available

12.2 Persistence and Degradability

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

Absorption/desorption:

Mot available

Not available

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

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 regulated by US Department of Transportation (DOT), ADR/RID (cross border) IMDG and IATA/ICAO.

UN number:
UN proper shipping name:
Not available
Transport hazard class(es):
Packing group:
Not available
Not available
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 Section 302.

15.3 SARA 313 Components

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

15.4 SARA 311/312 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

Ethylenediaminetetraacetic acid, disodium salt (CAS# 6381-92-6) and RNase III are not listed in the TSCA. Remaining ingredients are listed in the TSCA inventory.

- 15.7 Canada Domestic Substances List / Non-Domestic Substances List (DSL/NDSL)
 All ingredients are listed except RNase III.
- 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 except RNase III.

SECTION 16: Other Information

16.1 Disclaimer

The information provided on the SDS is the most accurate information to the best knowledge of CELLSCRIPT™ 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™ assumes no liability for damage resulting from handling or contact with this product.

16.2 Document Revision

See the document footer for the last revision date.



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: Min-Immune[™] Gold 10X RNase III Treatment Buffer

Product Number: Component of kit.

Other means

of identification: None

1.2 Recommended Use and Restrictions on Use

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™ 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 8am-4pm CST

SECTION 2: Hazard(s) Identification

2.1 Classification of the Substance or Mixture

This product, as supplied, is not considered hazardous.

2.2 GHS Label elements, including precautionary statements

This product, as supplied, is not considered hazardous.

2.3 Hazards not otherwise classified

This product, as supplied, 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
Proprietary	N/A	N/A	N/A	N/A

Impurities: Not known.

SECTION 4: First Aid Measures

4.1 Description of first aid measures

Eye: 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. If feeling unwell, get

medical advice/attention.

4.2 Most important symptoms and effects

ACUTE No data available
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: Carbon oxides, nitrogen oxides, sodium oxides,

and sulfur oxide gas may be produced under fire

conditions.

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):

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 (see section 8). 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. Bulk materials and spill debris 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.

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. Do not store at -70°C.

Packaging materials: Store in original container.

Requirements for storage rooms and vessels: Not available

Incompatible materials: Strong oxidizing agents, bases, alkali

metals, and reducing agents.

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 & measures

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 worn.

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.

Hygiene measures: Handle in accordance with good industrial hygiene and safety

practice.

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.

Other information:

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 :Hq 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

TECHDOC-0109 Revision: 02 Last Revision Date: 03 Jan 2025

Not available

SECTION 10: Stability and Reactivity

Reactivity: No data available.

Chemical stability: Stable under normal recommended storage and usage

conditions.

Possibility of hazardous reactions: Under recommended conditions of storage and use,

hazardous reactions should not occur.

Conditions to avoid: Avoid concentration of liquid mixture to solids.

Incompatible materials: Strong oxidizing agents, bases, alkali metals, and reducing

agents.

Hazardous decomposition products: Under normal conditions of storage and use, no hazardous

decomposition products are known to be produced. See

section 5 for hazardous gases produced under fire

conditions.

SECTION 11: Toxicological Information

11.1 Routes of Exposure

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

11.2 Potential Health 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

11.3 Numerical measures of toxicity

No data available

11.4 Symptoms

Symptoms related to the physical, chemical, and toxicological characteristics:

No data available

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:

Chronic toxicity:

Not available

Eco/aquatic toxicity:

Not available

12.2 Persistence and Degradability

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

Absorption/desorption:

Mot available

Not available

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

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 regulated by US Department of Transportation (DOT), ADR/RID (cross border) IMDG and IATA/ICAO.

UN number:
UN proper shipping name:
Not available
Transport hazard class(es):
Packing group:
Not available
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 Section 302.

15.3 SARA 313 Components

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

15.4 SARA 311/312 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™ 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™ assumes no liability for damage resulting from handling or contact with this product.

16.2 Document Revision

See the document footer for the last revision date.



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: ScriptGuard™ RNase Inhibitor

Product Number: C-SRI6310K. Also a component of kit.

