



1121 5th Street NW
Washington, DC 20001
www.edvotek.com

Safety Data Sheet

Version 3
Revision Date 05/14/2025

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: 10X Gel loading
Solution

Product Number: 607

Brand: Edvotek

Supplier: Edvotek
1121 5th Street NW
Washington, DC
20001

Telephone: 1-800-338-6835
or 202-370-1500

Fax: 202-370-1501

Emergency Phone #: 202-370-1500

2. HAZARDS IDENTIFICATION

Emergency Overview

OSHA Hazards:

No known OSHA hazards
Not a dangerous substance or mixture
according to the Globally Harmonized
System (GHS).

HMIS Classification:

Health hazard: 0

Flammability: 0

Physical hazard: 0

NFPA Rating:

Health hazard: 0

Fire: 0

Reactivity Hazard: 0

Potential Health Effects:

Inhalation May be harmful if inhaled

Skin- May be harmful if absorbed
through skin. Causes skin irritation.

Eyes- May cause eye irritation.

Ingestion- May be harmful if
swallowed.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture of the substances listed below with nonhazardous additions.

Chemical name	EC No.	CAS –No	Concentration
Ethylenediaminetetraacetic acid (EDTA)	200-449-4	60-00-4	
Bromophenol blue	201-064-4	115-39-9	
Glycerol	200-289-5	56-81-5	

4. FIRST AID MEASURES

General information

No special measures required.

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult doctor in case of complaints.

In case of skin contact

Wash off with soap and plenty of water. Get medical attention if symptoms develop.

In case of eye contact

Flush eyes with water as a precaution. Get medical attention immediately if irritation persists.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Get medical attention if symptoms develop.

5. FIREFIGHTING MEASURES

Conditions of flammability

Not flammable or combustible.

Suitable extinguishing media

Use water spray, alcohol resistant foam, dry chemical or carbon dioxide.

Special protective equipment for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

Hazardous combustion products

May emit toxic and/or irritating fumes under fire conditions.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Prevent skin/eye contact. Use personal protective equipment as needed.

Environmental precautions

Dilute with plenty of water. Do not allow to enter sewers/ surface or ground water.

Methods and materials for containment and cleaning up

Clean up spills immediately. Use absorbent materials if needed and dispose into a chemical waste container.

7. HANDLING AND STORAGE

Precautions for safe handling

No special measures necessary. Good laboratory technique should be used when handling.

Conditions for safe storage

No special measures necessary. Store at room temperature.

Incompatible Products

Strong oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal protective equipment

Respiratory protection

Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection

Wear protective gloves. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.

Eye protection

Avoid eye contact with this material. Wear chemical safety goggles.

Skin and body protection

Use chemical gloves as needed. Use clean protective body covering clothing as needed to minimize contact with clothing and skin.

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice. Wash and dry hands at the end of workday.

9. PHYSICAL AND CHEMICAL PROPERTIES**Appearance**

Form liquid
Colour Blue
Odor No odor

Safety data

pH	7-9
Melting point/freezing point	no data available
Boiling point	~ 100°C
Flash point	no data available
Ignition temperature	no data available
Autoignition Temperature	no data available
Lower explosion limit	no data available
Upper explosion limit	no data available
Vapour pressure	no data available
Density (water=1)	1.0
Water solubility	no data available
Partition coefficient: n-octanol/water	no data available
Relative vapour Density	no data available
Odour Threshold	no data available
Evaporation rate	no data available

10. STABILITY AND REACTIVITY**Chemical stability**

Stable under recommended storage conditions.

Possibility of hazardous reactions

No further relevant data available.

Conditions to avoid

No further relevant data available.

Materials to avoid

No further relevant data available.

Hazardous decomposition products

No dangerous decomposition products known.

11. TOXICOLOGICAL INFORMATION**Acute toxicity LD/LC50 values**

no data available

Serious eye damage/eye irritation

no data available

Skin corrosion/irritation

no data available

Reproductive toxicity

no data available

Teratogenicity

no data available

Aspiration hazard

no data available

Synergistic effects

no data available

Respiratory or skin sensitization

no data available

Germ cell mutagenicity

no data available

Carcinogenicity

No component of this product are listed by IARC, ACGIH, NTP and OSHA

12. ECOLOGICAL INFORMATION**Toxicity**

no data available

Mobility in soil

no data available

Persistence and degradability

no data available

PBT and vPvB assessment

no data available

Bioaccumulative potential

no data available

Other adverse effects

no data available

13. DISPOSAL CONSIDERATIONS**Product**

Dispose of unused product, residues, and containers according to local, regional, state, and national regulations.

Contaminated packaging

Dispose of as unused product.

14. TRANSPORT INFORMATION**DOT (US)**

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

15. REGULATORY INFORMATION

OSHA Hazards

No known OSHA hazards

SARA 302 Components

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

SARA 313 Components

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the reporting levels established by SARA Title III, Section 313.

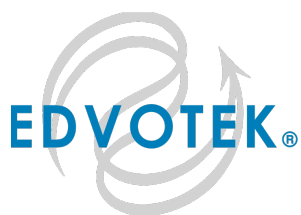
SARA 311/312 Hazards

No SARA Hazards

16. OTHER INFORMATION

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1121 5th Street NW
Washington, DC 20001
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Safety Data Sheet

Version 3
Revision Date 05/14/2025

1. PRODUCT AND COMPANY IDENTIFICATION

Product name:	Electrophoresis Buffer 50X TAE	Telephone:	1-800-338-6835 or 202-370-1500
Product Number:	607	Fax:	202-370-1501
Brand:	Edvotek	Emergency Phone # (For both supplier and Manufacturer):	202-370-1500
Supplier:	Edvotek 1121 5 th Street NW Washington, DC 20001		

2. HAZARDS IDENTIFICATION

Emergency Overview

OSHA Hazards:
Irritant

Signal word
Warning

Pictogram



HMIS Classification:

Health hazard: 0
Flammability: 0
Physical hazard: 0

NFPA Rating:

Health hazard: 0
Fire: 0
Reactivity Hazard: 0

Potential Health Effects:**Inhalation:** May be harmful if inhaled.**Skin-** May be harmful if absorbed.
through skin. Causes skin irritation.**Eyes:** May cause eye irritation.**Ingestion:** May be harmful if
swallowed.**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Mixture of the substances listed below with nonhazardous additions.

Chemical name	EC No.	CAS –No	Concentration
Ethylenediaminetetraacetic acid (EDTA)	200-449-4	60-00-4	
2-amino-2-(hydroxymethyl)-1,3-propanediol (TRIS)	201-064-4	77-86-1	
Acetic acid	200-580-7	64-19-7	

4. FIRST AID MEASURES**General information**

No special measures required.

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult doctor in case of complaints.

In case of skin contact

Immediately wash off with soap and plenty of water. Get medical attention if symptoms develop.

In case of eye contact

Flush eyes with water as a precaution. Get medical attention immediately if irritation persists.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Get medical attention if symptoms develop.

5. FIREFIGHTING MEASURES

Conditions of flammability

Not flammable or combustible.

Suitable extinguishing media

Use water spray, alcohol resistant foam, dry chemical or carbon dioxide.

Special protective equipment for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

Hazardous combustion products

May emit toxic and/or irritating fumes under fire conditions.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Prevent skin/eye contact. Use personal protective equipment as needed.

Environmental precautions

Dilute with plenty of water. Do not allow to enter sewers/ surface or ground water.

