

1121 5<sup>th</sup> Street NW  
 Washington, DC 20001  
[www.edvotek.com](http://www.edvotek.com)

## Safety Data Sheet

Version 3  
 Revision Date 12/21/2018

### 1. PRODUCT AND COMPANY IDENTIFICATION

|                 |  |   |                                   |
|-----------------|--|---|-----------------------------------|
| Product name:   | Electrophoresis Buffer 50X TAE                                       | Telephone:  | 1-800-338-6835<br>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<br>1121 5 <sup>th</sup> Street NW<br>Washington, DC<br>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 | 50 mM         |
| 2-amino-2-(hydroxymethyl)-1,3-propanediol (TRIS) | 201-064-4 | 77-86-1 | 242 g/L       |
| Acetic acid                                      | 200-580-7 | 64-19-7 | < 6%          |

**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:<br>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**

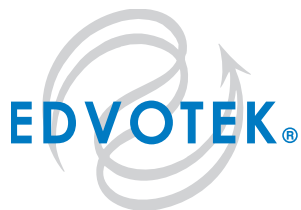
No SARA Hazards

**16. OTHER INFORMATION**

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 WARRANTY, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE.





1121 5<sup>th</sup> Street NW  
Washington, DC 20001  
[www.edvotek.com](http://www.edvotek.com)

Version 2

## Safety Data Sheet

Revision Date 10/17/2014

### 1. PRODUCT AND COMPANY IDENTIFICATION

|  |                    |                                   |
|--|--------------------|-----------------------------------|
| Product name: NBT/BCIP Tablets   | Telephone:         | 1-800-338-6835<br>or 202-370-1500 |
| Product Number:  | Fax:               | 202-370-1501                      |
| Brand: Edvotek   | Emergency Phone #: | 202-370-1500                      |
| Supplier: Edvotek<br>1121 5 <sup>th</sup> Street NW<br>Washington, DC<br>20001 |                    |                                   |

### 2. HAZARDS IDENTIFICATION

#### Emergency Overview

#### OSHA Hazards:

Skin irritation (2)  
Eye irritation (2A)  
Specific target organ toxicity - single exposure (3)

#### Pictogram



#### Signal Word

Warning

#### Hazard statement(s)

**H315** Causes skin irritation.  
**H319** Causes serious eye irritation.  
**H335** May cause respiratory irritation.

#### Precautionary statement(s)

**P261** Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.

**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.

**P304 + P340 IF INHALED:** Remove victim to fresh air and keep at rest in a position comfortable for breathing.

**P305 + P351 + P338 IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**P312** Call a POISON CENTER or doctor/ physician if you feel unwell.

**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.

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

**HMIS Classification:**

Health hazard: 2

Flammability: 0

Physical hazard: 1

**NFPA Rating:**

Health hazard: 2

Fire: 0

Reactivity Hazard: 0

**Potential Health Effects:**

**Inhalation:** Harmful if inhaled.

**Skin:** Harmful if absorbed through skin.

**Eyes:** Causes eye irritation.

**Ingestion** May be harmful if swallowed.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components

| Chemical name  | EC No.    | CAS –No    | Concentration |
|--|-----------|------------|---------------|
| Tris (hydroxymethyl) aminomethane                                    | 201-064-4 | 77-86-1    | 30-60%        |
| $\alpha$ -Hydro- $\omega$ -hydroxy-poly(oxy-1,2-ethanediyl), n ~3350 | 500-038-2 | 25322-68-3 | 1-5%          |
| NBT  | 206-067-4 | 298-83-9   | 1-5%          |

## 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

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<sub>x</sub>), Hydrogen chloride gas, Sodium oxides, Magnesium oxide

## 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**

Keep container tightly closed in a dry and well-ventilated place.

Recommended storage temperature: -20 °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            Tablet  
Color           no data available  
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

**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

Acute toxicity

Harmful if swallowed.

Causes skin irritation.

Causes serious eye irritation.

May cause respiratory irritation.

### SARA 302 Components

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

### SARA 313 Component

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

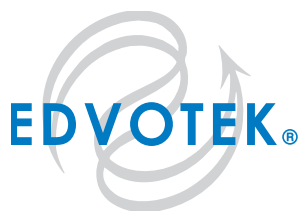
No SARA Hazards.