Other means

of identification: None

1.2 Recommended Use and Restrictions on Use

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™ 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 8am-4pm CST

SECTION 2: Hazard(s) Identification

2.1 Classification of the Substance or Mixture

This product, as supplied, is not considered hazardous.

2.2 GHS Label elements, including precautionary statements

This product, as supplied, is not considered hazardous.

2.3 Hazards not otherwise classified

This product, as supplied, 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
ScriptGuard™ RNase Inhibitor	N/A	N/A	N/A	N/A
Glycerol	C ₃ H ₈ O ₃	56-81-5	200-289-5	50%
2-Amino-2-(hydromethyl)-1,3- propanediol	C ₄ H ₁₁ NO ₃	77-86-1	201-064-4	50 mM
Sodium chloride	NaCl	7647-14-5	231-598-3	100 mM
Dithiothreitol (DTT)	C ₄ H ₁₀ O ₂ S ₂	3483-12-3	222-468-7	10 mM
Ethylenediaminetetraacetic acid (EDTA) Disodium Salt Dihydrate	C ₁₀ H ₁₄ N ₂ O ₈ •2H ₂ O	6381-92-6	205-358-3	0.1 mM
Triton X-100	C ₁₄ H ₂₂ O(C ₂ H ₄ O) _n (n= 9-10)	9002-93-1	618-344-0	0.1%

Impurities: Not known.

SECTION 4: First Aid Measures

4.1 Description of first aid measures

Eye: 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. If feeling unwell, get

medical attention.

4.2 Most important symptoms and effects

ACUTE No data available 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: Carbon oxides, nitrogen oxides, sodium oxides,

and sulfur oxide gas may be produced under fire

conditions.

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 (see section 8). Ensure adequate ventilation. Avoid contact with skin and eyes.

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. Bulk materials and spill debris 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.

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:

Measures to prevent aerosol/dust generation:

Mot available

Not available

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. Do not store at -70°C. Store in original container.

Packaging materials: Store in origin Requirements for storage rooms and vessels: Not available

Incompatible materials: Strong oxidizing agents, bases, alkali

metals, and reducing agents.

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/m³, mist, respirable fraction	CAL/OSHA PEL
			15 mg/m³, mist, total particulate	

Limit Types: Occupational exposure limits (OELs), permissible exposure limits (PELs), threshold limit values (TLVs) or time-weighted average (TWA).

TWA is a measurement of a worker's average exposure to a hazardous substance or airborne pollutant over a set period of time (e.g., 8 hr, 1 week).

8.2 Engineering controls

Safety shower, eye wash station and ventilation systems.

8.3 Personal protection equipment & measures

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 worn.

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.

Hygiene measures: Handle in accordance with good industrial hygiene and safety

practice.

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.

Other information:

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: Unknown Oxidizing properties: Unknown

TECHDOC-0014 Revision: 03 Last Revision Date: 03 Jan 2025

Not available

SECTION 10: Stability and Reactivity

Reactivity: No dangerous reactions known under normal storage and

usage conditions.

Chemical stability: Stable under normal recommended storage and usage

conditions.

Possibility of hazardous reactions: Under recommended conditions of storage and use,

hazardous reactions will not occur.

Conditions to avoid: Avoid concentration of liquid mixture to solids.

Incompatible materials: Strong oxidizing agents, bases, alkali metals, and reducing

agents

Hazardous decomposition products: Under normal conditions of storage and use, no hazardous

decomposition products are known to be produced. See

section 5 for hazardous gases produced under fire

conditions.

SECTION 11: Toxicological Information

11.1 Routes of Exposure

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

11.2 Potential Health Effects

Not available Eve: 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

11.3 Numerical measures of toxicity

No data available

11.4 Symptoms

Symptoms related to the physical, chemical, and toxicological characteristics: No data available

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:

Chronic toxicity:

Not available

Eco/aquatic toxicity:

Not available

12.2 Persistence and Degradability

Abiotic degradation:

Physical- and photo-chemical elimination:

Biodegradation:

Bioaccumulative potential:

Not available

Not available

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:

Absorption/desorption:

Mot available

Not available

Not available

12.5 Results of PBT and vPvB assessment

PBT results:

PvB results:

Not available

Not available

12.6 Other adverse effects

Additional information: None

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 regulated by US Department of Transportation (DOT), ADR/RID (cross border) IMDG and IATA/ICAO.