Methods and materials for containment and cleaning up

Clean up spills immediately. Use absorbent materials if needed and dispose into a chemical waste container.

7. HANDLING AND STORAGE

Precautions for safe handling

No special measures necessary. Good laboratory technique should be used when handling.

Conditions for safe storage

No special measures necessary. Store at room temperature.

Incompatible Products

No known products.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal protective equipment

Respiratory protection

Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection

Wear protective gloves. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Eye protection

Avoid eye contact with this material. Wear chemical safety glasses with side shields or chemical safety goggles.

Skin and body protection

Use chemical gloves as needed. Use clean protective body covering clothing as needed to minimize contact with clothing and skin.

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice. Wash and dry hands at the end of workday.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form	liquid
Colour	colorless
Odor	Odorless

Safety data

pH	7-9
Melting point/freezing point	no data available
Boiling point	~ 100°C
Flash point	no data available
Ignition temperature	no data available
Autoignition Temperature	no data available
Lower explosion limit	no data available
Upper explosion limit	no data available
Vapour pressure	no data available
Density (water=1)	1.020
Water solubility	no data available
Partition coefficient:	
n-octanol/water	no data available
Relative vapour Density	no data available
Odour Threshold	no data available
Evaporation rate	no data available

10. STABILITY AND REACTIVITY

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

No further relevant data available.

Conditions to avoid

No further relevant data available.

Materials to avoid

No further relevant data available.

Hazardous decomposition products

No dangerous decomposition products known.

11. TOXICOLOGICAL INFORMATION**Acute toxicity LD/LC50 values**

no data available

Serious eye damage/eye irritation

no data available

Skin corrosion/irritation

no data available

Reproductive toxicity

no data available

Teratogenicity

no data available

Respiratory or skin sensitization

no data available

Germ cell mutagenicity

no data available

Carcinogenicity

No component of this product are listed by IARC, ACGIH, NTP and OSHA.

Aspiration hazard

no data available

Synergistic effects

no data available

12. ECOLOGICAL INFORMATION**Toxicity**

no data available

Persistence and degradability

no data available

Bioaccumulative potential

no data available

Mobility in soil

no data available

PBT and vPvB assessment

no data available

Other adverse effects

no data available

13. DISPOSAL CONSIDERATIONS**Product**

Dispose of unused product, residues, and containers according to local, regional, state, and national regulations.

Contaminated packaging

Dispose of as unused product.

14. TRANSPORT INFORMATION**DOT (US)**

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

15. REGULATORY INFORMATION**OSHA Hazards**

No known OSHA hazards.

SARA 302 Components

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

SARA 313 Components

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the reporting levels established by SARA Title III, Section 313.

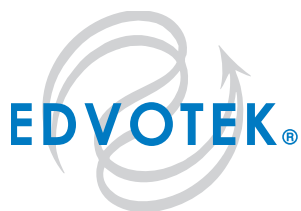
SARA 311/312 Hazards

No SARA Hazards

16. OTHER INFORMATION

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Washington, DC 20001
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Safety Data Sheet

Version 3
Revision Date 05/14/2025

1. PRODUCT AND COMPANY IDENTIFICATION

Product name:	Potassium Acetate	Telephone:	1-800-338-6835
Product Number:			or 202-370-1500
Brand:	Edvotek	Fax:	202-370-1501
Supplier:	Edvotek	Emergency Phone #:	202-370-1500
	1121 5 th Street NW		
	Washington, DC		
	20001		

2. HAZARDS IDENTIFICATION

Emergency Overview

OSHA Hazards:

No known OSHA hazards.

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS).

HMIS Classification:

Health hazard: 1
Flammability: 0
Physical hazard: 0

NFPA Rating:

Health hazard: 1
Fire: 0
Reactivity Hazard: 0

Potential Health Effects:

Inhalation: May be harmful if inhaled.
Skin: May be harmful if absorbed through skin. May cause skin irritation.
Eyes: May cause eye irritation.
Ingestion: May be harmful if swallowed.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Formula : $C_2H_7NO_2$

Molecular Weight : 77.08 g/mol

CAS-No. : 631-61-8

EC-No. : 211-162-9

No ingredients are hazardous according to OSHA criteria.

4. FIRST AID MEASURES

General information

No special measures required.

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult doctor in case of complaints.

In case of skin contact

Immediately wash off with soap and plenty of water. Get medical attention if symptoms develop.

In case of eye contact

Flush eyes with water as a precaution. Get medical attention immediately if irritation persists.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Get medical attention if symptoms develop.

5. FIREFIGHTING MEASURES

Conditions of flammability

Not flammable or combustible.

Suitable extinguishing media

Use water spray, alcohol resistant foam, dry chemical or carbon dioxide.

Special protective equipment for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

Hazardous combustion products

Carbon oxides, nitrogen oxides (NO_x)

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Prevent skin/eye contact. Use personal protective equipment as needed.

Environmental precautions

Dilute with plenty of water. Do not allow to enter sewers/ surface or ground water.

Methods and materials for containment and cleaning up

Clean up spills immediately. Use absorbent materials if needed and dispose into a chemical waste container.

7. HANDLING AND STORAGE

Precautions for safe handling

No special measures necessary. Good laboratory technique should be used when handling.

Conditions for safe storage

No special measures necessary. Store at 2-8 °C.

Incompatible Products

No known products

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Personal protective equipment

Respiratory protection

Use respirators and components tested and approved under appropriate

government standards such as NIOSH (US) or CEN (EU). **Hand protection**

Wear protective gloves. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.

Eye protection

Avoid eye contact with this material. Wear chemical safety goggles.

Skin and body protection

Use chemical gloves as needed. Use clean protective body covering clothing as needed to minimize contact with clothing and skin.

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice. Wash and dry hands at the end of workday.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form liquid
Color colorless
Odor no data available

Safety data

pH	no data available
Melting point/freezing point	no data available
Boiling point	no data available
Flash point	no data available
Ignition temperature	no data available
Autoignition Temperature	no data available
Lower explosion limit	no data available
Upper explosion limit	no data available
Vapor pressure	no data available
Density (water=1)	no data available
Water solubility	no data available
Partition coefficient:	
n-octanol/water	no data available
Relative vapour Density	no data available
Odour Threshold	no data available
Evaporation rate	no data available

10. STABILITY AND REACTIVITY

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

No further relevant data available.

Conditions to avoid

No further relevant data available.

Materials to avoid

No further relevant data available.

Hazardous decomposition products

- Carbon oxides, Potassium oxides

11. TOXICOLOGICAL INFORMATION

Acute toxicity LD/LC50 values

no data available

Serious eye damage/eye irritation

no data available

Respiratory or skin sensitization

no data available

Germ cell mutagenicity

no data available

Skin corrosion/irritation

no data available

Carcinogenicity

No components of this product are listed by IARC, ACGIH, NTP and OSHA.

Reproductive toxicity

no data available

Teratogenicity

no data available

Aspiration hazard

no data available

Synergistic effects

no data available

12. ECOLOGICAL INFORMATION**Toxicity**

no data available

PBT and vPvB assessment

no data available

Persistence and degradability

no data available

Other adverse effects

no data available

Bioaccumulative potential

no data available

Mobility in soil

no data available

13. DISPOSAL CONSIDERATIONS**Product**

Dispose of unused product, residues, and containers according to local, regional, state, and national regulations.

Contaminated packaging

Dispose of as unused product.

14. TRANSPORT INFORMATION**DOT (US)**

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

15. REGULATORY INFORMATION

OSHA Hazards

No known OSHA hazards.

