

1121 5<sup>th</sup> Street NW Washington, DC 20001 www.edvotek.com

# Safety Data Sheet

Version 2 Revision Date 08/09/2013

#### 1. PRODUCT AND COMPANY IDENTIFICATION

Product name: Electrophoresis Telephone: 1-800-338-6835

Buffer 50X TAE or 202-370-1500

Product Number: 607 Fax: 202-370-1501

Brand: Edvotek Emergency Phone # (For both supplier Supplier: Edvotek and Manufacturer):

Edvotek and Manufacturer): 1121 5<sup>th</sup> Street NW 202-370-1500

1121 5<sup>th</sup> Street NW 202-370-1500 Washington, DC

# HAZARDS IDENTIFICATION

20001

**Emergency Overview HMIS Classification:** 

OSHA Hazards: Health hazard: 0
Irritant Flammability: 0
Physical hazard: 0

Signal word NFPA Rating:

Warning Health hazard: 0

Fire: 0

Pictogram Reactivity Hazard: 0



2.

#### **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	200-449-4	60-00-4	
acid (EDTA)			
2-amino-2-	201-064-4	77-86-1	
(hydroxymethyl)-1,3-			
propanediol (TRIS)			
Acetic acid	200-580-7	64-19-7	

#### **FIRST AID MEASURES** 4.

#### **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

7-9 Hg 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 311/312Hazards

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



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# Safety Data Sheet

Version 2 Revision Date 08/09/2013

#### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product name:** Practice Gel loading **Telepho** 

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	
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.

no data available

no data available

## 9. PHYSICAL AND CHEMICAL PROPERTIES

## **Appearance**

Form liquid
Color Blue
Odor No odor

# Safety data

Odour Threshold

Evaporation rate

pН 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

## 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

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 311/312Hazards

No SARA Hazards

#### 16. OTHER INFORMATION

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# Safety Data Sheet

Version 2 Revision Date 09/25/2013

#### 1. PRODUCT AND COMPANY IDENTIFICATION

Product name: Ready to load TM dye

sample

**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. 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 red / blue/ yellow Odor no data available

# Safety data

Hq no data available Melting point/freezing point no data available Boiling point no data available no data available Flash point 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

# Respiratory or skin sensitization

no data available

# Germ cell mutagenicity

no data available

#### Skin corrosion/irritation

no data available

# Carcinogenicity

No component 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

# 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 311/312Hazards

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 TM

Product Number: 605

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. 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

Hq 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

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 311/312Hazards

No SARA Hazards.

#### 16. OTHER INFORMATION

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