UN number:
UN proper shipping name:
Not available
Transport hazard class(es):
Packing group:
Not available
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 Section 302.

15.3 SARA 313 Components

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

15.4 SARA 311/312 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 except EDTA disodium dihydrate are listed in the TSCA Inventory. This product is for research use only.

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™ 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™ assumes no liability for damage resulting from handling or contact with this product.

16.2 Document Revision

See the document footer for the last revision date.

TECHDOC-0014 Revision: 03 147 of 174 Last Revision Date: 03 Jan 2025



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

Other means

of identification: None

1.2 Recommended Use and Restrictions on Use

This product is for research and development use only.

1.3 Details of the Supplier of the Safety Data Sheet

Company CELLSCRIPT™ 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 8am-4pm CST

SECTION 2: Hazard(s) Identification

2.1 Classification of the Substance or Mixture

This product, as supplied, is not considered hazardous.

2.2 GHS Label elements, including precautionary statements

This product, as supplied, is not considered hazardous.

2.3 Hazards not otherwise classified

This product, as supplied, 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
Water	H ₂ 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: 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: 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

ACUTE No data available
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. Wear proper PPE (see section 8). Ensure adequate ventilation.

Environmental precautions:

No special environmental precautions known.

Methods and material for containment and cleaning up.

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

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.

Use good industrial hygiene and safety General hygiene advice:

practices. Wash hands before breaks, in

use, and at the end of the workday.

Measures to prevent fire: Not available Not available Measures to prevent aerosol/dust generation: Measures to protect the environment: Not available

7.2 Conditions for safe storage, including any incompatibilities.

Store at -20°C in a freezer without a defrost Technical measures and storage conditions:

cvcle.

Store in original container. Packaging materials:

Requirements for storage rooms and vessels: Not available Incompatible materials: 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 & measures

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 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.

Hygiene measures: Handle in accordance with good industrial hygiene and safety

practice.

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:

Appearance/color

Odor:

Odor threshold:

PH:

Liquid

Clear

Odorless

Not available

Not available

Melting point/freezing point: 0°C
Initial boiling point and boiling range: 100°C

Flash Point:

Evaporation rate:

Flammability:

Lower flammability/explosive limit:

Upper flammability/explosive limit:

Vapor pressure:

Vapor density:

Not available

Not available

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: Stable under normal recommended storage and usage

conditions.

Possibility of hazardous reactions: Under recommended conditions of storage and use,

hazardous reactions will not occur.

Conditions to avoid:

Incompatible materials:

Hazardous decomposition products:

No data available.

No data available.

SECTION 11: Toxicological Information

11.1 Routes of Exposure

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

11.2 Potential Health Effects

Eye: Not available Skin: Not available Inhalation: Not available Not available Ingestion: 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

11.3 Numerical measures of toxicity

No data available

11.4 Symptoms

Symptoms related to the physical, chemical, and toxicological characteristics:

No data available

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:

Chronic toxicity:

Not available

Eco/aquatic toxicity:

Not available

12.2 Persistence and Degradability

Abiotic degradation:

Physical- and photo-chemical elimination:

Biodegradation:

Bioaccumulative potential:

Not available

Not available

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:

Absorption/desorption:

Mot available

Not available

Not available

12.5 Results of PBT and vPvB assessment

PBT results:

PvB results:

Not available

Not available

12.6 Other adverse effects

Additional information: None

SECTION 13: Disposal Considerations

13.1 Waste treatment methods

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

UN number:
UN proper shipping name:
Transport hazard class(es):
Packing group:
Environmental hazards:

Not available
Not available
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 Section 302.

15.3 SARA 313 Components

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

15.4 SARA 311/312 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™ 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™ assumes no liability for damage resulting from handling or contact with this product.

16.2 Document Revision

See the document footer for the last revision date.