SARA 302 Components

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

SARA 313 Components

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the reporting levels established by SARA Title III, Section 313.

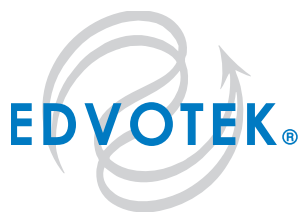
SARA 311/312 Hazards

No SARA Hazards.

16. OTHER INFORMATION

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1121 5th Street NW
Washington, DC 20001
www.edvotek.com

Safety Data Sheet

Version 3
Revision Date 05/14/2025

1. PRODUCT AND COMPANY IDENTIFICATION

Product name:	DNA Extraction Buffer	Telephone:	1-800-338-6835 or 202-370-1500
Product Number:		Fax:	202-370-1501
Brand:	Edvotek	Emergency Phone #:	202-370-1500
Supplier:	Edvotek 1121 5 th Street NW Washington, DC 20001		

2. HAZARDS IDENTIFICATION

Emergency Overview

GHS Classification

Eye irritation (Category 2A)

Signal Word

Irritant

Pictogram



Hazard(s) Statements

H319 Causes serious eye irritation

Precautionary statement(s)

P305 + P351 + P338 IF IN EYES:

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

HMIS Classification:

Health hazard: 2

Flammability: 0

Physical hazard: 0

NFPA Rating:

Health hazard: 2

Fire: 0

Reactivity Hazard: 0

Potential Health Effects:

Inhalation May be harmful if inhaled.

Causes respiratory tract irritation

Skin May be harmful if absorbed through skin. cause skin irritation.

Eyes May cause eye irritation.

Ingestion May be harmful if swallowed.

4. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture of the substances listed bellow with nonhazardous additions.

Chemical name	EC No.	CAS –No	Concentration
EDTA	200-449-4	60-00-4	--
Water			

5. FIRST AID MEASURES

General information

No special measures required.

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult doctor in case of complaints.

In case of skin contact

Immediately wash off with soap and plenty of water. Get medical attention if symptoms develop.

In case of eye contact

Flush eyes with water as a precaution. Get medical attention immediately if irritation persists.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Get medical attention if symptoms develop.

6. FIREFIGHTING MEASURES

Conditions of flammability

Not flammable or combustible.

Suitable extinguishing media

Use water spray, alcohol resistant foam, dry chemical or carbon dioxide.

Special protective equipment for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

Hazardous combustion products

Carbon oxides, Nitrogen oxides (NOx).

7. ACCIDENTAL RELEASE MEASURES

Personal precautions

Prevent skin/eye contact. Use personal protective equipment as needed.

Environmental precautions

Dilute with plenty of water. Do not allow to enter sewers/ surface or ground water.

Methods and materials for containment and cleaning up

Clean up spills immediately. Use absorbent materials if needed and dispose into a chemical waste container.

8. HANDLING AND STORAGE

Precautions for safe handling

No special measures necessary. Good laboratory technique should be used when handling.

Conditions for safe storage

No special measures necessary. Store at room temperature.

Incompatible Products

No known

Personal protective equipment

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Respiratory protection

Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection

Wear protective gloves. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.

Eye protection

Avoid eye contact with this material. Wear chemical safety goggles.

Skin and body protection

Use chemical gloves as needed. Use clean protective body covering clothing as needed to minimize contact with clothing and skin.

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice. Wash and dry hands at the end of workday.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form	liquid
Colour	colorless
Odor	no data available

Safety data

pH	no data available
Melting point/freezing point	no data available
Boiling point	no data available

Flash point	no data available
Ignition temperature	no data available
Autoignition Temperature	no data available
Lower explosion limit	no data available
Upper explosion limit	no data available
Vapour pressure	no data available
Density (water=1)	no data available
Water solubility	no data available
Partition coefficient:	
n-octanol/water	no data available
Relative vapour Density	no data available
Odour Threshold	no data available
Evaporation rate	no data available

10. STABILITY AND REACTIVITY

Chemical stability

Stable under recommended storage conditions.

Conditions to avoid

No further relevant data available.

Possibility of hazardous reactions

No further relevant data available.

Materials to avoid

No further relevant data available.

Hazardous decomposition products

No dangerous decomposition products

11. TOXICOLOGICAL INFORMATION

Acute toxicity LD/LC50 values

no data available

Serious eye damage/eye irritation

no data available

Respiratory or skin sensitization

no data available

Germ cell mutagenicity

no data available

Skin corrosion/irritation

no data available

Carcinogenicity

No components of this product are listed by IARC, ACGIH, NTP and OSHA.

Reproductive toxicity

no data available

Teratogenicity

no data available

Aspiration hazard

no data available

Synergistic effects

no data available

12. ECOLOGICAL INFORMATION

Toxicity

no data available

Mobility in soil

no data available

Persistence and degradability

no data available

PBT and vPvB assessment

no data available

Bioaccumulative potential

no data available

Other adverse effects

no data available

13. DISPOSAL CONSIDERATIONS

Product

Dispose of unused product, residues, and containers according to local, regional, state, and national regulations.

Contaminated packaging

Dispose of as unused product.

14. TRANSPORT INFORMATION

DOT (US)

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

15. REGULATORY INFORMATION

OSHA Hazards

No known OSHA hazards.

SARA 302 Components

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

SARA 313 Components

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards

No SARA Hazards.

16. OTHER INFORMATION

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Safety Data Sheet

Version 3
Revision Date 05/14/2025

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: InstaStain Blue
Sheets
Product Number: 2003, 2004, 2006
Brand: Edvotek
Supplier: Edvotek
1121 5th Street NW
Washington, DC
20001

Telephone: 1-800-338-6835
or 202-370-1500
Fax: 202-370-1501
**Emergency Phone # (For both supplier
and Manufacturer):**
202-370-1500

2. HAZARDS IDENTIFICATION

Emergency Overview

OSHA Hazards:

Skin Irritant 2
Eye Irritant 2

Signal Word

Warning

Pictogram



Hazard Statements

H315 - Causes skin irritation

H319 - Causes serious eye irritation

Precautionary Statements

P280 - Wear protective
gloves/protective clothing/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 for several
minutes. Remove contact lenses, if
present and easy to do. Continue
rinsing.

HMIS Classification:

Health hazard: 2
 Flammability: 0
 Physical hazard: 0

NFPA Rating:

Health hazard: 2

Potential Health Effects:

Reactivity Hazard: 0
 Fire: 0

Inhalation: May be harmful if inhaled.

Causes respiratory tract irritation

Skin: Harmful if absorbed through skin. Causes skin irritation.

Eyes: Causes eye irritation.

Ingestion: Harmful if swallowed.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms:

3,7-Bis(dimethylamino) phenazathionium chloride

3,7-Bis(dimethylamino) phenothiazin-5-ium chloride

Formula: C₁₆H₁₈ClN₃S

Molecular Weight: 319.85 g/mol

Chemical name	EC No.	CAS –No	Concentration
3,7-Bis(dimethylamino) phenazathionium chloride	200-515-2	61-73-4	

4. FIRST AID MEASURES

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult doctor in case of complaints.

In case of skin contact

Immediately wash off with soap and plenty of water. Get medical attention if symptoms develop.

In case of eye contact

Flush eyes with water as a precaution. Get medical attention immediately if irritation persists.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Get medical attention if symptoms develop.

5. FIREFIGHTING MEASURES

Conditions of flammability

Not flammable or combustible.