## **16. OTHER INFORMATION**

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Version 2

## Safety Data Sheet

Revision Date 10/17/2014

### 1. PRODUCT AND COMPANY IDENTIFICATION

|                                |                    |                 |
|--------------------------------|--------------------|-----------------|
| Product name: Shielding 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 <sup>th</sup> 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

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

Hydrogen chloride gas, Sodium 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

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            |
| 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

**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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Version 2

## Safety Data Sheet

Revision Date 10/17/2014

### 1. PRODUCT AND COMPANY IDENTIFICATION

|                 |                                |                    |                 |
|-----------------|--------------------------------|--------------------|-----------------|
| Product name:   | Detection 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 <sup>th</sup> 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

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

Hydrogen chloride gas, Sodium 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

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  
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

**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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Washington, DC 20001  
[www.edvotek.com](http://www.edvotek.com)

## Safety Data Sheet

Version 2  
Revision Date 08/09/2013

### 1. PRODUCT AND COMPANY IDENTIFICATION

|                 |  |  |                 |
|-----------------|--|--|-----------------|
| Product name:   | DNA in solution  | Telephone:   | 1-800-338-6835  |
| Product Number: | 332, 333, 334, 336,<br>369, 701, 702, 703, 704                       |  | or 202-370-1500 |
| Brand:          | Edvotek  | Fax:   | 202-370-1501    |
| Supplier:       | Edvotek<br>1121 5 <sup>th</sup> Street NW<br>Washington, DC<br>20001 | Emergency Phone # (For both supplier<br>and Manufacturer): | 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. 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            |
| 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

**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.

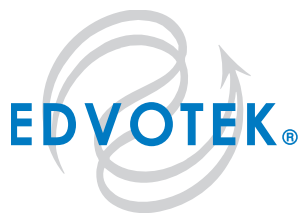
### **SARA 311/312 Hazards**

No SARA Hazards.

## 16. OTHER INFORMATION

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## Safety Data Sheet

Version 3  
Revision Date 10/06/2017

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product name:** Practice Gel loading Solution  
**Product Number:**  
**Brand:** Edvotek  
**Supplier:** Edvotek  
1121 5<sup>th</sup> 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  | < 100 mM      |
| Bromophenol blue                       | 201-064-4 | 115-39-9 | < 0.10%       |
| Glycerol                               | 200-289-5 | 56-81-5  | < 50%         |

### 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:<br>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.

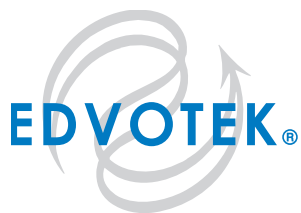
**SARA 311/312 Hazards**

No SARA Hazards

**16. OTHER INFORMATION**

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## Safety Data Sheet

Version 2  
Revision Date 09/16/2014

### 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 <sup>th</sup> 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.

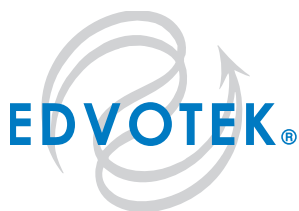
### **SARA 311/312 Hazards**

No SARA Hazards.

## 16. OTHER INFORMATION

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Washington, DC 20001  
[www.edvotek.com](http://www.edvotek.com)

## Safety Data Sheet

Version 2  
Revision Date 10/17/2014

### 1. PRODUCT AND COMPANY IDENTIFICATION

|                 |  |                    |                                   |
|-----------------|--|--------------------|-----------------------------------|
| Product name:   | Streptavidin-Alkaline Phosphatase, SAAP                              | Telephone:         | 1-800-338-6835<br>or 202-370-1500 |
| Product Number: |  | Fax:               | 202-370-1501                      |
| Brand:          | Edvotek  | Emergency Phone #: | 202-370-1500                      |
| Supplier:       | Edvotek<br>1121 5 <sup>th</sup> Street NW<br>Washington, DC<br>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:**

**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           solid  
Colour        no data available  
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

### 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.

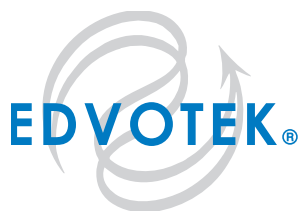
### SARA 311/312 Hazards

No SARA Hazards

## 16. OTHER INFORMATION

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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 WARRANTY, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE.



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Version 2

## Safety Data Sheet

Revision Date 01/21/2019

### 1. PRODUCT AND COMPANY IDENTIFICATION

|                 |                                |                    |                 |
|-----------------|--------------------------------|--------------------|-----------------|
| Product name:   | Termination 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 <sup>th</sup> 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 bellow with nonhazardous additions.

| Chemical name                   | EC No.    | CAS –No   | Concentration |
|---------------------------------|-----------|-----------|---------------|
| EDTA, disodium dihydrate        | 205-358-3 | 6381-92-6 | < 10 mM       |
| Tris hydroxymethyl aminomethane | 201-064-4 | 77-86-1   | < 2 M         |

### 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.

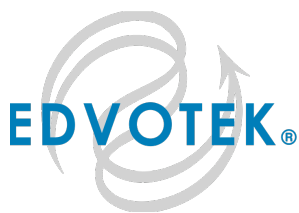
### SARA 311/312 Hazards

No SARA Hazards.

## 16. OTHER INFORMATION

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## Safety Data Sheet

Version 2  
Revision Date 09/24/2013

### 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 <sup>th</sup> 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.

## 16. OTHER INFORMATION

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