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: 5 M Ammonium Acetate

Product Number: Component of kit.

Other means

of identification: None

1.2 Recommended Use and Restrictions on Use

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™ 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 8am-4pm CST

SECTION 2: Hazard(s) Identification

2.1 Classification of the Substance or Mixture

This product, as supplied, is not considered hazardous.

2.2 GHS Label elements, including precautionary statements

This product, as supplied, is not considered hazardous.

2.3 Hazards not otherwise classified

This product, as supplied, is not considered hazardous.

TECHDOC-0021 Revision: 02 157 of 174 Last Revision Date: 03 Jan 2025

SECTION 3: Composition / Information on Ingredients

3.1 Components of Substance or Mixture

Chemical name	Formula	CAS number	EC number	Concentration
Ammonium Acetate	C ₂ H ₇ NO ₂	631-61-8	211-162-9	5 M

Impurities: Not known.

SECTION 4: First Aid Measures

4.1 Description of first aid measures

Eye: 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
DELAYED No data available
CHRONIC No data available

4.3 Indication of any immediate medical attention and special treatment needed

No data available

TECHDOC-0021 Revision: 02 158 of 174 Last Revision Date: 03 Jan 2025

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: Carbon oxides, Nitrogen oxides (NO_x)

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):

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 (see section 8). Do not touch or walk through spilled material. Ensure adequate ventilation. Avoid dust formation. Avoid breathing vapors, mist, or gas.

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.

Not available Measures to prevent fire: Measures to prevent aerosol/dust generation: Not available Measures to protect the environment: Not available

TECHDOC-0021 Revision: 02 Last Revision Date: 03 Jan 2025 159 of 174

7.2 Conditions for safe storage, including any incompatibilities.

Technical measures and storage conditions: Store in a cool, dry location in a tightly

sealed container.

Packaging materials: Store in original container.

Requirements for storage rooms and vessels: Not available

Incompatible materials: Strong oxidizing agents, strong acids,

sodium hypochlorite.

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 & measures

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 worn.

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.

Hygiene measures: Handle in accordance with good industrial hygiene and safety

practice.

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.

TECHDOC-0021 Revision: 02 160 of 174 Last Revision Date: 03 Jan 2025

SECTION 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Physical state:

Appearance/color

Odor:

Odor threshold:

Liquid

Clear

Odorless

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: Stable under normal 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: Strong oxidizing agents, strong acids, sodium hypochlorite.

Hazardous decomposition products: Carbon oxides and Nitrogen oxides (NO_x)

TECHDOC-0021 Revision: 02 161 of 174 Last Revision Date: 03 Jan 2025

SECTION 11: Toxicological Information

11.1 Routes of Exposure

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

11.2 Potential Health 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

11.3 Numerical measures of toxicity

No data available

11.4 Symptoms

Symptoms related to the physical, chemical, and toxicological characteristics:

No data available

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.

TECHDOC-0021 Revision: 02 Last Revision Date: 03 Jan 2025 162 of 174

SECTION 12: Ecological Information

12.1 Ecotoxicity

Acute toxicity:

Chronic toxicity:

Not available

Eco/aquatic toxicity:

Not available

12.2 Persistence and Degradability

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

Absorption/desorption:

Mot available

Not available

Not available

12.5 Results of PBT and vPvB assessment

PBT results:

PvB results:

Not available

Not available

12.6 Other adverse effects

Additional information: No known significant effects or critical hazards.

TECHDOC-0021 Revision: 02 163 of 174 Last Revision Date: 03 Jan 2025

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. Prevent material from entering drains,

Sewage disposal-relevant information:

Prevent material from entering

sewer, and waterways.

Other disposal recommendations: None

SECTION 14: Transport Information

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

UN number:
UN proper shipping name:
Not available
Transport hazard class(es):
Packing group:
Not available
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 Section 302.

15.3 SARA 313 Components

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

15.4 SARA 311/312 Hazards

See section 2 for more information.

TECHDOC-0021 Revision: 02 164 of 174 Last Revision Date: 03 Jan 2025

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 Chemical is listed.