Suitable extinguishing media

Use water spray, alcohol resistant foam, dry chemical or carbon dioxide.

Special protective equipment for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

Hazardous combustion products

May emit toxic and/or irritating fumes under fire conditions.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Prevent skin/eye contact. Use personal protective equipment as needed.

Environmental precautions

Dilute with plenty of water. Do not allow to enter sewers/ surface or ground water.

Methods and materials for containment and cleaning up

Clean up spills immediately. Use absorbent materials if needed and dispose into a chemical waste container.

7. HANDLING AND STORAGE

Precautions for safe handling

Avoid contact with skin and eyes. Good laboratory technique should be used when handling.

Conditions for safe storage

Keep containers tightly closed in a dry, cool and well-ventilated place.

Incompatible Products

Strong oxidizing agents

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Contains no substances with occupational exposure limit value

Personal protective equipment

Respiratory protection

Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection

Wear protective gloves. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Eye protection

Avoid eye contact with this material. Wear chemical safety glasses with side shields or chemical safety goggles.

Skin and body protection

Use chemical gloves as needed. Use clean protective body covering clothing as needed to minimize contact with clothing and skin.

Hygiene measures

General industrial hygiene practice. Keep away from foodstuffs and beverages. Avoid contact with the eyes and skin. Do not eat, drink or smoke while working with products.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form	paper
Colour	Blue
Odor	No odor

Safety data

pH	no data available
Melting point/freezing point	no data available
Boiling point	no data available
Flash point	no data available
Ignition temperature	no data available
Autoignition Temperature	no data available
Lower explosion limit	no data available
Upper explosion limit	no data available
Vapour pressure	no data available
Density (water=1)	no data available
Water solubility	no data available
Partition coefficient: n-octanol/water	no data available
Relative vapour Density	no data available
Odour Threshold	no data available
Evaporation rate	no data available

10. STABILITY AND REACTIVITY

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

No further relevant data available.

Conditions to avoid

No further relevant data available.

Materials to avoid

No further relevant data available

Hazardous decomposition products

Carbon oxides. Nitrogen oxides (NOx). Sulfur oxides. Hydrogen chloride gas.

11. TOXICOLOGICAL INFORMATION**Acute toxicity LD/LC50 values**

no data available

Serious eye damage/eye irritation

no data available

Skin corrosion/irritation

no data available

Reproductive toxicity

no data available

Teratogenicity

no data available

Respiratory or skin sensitization

no data available

Germ cell mutagenicity

no data available

Carcinogenicity

No components of this product are listed by IARC, ACGIH, NTP and OSHA.

Aspiration hazard

no data available

Synergistic effects

no data available

12. ECOLOGICAL INFORMATION**Toxicity**

no data available

Persistence and degradability

no data available

Bioaccumulative potential

no data available

Mobility in soil

no data available

PBT and vPvB assessment

no data available

Other adverse effects

no data available

13. DISPOSAL CONSIDERATIONS

Product

Dispose of unused product, residues, and containers according to local, regional, state, and national regulations.

Contaminated packaging

Dispose of as unused product.

14. TRANSPORT INFORMATION

DOT (US)

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

15. REGULATORY INFORMATION

OSHA Hazards

No known OSHA hazards

OSHA Hazards

Target Organ Effect, Harmful by ingestion, Irritant

SARA 302 Components

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

SARA 313 Components

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards

Acute Health Hazard, Chronic Health Hazard.

16. OTHER INFORMATION

For educational use only. Not intended for human or animal diagnostic or therapeutic uses.

The above information was acquired by diligent search and/or investigation and the recommendations are based on prudent application of professional judgment. The information shall not be taken as being all inclusive and is to be used only as a guide. All materials and mixtures may present unknown hazards and should be used with caution. Since the Company cannot control the actual methods, volumes, or conditions of use, the Company shall not be held liable for any damages or losses resulting from the handling or from contact with the product as described herein. THE INFORMATION IN THIS SDS DOES NOT CONSTITUTE A WARRENTY, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE.



1121 5th Street NW
Washington, DC 20001
www.edvotek.com

Safety Data Sheet

Version 3
Revision Date 05/14/2025

1. PRODUCT AND COMPANY IDENTIFICATION

Product name:	InstaStain Ethidium Bromide	Telephone:	1-800-338-6835 or 202-370-1500
Product Number:	2000, 2002, 20005	Fax:	202-370-1501
Brand:	Edvotek	Emergency Phone # (For both supplier and Manufacturer):	202-370-1500
Supplier:	Edvotek 1121 5 th Street NW Washington, DC 20001		

2. HAZARDS IDENTIFICATION

Emergency Overview

GHS Classification

Acute toxicity, Oral (Category 4)
Acute toxicity, Inhalation (Category 2)
Germ Cell mutagenicity (Category 2)
Skin irritant (Category 2)

Signal word

Danger

Pictograms



Hazard statement(s)

H302 Harmful if swallowed.
H330 Fatal if inhaled.
H341 Suspected of causing genetic defects.

Precautionary statement(s)

P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.

P281 Use personal protective equipment as required.

P310

Immediately call a POISON CENTER or doctor/ physician

HMIS Classification:

Health hazard: 3

Flammability: 0

Physical hazard: 0

NFPA Rating:

Health hazard: 4

Fire: 0

Reactivity Hazard: 0

OSHA Hazards

Highly toxic by inhalation, Harmful by ingestion, Mutagen

Potential Health Effects:

Inhalation May be harmful if inhaled.

May cause respiratory tract irritation.

Skin- May be harmful if absorbed through skin. May cause skin irritation.

Eyes- May cause eye irritation.

Ingestion- Harmful if swallowed.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms: EtBr

3,8-Diamino-5-ethyl-6-phenylphenanthridinium bromide

Homidium bromide

Formula: C₂₁H₂₀BrN₃

Molecular Weight: 394.31 g/mol

Chemical name	EC No.	CAS –No	Concentration
3,8-Diamino-1-ethyl-6-phenylphenanthridinium bromide	214-984-6	1239-45-8	

4. FIRST AID MEASURES

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration.

In case of skin contact

Immediately wash off with soap and plenty of water. Get medical attention if symptoms develop.

In case of eye contact

Flush eyes with water as a precaution. Get medical attention immediately if irritation persists.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Get medical attention if symptoms develop.

5. FIREFIGHTING MEASURES

Conditions of flammability

Not flammable or combustible.

Suitable extinguishing media

Use water spray, alcohol resistant foam, dry chemical or carbon dioxide.

Special protective equipment for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

Hazardous combustion products

Emits toxic fumes.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Prevent skin/eye contact. Use personal protective equipment as needed.

Environmental precautions

Dilute with plenty of water. Do not allow to enter sewers/ surface or ground water.

Methods and materials for containment and cleaning up

Clean up spills immediately. Use absorbent materials if needed and dispose into a chemical waste container.

7. HANDLING AND STORAGE**Precautions for safe handling**

Handle in accordance with good industrial hygiene and safety practice.

Incompatible storage

Strong oxidizing agent

Conditions for safe storage

Keep in the dark in a dry and well-ventilated place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Personal protective equipment****Respiratory protection**

Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection

Wear protective gloves. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.

Eye protection

Avoid eye contact with this material. Wear chemical safety goggles.

Skin and body protection

Use chemical gloves as needed. Use clean protective body covering clothing as needed to minimize contact with clothing and skin.

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice. Wash and

9. PHYSICAL AND CHEMICAL PROPERTIES

dry hands at the end of workday.

