

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

# Safety Data Sheet

Version 2  
Revision Date 01/21/2019

## 1. PRODUCT AND COMPANY IDENTIFICATION

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

## 2. HAZARDS IDENTIFICATION

**Emergency Overview**  
**OSHA Hazards**  
 Eye irritation, Causes skin irritation, Causes serious eye irritation. May cause respiratory irritation. Skin irritation

**GHS Classification**  
 Skin irritation 2  
 Eye irritation 2A

Specific target organ toxicity - single exposure 3

**Signal Word**  
Warning

**Pictogram**



**Hazard(s) Statements Hazard statement(s)****Precautionary statement(s)**

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

**P264** Wash skin thoroughly after handling.

**P271** Use only outdoors or in a well-ventilated area.

**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.**

**P321** Specific treatment (see supplemental first aid instructions on this label).

**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: 0

**NFPA Rating:**

Health hazard: 2

Fire: 0

Reactivity Hazard: 0

**Potential Health Effects:**

**Inhalation** Harmful if inhaled. Causes respiratory tract irritation

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

**Eyes** Causes eye irritation.

**Ingestion** Harmful if swallowed.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Formula :**  $C_{19}H_{15}ClN_4$

**Molecular Weight :** 334.80 g/mol

Chemical name	EC No.	CAS –No	Concentration
2,3,5-Triphenyltetrazolium chloride	206-071-6	298-96-4	100 %

### 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, Hydrogen chloride gas, nitrogen oxides (NO<sub>x</sub>).

## 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. Containers which are opened must be carefully

resealed and kept upright to prevent leakage. Recommended storage temperature: 2 - 8 °C

### Incompatible Products

No known products

## 8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

### Personal protective equipment

#### Respiratory protection

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

#### Hand protection

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

#### Eye protection

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

#### Skin and body protection

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

#### Hygiene measures

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

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Appearance

Form powder  
Colour light yellow  
Odor no data available

### Safety data

pH	no data available
Melting point/freezing point	no data available
Boiling point	no data available
Flash point	no data available
Ignition temperature	no data available
Autoignition Temperature	no data available
Lower explosion limit	no data available
Upper explosion limit	no data available
Vapour pressure	no data available

Density (water=1)	no data available
Water solubility	no data available
Partition coefficient: n-octanol/water	no data available
Relative vapour Density	no data available
Odour Threshold	no data available
Evaporation rate	no data available

## 10. STABILITY AND REACTIVITY

### Chemical stability

Stable under recommended storage conditions.

### Conditions to avoid

Exposure to light. Exposure to moisture

### Possibility of hazardous reactions

no data available

### Materials to avoid

Strong oxidizing agents

### Hazardous decomposition products

No data available

## 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**

Eye irritation, Causes skin irritation, Causes serious eye irritation. May cause respiratory irritation. Skin 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 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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[www.edvotek.com](http://www.edvotek.com)

## Safety Data Sheet

Version 2  
Revision Date 12/21/18

### 1. PRODUCT AND COMPANY IDENTIFICATION

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

### 2. HAZARDS IDENTIFICATION

#### Emergency Overview

#### GHS Classification

Corrosive to metals (1)  
Skin corrosion (1B)  
Serious eye damage (1)  
Specific target organ toxicity - single exposure (3)  
Respiratory system

#### Signal word

Danger

#### Pictograms



#### Hazard statement(s)

**H290** May be corrosive to metals.  
**H314** Causes severe skin burns and eye damage.  
**H335** May cause respiratory irritation.

**Precautionary statement(s)****P234** Keep only in original container.**P261** Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.**P264** Wash skin thoroughly after handling.**P271** Use only outdoors or in a well-ventilated area.**P280** Wear protective gloves/ protective clothing/ eye protection/ face protection.**P301 + P330 + P331** IF SWALLOWED: rinse mouth. Do NOT induce vomiting.**P303 + P361 + P353** IF ON SKIN (or hair): Remove/ Take off immediately all contaminated **clothing. Rinse skin with water/ shower.****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.

**P310** Immediately call a POISON CENTER or doctor/ physician.**HMIS Classification:**

Health hazard: 3

Flammability: 0

Physical hazard: 0

**NFPA Rating:**

Health hazard: 3

Fire: 0

Reactivity Hazard: 0

**Potential Health Effects:****Inhalation** Harmful if inhaled. May cause respiratory tract irritation.**Skin-** Harmful if absorbed through skin. May cause skin irritation.**Eyes-** Causes eye irritation.**Ingestion-** Harmful if swallowed.**3. COMPOSITION/INFORMATION ON INGREDIENTS****Formula :** HCl**Molecular Weight :** 36.46 g/mol

Chemical name	EC No.	CAS –No	Concentration
Hydrochloric acid	231-595-7	7647-01-0	0.5 M

## 4. FIRST AID MEASURES

### **If inhaled**

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

### **In case of skin contact**

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

### **In case of eye contact**

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

### **If swallowed**

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

## 5. FIREFIGHTING MEASURES

### **Conditions of flammability**

Not flammable or combustible.