- 15.7 Canada Domestic Substances List / Non-Domestic Substances List (DSL/NDSL)
 Chemical is 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™ 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™ assumes no liability for damage resulting from handling or contact with this product.

16.2 Document Revision

See the document footer for the last revision date.

TECHDOC-0021 Revision: 02 165 of 174 Last Revision Date: 03 Jan 2025



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: T7 Control DNA Template

Product Number: Component of kit.

Other means

of identification: None

1.2 Recommended Use and Restrictions on Use

This product is for research and development use only.

1.3 Details of the Supplier of the Safety Data Sheet

Company CELLSCRIPT™ 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 8am-4pm CST

SECTION 2: Hazard(s) Identification

2.1 Classification of the Substance or Mixture

This product, as supplied, is not considered hazardous.

2.2 GHS Label elements, including precautionary statements

This product, as supplied, is not considered hazardous.

2.3 Hazards not otherwise classified

This product, as supplied, 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
Tris(hydroxymethyl)aminomethane	(HOCH ₂) ₃ CNH ₂	77-86-1	201-064-4	10 mM
Ethylenediaminetetraacetic acid (EDTA) disodium salt dihydrate	C ₁₀ H ₁₄ N ₂ Na ₂ O ₈ ·2H ₂ O	6381-92-6	613-386-6	1 mM

Impurities: Not known.

SECTION 4: First Aid Measures

4.1 Description of first aid measures

Eye: 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
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):

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 (see section 8). 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:

Measures to prevent aerosol/dust generation:

Measures to protect the environment:

Not available

Not available

TECHDOC-0019 Revision: 02 168 of 174 Last Revision Date: 03 Jan 2025

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

Incompatible materials: Strong oxidizing agents.

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 & measures

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 worn.

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.

Hygiene measures: Handle in accordance with good industrial hygiene and safety

practice.

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.

TECHDOC-0019 Revision: 02 169 of 174 Last Revision Date: 03 Jan 2025

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: Unknown Oxidizing properties: Unknown Other information: Not available

SECTION 10: Stability and Reactivity

Reactivity: No data available.

Chemical stability: Stable under normal recommended storage and usage

conditions.

Possibility of hazardous reactions: No data available.

Conditions to avoid: No data available.

Incompatible materials: Strong oxidizing agents.

Hazardous decomposition products: No data available.

TECHDOC-0019 Revision: 02 170 of 174 Last Revision Date: 03 Jan 2025

SECTION 11: Toxicological Information

11.1 Routes of Exposure

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

11.2 Potential Health 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

11.3 Numerical measures of toxicity

No data available

11.4 Symptoms

Symptoms related to the physical, chemical, and toxicological characteristics:

No data available

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.

171 of 174 Last Revision Date: 03 Jan 2025 TECHDOC-0019 Revision: 02

SECTION 12: Ecological Information

12.1 Ecotoxicity

Acute toxicity:

Chronic toxicity:

Not available
Eco/aquatic toxicity:

Not available
Not available

12.2 Persistence and Degradability

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

Absorption/desorption:

Mot available

Not available

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

SECTION 13: Disposal Considerations

13.1 Waste treatment methods

Sewage disposal-relevant information:

Product/packaging 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. Prevent material from entering drains,

sewer, and waterways.

Other disposal recommendations: None

TECHDOC-0019 Revision: 02 172 of 174 Last Revision Date: 03 Jan 2025

SECTION 14: Transport Information

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

UN number:
UN proper shipping name:
Transport hazard class(es):
Packing group:
Not available
Not available
Not available
Not available
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 Section 302.

15.3 SARA 313 Components

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

15.4 SARA 311/312 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

Ethylenediaminetetraacetic acid, disodium salt (CAS# 6381-92-6) is not listed in the TSCA. Remaining 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.

TECHDOC-0019 Revision: 02 173 of 174 Last Revision Date: 03 Jan 2025

SECTION 16: Other Information

16.1 Disclaimer

The information provided on the SDS is the most accurate information to the best knowledge of CELLSCRIPT™ 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™ assumes no liability for damage resulting from handling or contact with this product.

16.2 Document Revision

See document footer for last revision date.