Appearance

Form chemical bound to paper
Colour no color

Safety data

pH	4.0-7.0
Melting point/freezing point	no data available
Boiling point	no data available
Flash point	no data available
Ignition temperature	no data available
Autoignition Temperature	no data available
Lower explosion limit	no data available
Upper explosion limit	no data available
Vapour pressure	no data available
Density	no data available
Water solubility	no data available
Partition coefficient:	
n-octanol/water	no data available
Relative vapour Density	no data available
Odour	no data available
Odour Threshold	no data available
Evaporation rate	no data available

10. STABILITY AND REACTIVITY

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

No further relevant data available.

Conditions to avoid

No further relevant data available.

Materials to avoid

Strong oxidizing agents.

Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. Carbon

oxides, nitrogen oxides (NO_x), Hydrogen bromide gas.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Oral LD50

LD50

Oral-rat-1,503 -2,177 mg/kg

Inhalation LC50

LC50

Inhalation-rat-1 h-11.8 -134 mg/l

Dermal LD50

no data available

no data available

Reproductive toxicity

no data available

Teratogenicity

no data available

Skin corrosion/irritation

no data available

Serious eye damage/eye irritation

no data available

Respiratory or skin sensitization

no data available

Germ cell mutagenicity

In vitro tests showed mutagenic effects

Aspiration hazard

no data available

Synergistic effects

no data available

12. ECOLOGICAL INFORMATION

Toxicity

no data available

Persistence and degradability

no data available

Bioaccumulative potential

no data available

Mobility in soil

no data available

PBT and vPvB assessment

no data available

Other adverse effects

no data available

13. DISPOSAL CONSIDERATIONS**Product**

Dispose of unused product, residues, and containers according to local, regional, state, and national regulations.

Contaminated packaging

Dispose of as unused product.

14. TRANSPORT INFORMATION**DOT (US)**

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

15. REGULATORY INFORMATION**OSHA Hazards**

Highly toxic by inhalation, Harmful by ingestion. Mutagen

SARA 302 Components

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

SARA 313 Components

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards

Acute Health Hazard, Chronic Health Hazard.

16. OTHER INFORMATION

For educational use only. Not intended for human or animal diagnostic or therapeutic uses.

The above information was acquired by diligent search and/or investigation and the recommendations are based on prudent application of professional judgment. The information shall not be taken as being all inclusive and is to be used only as a guide. All materials and mixtures may present unknown hazards and should be used with caution. Since the Company cannot control the actual methods, volumes, or conditions of use, the Company shall not be held liable for any damages or losses resulting from the handling or from contact with the product as described herein. THE INFORMATION IN THIS SDS DOES NOT CONSTITUTE A WARRENTY, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE.



1121 5th Street NW
Washington, DC 20001
www.edvotek.com

Safety Data Sheet

Version 3
Revision Date 05/14/2025

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: Practice Gel loading Solution
Product Number:
Brand: Edvotek
Supplier: Edvotek
1121 5th Street NW
Washington, DC
20001

Telephone: 1-800-338-6835
or 202-370-1500
Fax: 202-370-1501
Emergency Phone #: 202-370-1500

2. HAZARDS IDENTIFICATION

Emergency Overview

OSHA Hazards:

No known OSHA hazards
Not a dangerous substance or mixture according to the Globally Harmonized System (GHS).

HMIS Classification:

Health hazard: 0
Flammability: 0
Physical hazard: 0

NFPA Rating:

Health hazard: 0
Fire: 0

Reactivity Hazard: 0

Potential Health Effects:

Inhalation May be harmful if inhaled
Skin- May be harmful if absorbed through skin. Causes skin irritation.
Eyes- May cause eye irritation.
Ingestion- May be harmful if swallowed.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture of the substances listed below with nonhazardous additions.

Chemical name	EC No.	CAS –No	Concentration
Ethylenediaminetetraacetic acid (EDTA)	200-449-4	60-00-4	
Bromophenol blue	201-064-4	115-39-9	
Glycerol	200-289-5	56-81-5	

4. FIRST AID MEASURES

General information

No special measures required.

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult doctor in case of complaints.

In case of skin contact

Wash off with soap and plenty of water. Get medical attention if symptoms develop.

In case of eye contact

Flush eyes with water as a precaution. Get medical attention immediately if irritation persists.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Get medical attention if symptoms develop.

5. FIREFIGHTING MEASURES

Conditions of flammability

Not flammable or combustible.

Suitable extinguishing media

Use water spray, alcohol resistant foam, dry chemical or carbon dioxide.

Special protective equipment for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

Hazardous combustion products

May emit toxic and/or irritating fumes under fire conditions.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Prevent skin/eye contact. Use personal protective equipment as needed.

Environmental precautions

Dilute with plenty of water. Do not allow to enter sewers/ surface or ground water.

Methods and materials for containment and cleaning up

Clean up spills immediately. Use absorbent materials if needed and dispose into a chemical waste container.

7. HANDLING AND STORAGE

Precautions for safe handling

No special measures necessary. Good laboratory technique should be used when handling.

Conditions for safe storage

No special measures necessary. Store at room temperature.

Incompatible Products

Strong oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal protective equipment

Respiratory protection

Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection

Wear protective gloves. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.

Eye protection

Avoid eye contact with this material. Wear chemical safety goggles.

Skin and body protection

Use chemical gloves as needed. Use clean protective body covering clothing as needed to minimize contact with clothing and skin.

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice. Wash and dry hands at the end of workday.

9. PHYSICAL AND CHEMICAL PROPERTIES**Appearance**

Form liquid
Color Blue
Odor No odor

Safety data

pH	7-9
Melting point/freezing point	no data available
Boiling point	no data available
Flash point	no data available
Ignition temperature	no data available
Autoignition Temperature	no data available
Lower explosion limit	no data available
Upper explosion limit	no data available
Vapour pressure	no data available
Density (water=1)	1.0
Water solubility	no data available
Partition coefficient: n-octanol/water	no data available
Relative vapour Density	no data available
Odour Threshold	no data available
Evaporation rate	no data available

10. STABILITY AND REACTIVITY**Chemical stability**

Stable under recommended storage conditions.

Possibility of hazardous reactions

No further relevant data available.

Conditions to avoid

No further relevant data available.

Materials to avoid

No further relevant data available.

Hazardous decomposition products

No dangerous decomposition products known.

11. TOXICOLOGICAL INFORMATION**Acute toxicity LD/LC50 values**

no data available

Serious eye damage/eye irritation

no data available

Skin corrosion/irritation

no data available

Reproductive toxicity

no data available

Teratogenicity

no data available

Aspiration hazard

no data available

Synergistic effects

no data available

Respiratory or skin sensitization

no data available

Germ cell mutagenicity

no data available

Carcinogenicity

No components of this product are listed by IARC, ACGIH, NTP and OSHA.

12. ECOLOGICAL INFORMATION**Toxicity**

no data available

Mobility in soil

no data available

Persistence and degradability

no data available

PBT and vPvB assessment

no data available

Bioaccumulative potential

no data available

Other adverse effects

no data available

13. DISPOSAL CONSIDERATIONS**Product**

Dispose of unused product, residues, and containers according to local, regional, state, and national regulations.

Contaminated packaging

Dispose of as unused product.