### **Suitable extinguishing media**

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

### **Special protective equipment for firefighters**

Wear self contained breathing apparatus for fire fighting if necessary.

### **Hazardous combustion products**

No data available.

## 6. ACCIDENTAL RELEASE MEASURES

### **Personal precautions**

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

### **Environmental precautions**

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

### **Methods and materials for containment and cleaning up**

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

## 7. HANDLING AND STORAGE

### **Precautions for safe handling**

Handle in accordance with good industrial hygiene and safety practice.

### **Conditions for safe storage**

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

### **Incompatible storage**

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Bases, Amines, Alkali metals, Metals, permanganates

## 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 no color

### Safety data

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

## 10. STABILITY AND REACTIVITY

### Chemical stability

Stable under recommended storage conditions.

### Possibility of hazardous reactions

No further relevant data available.

### Conditions to avoid

No further relevant data available.

### Materials to avoid

Bases, Amines, Alkali metals, Metals, permanganates

### Hazardous decomposition products

No data available

**11. TOXICOLOGICAL INFORMATION****Acute toxicity****Oral LD50**

no data available

**Inhalation LC50**

no data available

**Dermal LD50**

no data available

no data available

**Reproductive toxicity**

no data available

**Teratogenicity**

no data available

**Skin corrosion/irritation**

no data available

**Serious eye damage/eye irritation**

no data available

**Respiratory or skin sensitization**

no data available

**Germ cell mutagenicity**

In vitro tests showed mutagenic effects

**Aspiration hazard**

no data available

**Synergistic effects**

no data available

**12. ECOLOGICAL INFORMATION****Toxicity**

no data available

**Persistence and degradability**

no data available

**Bioaccumulative potential**

no data available

**Other adverse effects**

no data available

**Mobility in soil**

no data available

**PBT and vPvB assessment**

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**

Corrosive to metals (1)

Skin corrosion (1B)

Serious eye damage (1)

Specific target organ toxicity - single exposure (3)

### **SARA 302 Components**

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

### **SARA 313 Components**

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

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

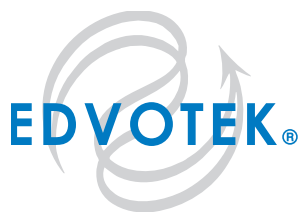
No SARA Hazards



**16. OTHER INFORMATION**

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



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[www.edvotek.com](http://www.edvotek.com)

## Safety Data Sheet

Version 2  
Revision Date 09/10/2014

### 1. PRODUCT AND COMPANY IDENTIFICATION

Product name:	Oil-eating microbes	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: 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 powder  
Colour white  
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**

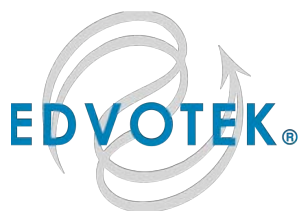
No SARA Hazards

## 16. OTHER INFORMATION

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## Safety Data Sheet

Version 2  
Revision Date 08/19/2013

### 1. PRODUCT AND COMPANY IDENTIFICATION

Product name:	ReadyPour™ Luria Broth	Telephone:	1-800-338-6835 or 202-370-1500
Product Number:	615	Fax:	202-370-1501
Brand:	Edvotek	Emergency Phone #:	202-370-1500
Supplier:	Edvotek 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:

**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  
Color           yellowish  
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.

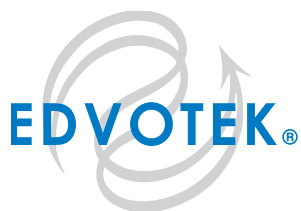
### SARA 311/312 Hazards

No SARA Hazards

## 16. OTHER INFORMATION

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.



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## Safety Data Sheet

Version 2  
Revision Date 12/21/2018

### 1. PRODUCT AND COMPANY IDENTIFICATION

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

### 2. HAZARDS IDENTIFICATION

#### Emergency Overview

#### GHS Classification

Skin irritation 2  
Serious eye damage 1

#### Signal Word

Danger

#### Pictogram



#### Hazard(s) Statements

**H315** Causes skin irritation.

**H318** Causes serious eye

#### Precautionary statement(s)

P280 Wear protective gloves/ eye protection/ face protection.

#### **P305 + P351 + P338 IF IN EYES:**

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



**HMIS Classification:**

Health hazard: 3

Flammability: 0

Physical hazard: 1

**NFPA Rating:**

Health hazard: 3

Fire: 0

Reactivity Hazard: 0

**Potential Health Effects:****Inhalation** May be harmful if inhaled.**Skin** May be harmful if absorbed through skin. Cause skin burns.**Eyes** Causes eye burns.**Ingestion** May be harmful if swallowed.**8. COMPOSITION/INFORMATION ON INGREDIENTS**

Formula: NaOH

Molecular Weight: 40.00 g/mol

Chemical name	EC No.	CAS –No	Concentration
Sodium Hydroxide	215-185-5	1310-73-2	< 1M

**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

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

## 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**

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**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**

Corrosive

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**SARA 313 Components**

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**SARA 311/312 Hazards**

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