14. TRANSPORT INFORMATION**DOT (US)**

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

15. REGULATORY INFORMATION**OSHA Hazards**

No known OSHA hazards

SARA 302 Components

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

SARA 313 Components

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards

No SARA Hazards

16. OTHER INFORMATION

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1121 5th Street NW
Washington, DC 20001
www.edvotek.com

Safety Data Sheet

Version 3
Revision Date 05/14/2025

1. PRODUCT AND COMPANY IDENTIFICATION

Product name:	β -mercaptoethanol	Telephone:	1-800-338-6835
Product Number:			or 202-370-1500
Brand:	Edvotek	Fax:	202-370-1501
Supplier:	Edvotek 1121 5 th Street NW Washington, DC 20001	Emergency Phone # (For both supplier and Manufacturer):	202-370-1500

2. HAZARDS IDENTIFICATION

Emergency Overview

OSHA Hazards

Acute toxicity
Acute aquatic toxicity
Chronic aquatic toxicity
Serious eye damage
Flammable liquids
Combustible liquid.
Toxic if swallowed.
Toxic if swallowed or if inhaled
Fatal in contact with skin.
Causes skin irritation.
May cause an allergic skin reaction.
Causes serious eye damage.
Toxic if inhaled.

May cause damage to organs through prolonged or repeated exposure if swallowed.

Very toxic to aquatic life.

GHS Classification

Flammable liquids 4,
Acute toxicity, Oral 3
Acute toxicity, Inhalation 3
Acute toxicity, Dermal 2
Skin irritation 2
Serious eye damage 1
Skin sensitisation 1
Acute aquatic toxicity 1
Chronic aquatic toxicity 1

Signal word

Danger

Pictograms**Hazard statement(s)****H227** Combustible liquid.**H301 + H331** Toxic if swallowed or if inhaled**H310** Fatal in contact with skin.**H315** Causes skin irritation.**H317** May cause an allergic skin reaction**H318** Causes serious eye damage.**H373** May cause damage to organs (Liver, Heart) through prolonged or repeated exposure if swallowed.**H410** Very toxic to aquatic life with long lasting effects.**Precautionary statement(s)****P210** Keep away from heat/sparks/open flames/hot surfaces.
- No smoking.**P260** Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.**P262** Do not get in eyes, on skin, or on clothing.**P264** Wash skin thoroughly after handling.**P270** Do not eat, drink or smoke when using this product.**P271** Use in a well-ventilated area.**P272** Contaminated work clothing should not be allowed out of the workplace.**P273** Avoid release to the environment.**P280** Wear protective gloves/ eye protection/ face protection.**P301 + P310 + P330 IF****SWALLOWED:** Immediately call a POISON CENTER or doctor/ physician. Rinse mouth.**P302 + P350 + P310 IF ON SKIN:**

Gently wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/ physician.

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.**P304 + P340 + P311 IF INHALED:**

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/ physician.

P305 + P351 + P338 + P310 IF IN**EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/ physician.**P314** Get medical advice/ attention if you feel unwell.**P333 + P313** If skin irritation or rash occurs: Get medical advice/ attention.**P361** Remove/ Take off immediately all contaminated clothing.**P370 + P378** In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.**P391** Collect spillage.**P403 + P233** Store in a well-ventilated place. Keep container tightly closed

P403 + P235 Store in a well-ventilated place. Keep cool.

P501 Dispose of contents/ container to an approved waste disposal plant.

HMIS Classification:

Health hazard: 4

Flammability: 2

Physical hazard: 0

NFPA Rating:

Health hazard: 3

Fire: 2

Reactivity Hazard: 0

Potential Health Effects:

Inhalation Harmful if inhaled. Causes respiratory tract irritation.

Skin- Harmful if absorbed through skin. Causes skin irritation.

Eyes- Cause eye irritation.

Ingestion- Harmful if swallowed.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms: 2-Hydroxyethylmercaptan, Thioethylene glycol, β -Mercaptoethanol, beta mercaptoethanol, BME

Formula: C_2H_6OS

Molecular weight: 78.13 g/mol

Chemical name	EC No.	CAS -No	Concentration
2-Mercaptoethanol	200-464-6	60-24-2	

4. FIRST AID MEASURES

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration.

In case of skin contact

Immediately wash off with soap and plenty of water. Get medical attention if symptoms develop.

In case of eye contact

Flush eyes with water as a precaution. Get medical attention immediately if irritation persists.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Get medical attention if symptoms develop.

5. FIREFIGHTING MEASURES

Conditions of flammability

Flammable.

Suitable extinguishing media

Use water spray, alcohol resistant foam, dry chemical or carbon dioxide.

Special protective equipment for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

Hazardous combustion products

Carbon oxides, Sulphur oxides

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Prevent skin/eye contact. Use personal protective equipment as needed.

Environmental precautions

Dilute with plenty of water. Do not allow to enter sewers/ surface or ground water.

Methods and materials for containment and cleaning up

Clean up spills immediately. Use absorbent materials if needed and dispose into a chemical waste container.

7. HANDLING AND STORAGE

Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage

Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage

Incompatible storage

No products known

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal protective equipment

Respiratory protection

Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection

Wear protective gloves. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.

Eye protection

Avoid eye contact with this material. Wear chemical safety goggles.

Skin and body protection

Use chemical gloves as needed. Use clean protective body covering clothing as needed to minimize contact with clothing and skin.

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice. Wash and dry hands at the end of workday.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form liquid
Colour colorless

Safety data

pH	no data available
Melting point/freezing point	no data available
Boiling point	no data available
Flash point	no data available
Ignition temperature	no data available
Autoignition Temperature	no data available
Lower explosion limit	no data available
Upper explosion limit	no data available
Vapour pressure	no data available
Density	no data available
Water solubility	no data available
Partition coefficient:	
n-octanol/water	no data available
Relative vapour Density	no data available
Odour	no data available
Odour Threshold	no data available
Evaporation rate	no data available

10. STABILITY AND REACTIVITY

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

No further relevant data available.

Conditions to avoid

Heat, flames and sparks.

Materials to avoid

Metals, Oxidizing agents.

Hazardous decomposition products

No data available

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Oral LD50

LD50 Oral - Rat - 98 - 162 mg/kg

LC50 Inhalation - Rat - 4 h - 2 mg/l

LC50 Inhalation - Rat - 4 h - 625 ppm

LD50 Dermal - Rabbit - 112 mg/kg

Skin corrosion/irritation

no data available

Serious eye damage/eye irritation

no data available

Respiratory or skin sensitization

no data available

Germ cell mutagenicity

In vitro tests showed mutagenic effects

Reproductive toxicity

no data available

Teratogenicity

no data available

Aspiration hazard

no data available

Synergistic effects

no data available

12. ECOLOGICAL INFORMATION

Toxicity

no data available

Persistence and degradability

no data available

Bioaccumulative potential

no data available

Mobility in soil

no data available

PBT and vPvB assessment

no data available

Other adverse effects

no data available

13. DISPOSAL CONSIDERATIONS

Product

Dispose of unused product, residues, and containers according to local, regional, state, and national regulations.

Contaminated packaging

Dispose of as unused product.

14. TRANSPORT INFORMATION

DOT (US)

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

15. REGULATORY INFORMATION

OSHA Hazards

Acute aquatic toxicity

Chronic aquatic toxicity

Serious eye damage

Flammable liquids

Combustible liquid.

Toxic if swallowed.

Toxic if swallowed or if inhaled

Fatal in contact with skin.

Causes skin irritation.

May cause an allergic skin reaction.

Causes serious eye damage.

Toxic if inhaled.

May cause damage to organs through prolonged or repeated exposure if swallowed.

Very toxic to aquatic life.

SARA 302 Components

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

SARA 313 Components

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

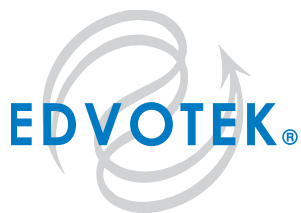
SARA 311/312 Hazards

No SARA Hazards.

16. OTHER INFORMATION

For educational use only. Not intended for human or animal diagnostic or therapeutic uses.

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1121 5th Street NW
Washington, DC 20001
www.edvotek.com

Safety Data Sheet

Version 3
Revision Date 05/14/2025

1. PRODUCT AND COMPANY IDENTIFICATION

Product name:	Standard DNA	Telephone:	1-800-338-6835
Fragments:	DNA gel marker		or 202-370-1500
Product Number:	750	Fax:	202-370-1501
Brand:	Edvotek	Emergency Phone # (For both supplier	
Supplier:	Edvotek	and Manufacturer):	202-370-1500
	1121 5 th Street NW		
	Washington, DC		
	20001		

2. HAZARDS IDENTIFICATION

Emergency Overview

OSHA Hazards:

No known OSHA hazards
Not a dangerous substance or mixture
according to the Globally Harmonized
System (GHS)

HMIS Classification:

Health hazard: 0
Flammability: 0
Physical hazard: 0

NFPA Rating:

Health hazard: 0
Fire: 0
Reactivity Hazard: 0

Potential Health Effects:

Inhalation: May be harmful if inhaled.
Skin: May be harmful if absorbed
through skin. May cause skin irritation.
Eyes: May cause eye irritation.
Ingestion: May be harmful if
swallowed.

3. COMPOSITION/INFORMATION ON INGREDIENTS

No ingredients are hazardous according to OSHA criteria.

4. FIRST AID MEASURES

General information

No special measures required.

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult doctor in case of complaints.

In case of skin contact

Immediately wash off with soap and plenty of water. Get medical attention if symptoms develop.

In case of eye contact

Flush eyes with water as a precaution. Get medical attention immediately if irritation persists.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Get medical attention if symptoms develop.

5. FIREFIGHTING MEASURES

Conditions of flammability

Not flammable or combustible.

Suitable extinguishing media

Use water spray, alcohol resistant foam, dry chemical or carbon dioxide.

Special protective equipment for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

Hazardous combustion products

No known products.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Prevent skin/eye contact. Use personal protective equipment as needed.

Environmental precautions

Dilute with plenty of water. Do not allow to enter sewers/ surface or ground water.

Methods and materials for containment and cleaning up

Clean up spills immediately. Use absorbent materials if needed and dispose into a chemical waste container.

7. HANDLING AND STORAGE

Precautions for safe handling

No special measures necessary. Good laboratory technique should be used when handling.

Conditions for safe storage

No special measures necessary. Store at room temperature.

Incompatible Products

No known products.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal protective equipment

Respiratory protection

Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection

Wear protective gloves. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.

Eye protection

Avoid eye contact with this material. Wear chemical safety goggles.

Skin and body protection

Use chemical gloves as needed. Use clean protective body covering clothing as needed to minimize contact with clothing and skin.

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice. Wash and dry hands at the end of workday.

9. PHYSICAL AND CHEMICAL PROPERTIES**Appearance**

Form	liquid
Colour	blue
Odor	no data available

Safety data

pH	no data available
Melting point/freezing point	no data available
Boiling point	no data available
Flash point	no data available
Ignition temperature	no data available
Autoignition Temperature	no data available
Lower explosion limit	no data available
Upper explosion limit	no data available
Vapour pressure	no data available
Density (water=1)	no data available
Water solubility	no data available
Partition coefficient:	
n-octanol/water	no data available
Relative vapour Density	no data available
Odour Threshold	no data available
Evaporation rate	no data available

10. STABILITY AND REACTIVITY**Chemical stability**

Stable under recommended storage conditions.

Possibility of hazardous reactions

No further relevant data available.

Conditions to avoid

No further relevant data available.

Materials to avoid

No further relevant data available.

Hazardous decomposition products

No dangerous decomposition products known.

11. TOXICOLOGICAL INFORMATION**Acute toxicity LD/LC50 values**

no data available

Serious eye damage/eye irritation

no data available

Skin corrosion/irritation

no data available

Reproductive toxicity

no data available

Teratogenicity

no data available

Respiratory or skin sensitization

no data available

Germ cell mutagenicity

no data available

Carcinogenicity

No components of this product are listed by IARC, ACGIH, NTP and OSHA.

Aspiration hazard

no data available

Synergistic effects

no data available

12. ECOLOGICAL INFORMATION**Toxicity**

no data available

Mobility in soil

no data available

Persistence and degradability

no data available

PBT and vPvB assessment

no data available

Bioaccumulative potential

no data available

Other adverse effects

no data available

13. DISPOSAL CONSIDERATIONS**Product**

Dispose of unused product, residues, and containers according to local, regional, state, and national regulations.

Contaminated packaging

Dispose of as unused product.

14. TRANSPORT INFORMATION**DOT (US)**

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

15. REGULATORY INFORMATION

OSHA Hazards

No known OSHA hazards

SARA 302 Components

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

SARA 313 Components

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the reporting levels established by SARA Title III, Section 313.

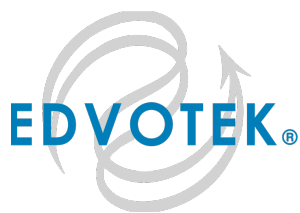
SARA 311/312 Hazards

No SARA Hazards.

16. OTHER INFORMATION

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1121 5th Street NW
Washington, DC 20001
www.edvotek.com

Safety Data Sheet

Version 3
Revision Date 05/14/2025

1. PRODUCT AND COMPANY IDENTIFICATION

Product name:	TE Buffer	Telephone:	1-800-338-6835
Product Number:			or 202-370-1500
Brand:	Edvotek	Fax:	202-370-1501
Supplier:	Edvotek	Emergency Phone #:	202-370-1500
	1121 5 th Street NW		
	Washington, DC		
	20001		

2. HAZARDS IDENTIFICATION

Emergency Overview

OSHA Hazards:

No known OSHA hazards.

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS).

HMIS Classification:

Health hazard: 1
Flammability: 0
Physical hazard: 0

NFPA Rating:

Health hazard: 0
Fire: 0
Reactivity Hazard: 0

Potential Health Effects:

Inhalation: May be harmful if inhaled.
Skin: May be harmful if absorbed through skin. May cause skin irritation.
Eyes: May cause eye irritation.
Ingestion May be harmful if swallowed.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture of the substances listed below with nonhazardous additions.

Chemical name	EC No.	CAS –No	Concentration
EDTA, disodium dihydrate	205-358-3	6381-92-6	
Tris hydroxymethyl aminomethane	201-064-4	77-86-1	

4. FIRST AID MEASURES

General information

No special measures required.

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult doctor in case of complaints.

In case of skin contact

Immediately wash off with soap and plenty of water. Get medical attention if symptoms develop.

In case of eye contact

Flush eyes with water as a precaution. Get medical attention immediately if irritation persists.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Get medical attention if symptoms develop.

5. FIREFIGHTING MEASURES

Conditions of flammability

Not flammable or combustible.

Suitable extinguishing media

Use water spray, alcohol resistant foam, dry chemical or carbon dioxide.

Special protective equipment for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

Hazardous combustion products

Carbon oxides, Nitrogen oxides (NOx).

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Prevent skin/eye contact. Use personal protective equipment as needed.

Environmental precautions

Dilute with plenty of water. Do not allow to enter sewers/ surface or ground water.

Methods and materials for containment and cleaning up

Clean up spills immediately. Use absorbent materials if needed and dispose into a chemical waste container.

7. HANDLING AND STORAGE

Precautions for safe handling

No special measures necessary. Good laboratory technique should be used when handling.

Conditions for safe storage

No special measures necessary. Store at room temperature.

Incompatible Products

Strong oxidizing agents.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Personal protective equipment

Respiratory protection

Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection

Wear protective gloves. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.

Eye protection

Avoid eye contact with this material. Wear chemical safety goggles.

Skin and body protection

Use chemical gloves as needed. Use clean protective body covering clothing as needed to minimize contact with clothing and skin.

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice. Wash and dry hands at the end of workday.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form liquid
Color colorless
Odor no data available

Safety data

pH	6-8
Melting point/freezing point	no data available
Boiling point	~ 100°C
Flash point	no data available
Ignition temperature	no data available
Autoignition Temperature	no data available
Lower explosion limit	no data available
Upper explosion limit	no data available
Vapor pressure	no data available
Density (water=1)	1.020
Water solubility	no data available
Partition coefficient:	
n-octanol/water	no data available
Relative vapour Density	no data available
Odour Threshold	no data available
Evaporation rate	no data available

10. STABILITY AND REACTIVITY

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

No further relevant data available.

Conditions to avoid

No further relevant data available.

Materials to avoid

No further relevant data available.

Hazardous decomposition products

No dangerous decomposition products known.

11. TOXICOLOGICAL INFORMATION

Acute toxicity LD/LC50 values

no data available

Respiratory or skin sensitization

no data available

Serious eye damage/eye irritation

no data available

Germ cell mutagenicity

no data available

Skin corrosion/irritation

no data available

Carcinogenicity

No components of this product are listed by IARC, ACGIH, NTP and OSHA.

Reproductive toxicity

no data available

Aspiration hazard

no data available

Teratogenicity

no data available

Synergistic effects

no data available

12. ECOLOGICAL INFORMATION

Toxicity

no data available

Mobility in soil

no data available

Persistence and degradability

no data available

PBT and vPvB assessment

no data available

Bioaccumulative potential

no data available

Other adverse effects

no data available

13. DISPOSAL CONSIDERATIONS

Product

Dispose of unused product, residues, and containers according to local, regional, state, and national regulations.

Contaminated packaging

Dispose of as unused product.

14. TRANSPORT INFORMATION

DOT (US)

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

15. REGULATORY INFORMATION

OSHA Hazards

No known OSHA hazards

SARA 302 Components

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

SARA 313 Components

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the reporting levels established by SARA Title III, Section 313.

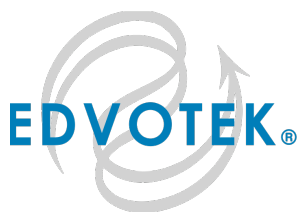
SARA 311/312 Hazards

No SARA Hazards.

16. OTHER INFORMATION

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1121 5th Street NW
Washington, DC 20001
www.edvotek.com

Safety Data Sheet

Version 3
Revision Date 05/14/2025

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: UltraSpec Agarose™	Telephone:	1-800-338-6835
Product Number: 605		or 202-370-1500
Brand: Edvotek	Fax:	202-370-1501
Supplier: Edvotek		Emergency Phone #:
1121 5 th Street NW		202-370-1500
Washington, DC		
20001		

2. HAZARDS IDENTIFICATION

Emergency Overview

OSHA Hazards:

No known OSHA hazards.

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS).

HMIS Classification:

Health hazard: 0
Flammability: 0
Physical hazard: 0

NFPA Rating:

Health hazard: 0
Fire: 0
Reactivity Hazard: 0

Potential Health Effects:

Inhalation: May be harmful if inhaled.
Skin: May be harmful if absorbed through skin. May cause skin irritation.
Eyes: May cause eye irritation.
Ingestion: May be harmful if swallowed.

3. COMPOSITION/INFORMATION ON INGREDIENTS

No ingredients are hazardous according to OSHA criteria.

4. FIRST AID MEASURES

General information

No special measures required.

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult doctor in case of complaints.

In case of skin contact

Immediately wash off with soap and plenty of water. Get medical attention if symptoms develop.

In case of eye contact

Flush eyes with water as a precaution. Get medical attention immediately if irritation persists.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Get medical attention if symptoms develop.

5. FIREFIGHTING MEASURES

Conditions of flammability

Not flammable or combustible.

Suitable extinguishing media

Use water spray, alcohol resistant foam, dry chemical or carbon dioxide.

Special protective equipment for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

Hazardous combustion products

No known products

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Prevent skin/eye contact. Use personal protective equipment as needed.

Environmental precautions

Dilute with plenty of water. Do not allow to enter sewers/ surface or ground water.

Methods and materials for containment and cleaning up

Clean up spills immediately. Use absorbent materials if needed and dispose into a chemical waste container.

7. HANDLING AND STORAGE

Precautions for safe handling

No special measures necessary. Good laboratory technique should be used when handling.

Conditions for safe storage

No special measures necessary. Store at room temperature.

Incompatible Products

No known products.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Personal protective equipment

Respiratory protection

Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection

Wear protective gloves. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.

Eye protection

Avoid eye contact with this material. Wear chemical safety goggles.

Skin and body protection

Use chemical gloves as needed. Use clean protective body covering clothing as needed to minimize contact with clothing and skin.

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice. Wash and dry hands at the end of workday.

9. PHYSICAL AND CHEMICAL PROPERTIES**Appearance**

Form powder
Color colorless
Odor no data available

Safety data

pH	no data available
Melting point/freezing point	no data available
Boiling point	no data available
Flash point	no data available
Ignition temperature	no data available
Autoignition Temperature	no data available
Lower explosion limit	no data available
Upper explosion limit	no data available
Vapor pressure	no data available
Density (water=1)	no data available
Water solubility	no data available
Partition coefficient:	
n-octanol/water	no data available
Relative vapour Density	no data available
Odour Threshold	no data available
Evaporation rate	no data available

10. STABILITY AND REACTIVITY

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

No further relevant data available.

Conditions to avoid

No further relevant data available.

Materials to avoid

No further relevant data available.

Hazardous decomposition products

No dangerous decomposition products known.

11. TOXICOLOGICAL INFORMATION

Acute toxicity LD/LC50 values

no data available

Respiratory or skin sensitization

no data available

Serious eye damage/eye irritation

no data available

Germ cell mutagenicity

no data available

Skin corrosion/irritation

no data available

Carcinogenicity

No components of this product are listed by IARC, ACGIH, NTP and OSHA.

Reproductive toxicity

no data available

Aspiration hazard

no data available

Teratogenicity

no data available

Synergistic effects

no data available

12. ECOLOGICAL INFORMATION

Toxicity

no data available

PBT and vPvB assessment

no data available

Persistence and degradability

no data available

Other adverse effects

no data available

Bioaccumulative potential

no data available

Mobility in soil

no data available

13. DISPOSAL CONSIDERATIONS

Product

Dispose of unused product, residues, and containers according to local, regional, state, and national regulations.

Contaminated packaging

Dispose of as unused product.

14. TRANSPORT INFORMATION

DOT (US)

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

15. REGULATORY INFORMATION

OSHA Hazards

No known OSHA hazards.

SARA 302 Components

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

SARA 313 Components

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards

No SARA Hazards.

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