



## Safety Data Sheet

Material Name: B/Ox 322-A

SDS ID: EPI-0124

---

### Section 1 - PRODUCT AND COMPANY IDENTIFICATION

---

**Material Name**

B/Ox 322-A

**Details of the supplier of the safety data sheet**

Electrochemical Products Inc.

17000 West Lincoln Ave

New Berlin, WI 53151

Phone: 262-786-9330

Emergency Phone #: NCEC (#EPI-29003) +1 202 464 2554, +44 1865 407333

E-mail: us-sales@epi.com

www.epi.com

Fax: 262-786-9403

---

### Section 2 - HAZARDS IDENTIFICATION

---

**Classification in accordance with paragraph (d) of 29 CFR 1910.1200.**

None needed according to classification criteria

**GHS Label Elements**

**Symbol(s)**

None needed according to classification criteria

**Signal Word**

None needed according to classification criteria

**Hazard Statement(s)**

None needed according to classification criteria.

**Precautionary Statement(s)**

**Prevention**

None needed according to classification criteria.

**Response**

None needed according to classification criteria.

**Storage**

None needed according to classification criteria.

**Disposal**

Dispose of contents/container in accordance with local/regional/national/international regulations.

---



## Safety Data Sheet

Material Name: B/Ox 322-A

SDS ID: EPI-0124

### Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

---

CAS	Component Name	Percent
7732-18-5	Water	90-98
7772-98-7	Sodium thiosulfate	5-10

---

### Section 4 - FIRST AID MEASURES

#### Inhalation

If inhaled, remove victim to fresh air.

#### Skin

Wash skin with soap and water.

#### Eyes

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

#### Ingestion

Give several glasses of water. Never give anything by mouth to a person who is unconscious or is having convulsions. Call a physician immediately.

#### Most Important Symptoms/Effects

##### Acute

This product may cause irritation to the eyes. Mixing with acids may generate sulfur dioxide and/or hydrogen sulfide gases.

---

### Section 5 - FIRE FIGHTING MEASURES

---

#### Extinguishing Media

##### Suitable Extinguishing Media

Dry chemical, foam, carbon dioxide, water fog.

##### Unsuitable Extinguishing Media

None identified.

#### Hazardous Combustion Products

May produce toxic gases of sulfur dioxide and/or hydrogen sulfide (material not flammable).

#### Fire Fighting Measures

Firefighters should wear full-face, self-contained breathing apparatus and impervious protective clothing. Firefighters should avoid inhaling any combustion products.



## Safety Data Sheet

Material Name: B/Ox 322-A

SDS ID: EPI-0124

---

### Section 6 - ACCIDENTAL RELEASE MEASURES

---

#### **Personal Precautions, Protective Equipment and Emergency Procedures**

Wear appropriate protective equipment and clothing during clean-up. Isolate area. Keep unnecessary personnel away.

#### **Methods and Materials for Containment and Cleaning Up**

Dike the spilled material, where this is possible. Absorb with inert absorbent such as dry clay, sand or diatomaceous earth, commercial sorbents, or recover using pumps.

#### **Environmental Precautions**

Incinerate spent absorbent material in an approved incinerator.

---

### Section 7 - HANDLING AND STORAGE

---

#### **Precautions for Safe Handling**

Wash thoroughly after handling. Keep container tightly closed.

#### **Conditions for Safe Storage, Including any Incompatibilities**

None needed according to classification criteria.

Keep container tightly closed in a cool, well-ventilated place.

---

### Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

---

#### **Component Exposure Limits**

ACGIH, NIOSH, EU, OSHA (US) and Mexico have not developed exposure limits for any of this product's components

#### **EU - Occupational Exposure (98/24/EC) - Binding Biological Limit Values and Health Surveillance Measures**

There are no biological limit values for any of this product's components.

#### **ACGIH - Threshold Limit Values - Biological Exposure Indices (BEI)**

There are no biological limit values for any of this product's components.

#### **Engineering Controls**

Use general ventilation and use local exhaust, where possible, in confined or enclosed spaces.

#### **Individual Protection Measures, such as Personal Protective Equipment**

##### **Eye/face protection**

Wear safety glasses with side shields.

##### **Skin Protection**

Use of protective coveralls and long sleeves is recommended to prevent skin contact.



## Safety Data Sheet

Material Name: B/Ox 322-A

SDS ID: EPI-0124

### Respiratory Protection

Use a NIOSH approved HEPA filter, or supplied air respirators when exposures reach the OSHA established PELs. Use the respirator when sulfur dioxide and/or hydrogen sulfide gas are released.

### Glove Recommendations

Use chemical resistant impervious gloves.

### Protective Materials

Eye wash fountain and emergency showers are recommended. Use good industrial hygiene practices in handling this material.

## Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Clear solution	<b>Physical State</b>	liquid
<b>Odor</b>	Odorless	<b>Color</b>	Not available
<b>Odor Threshold</b>	Not available	<b>pH</b>	7 - 8.3
<b>Melting Point</b>	Not available	<b>Boiling Point</b>	215 - 218 °F
<b>Freezing point</b>	32 °F (0 °C)	<b>Evaporation Rate</b>	(Approx. equal to Water)
<b>Boiling Point Range</b>	Not available	<b>Flammability (solid, gas)</b>	Not available
<b>Autoignition</b>	Not available	<b>Flash Point</b>	Not available
<b>Lower Explosive Limit</b>	Not available	<b>Decomposition</b>	Not available
<b>Upper Explosive Limit</b>	Not available	<b>Vapor Pressure</b>	Not available
<b>Vapor Density (air=1)</b>	(Approx. equal to water)	<b>Specific Gravity (water=1)</b>	1.03 - 1.07
<b>Water Solubility</b>	Completely	<b>Partition coefficient: n-octanol/water</b>	Not available
<b>Viscosity</b>	Not available	<b>Solubility (Other)</b>	Not available
<b>Density</b>	Not available	<b>VOC</b>	0

## Section 10 - STABILITY AND REACTIVITY



## Safety Data Sheet

Material Name: B/Ox 322-A

SDS ID: EPI-0124

### Chemical Stability

This is a stable material.

### Possibility of Hazardous Reactions

Will not occur.

### Conditions to Avoid

This product may react with strong acids or oxidizing agents. Avoid contact with extreme heat.

### Incompatible Materials

This product may react with strong acids or oxidizing agents.

### Hazardous decomposition products

Sulfur dioxide and/or hydrogen sulfide gases.

---

## Section 11 - TOXICOLOGICAL INFORMATION

---

### Acute and Chronic Toxicity

#### Component Analysis - LD50/LC50

The components of this material have been reviewed in various sources and the following selected endpoints are published:

Water (7732-18-5)

Oral LD50 Rat >90 mL/kg

#### Immediate Effects

No information on significant adverse effects.

#### Delayed Effects

No information on significant adverse effects.

#### Irritation/Corrosivity Data

No data available.

#### Respiratory Sensitization

No data available.

#### Dermal Sensitization

No data available.

#### Component Carcinogenicity

None of this product's components are listed by ACGIH, IARC, NTP, DFG or OSHA

#### Germ Cell Mutagenicity

No data available.

#### Tumorigenic Data

No data available

#### Reproductive Toxicity

No data available.



## Safety Data Sheet

Material Name: B/Ox 322-A

SDS ID: EPI-0124

### Specific Target Organ Toxicity - Single Exposure

No data available.

### Specific Target Organ Toxicity - Repeated Exposure

No data available.

### Aspiration hazard

No data available.

### Medical Conditions Aggravated by Exposure

No data available.

---

## Section 12 - ECOLOGICAL INFORMATION

---

### Component Analysis - Aquatic Toxicity

No LOLI ecotoxicity data are available for this product's components

---

## Section 13 - DISPOSAL CONSIDERATIONS

---

### Disposal Methods

Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations. Do not allow this material to drain into sewers/water supplies.

---

## Section 14 - TRANSPORT INFORMATION

---

### US DOT Information:

No Classification assigned.

### TDG Information:

No Classification assigned.

---

## Section 15 - REGULATORY INFORMATION

---

### U.S. Federal Regulations

None of this products components are listed under SARA Sections 302/304 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), CERCLA (40 CFR 302.4), TSCA 12(b), or require an OSHA process safety plan.

### U.S. State Regulations

The following components appear on one or more of the following state hazardous substances lists:



## Safety Data Sheet

Material Name: B/Ox 322-A

SDS ID: EPI-0124

Component	CAS	CA	MA	MN	NJ	PA
Water	7732-18-5	No	No	No	No	Yes

### Not listed under California Proposition 65

### Canada Regulations

This material is not a controlled product under Canadian WHMIS regulations.

### Component Analysis - Inventory

Water (7732-18-5)

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR - KECI/KECL	KR - TCCA	CN	NZ	MX
Yes	DSL	EIN	Yes	Yes	No	No	Yes	No	Yes	Yes	Yes

Sodium thiosulfate (7772-98-7)

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR - KECI/KECL	KR - TCCA	CN	NZ	MX
Yes	DSL	EIN	Yes	Yes	Yes	No	Yes	No	Yes	Yes	Yes

## Section 16 - OTHER INFORMATION

### HMIS Rating

Health: 1 Fire: 0 Reactivity: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe \* = Chronic hazard

### Key / Legend

ACGIH - American Conference of Governmental Industrial Hygienists; ADR - European Road Transport; AU - Australia; BOD - Biochemical Oxygen Demand; C - Celsius; CA - Canada; CAS - Chemical Abstracts Service; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CLP - Classification, Labelling, and Packaging; CN - China; CPR - Controlled Products Regulations; DFG - Deutsche Forschungsgemeinschaft; DOT - Department of Transportation; DSD - Dangerous Substance Directive; DSL - Domestic Substances List; EEC - European Economic Community; EINECS - European Inventory of Existing Commercial Chemical Substances; ENCS - Japan Existing and New Chemical Substance Inventory; EPA - Environmental Protection Agency; EU - European Union; F - Fahrenheit; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; ICAO - International Civil Aviation Organization; IDL - Ingredient Disclosure List; IDLH - Immediately Dangerous to Life and Health; IMDG - International Maritime Dangerous Goods; ISHL - Japan Industrial Safety and Health Law; JP - Japan; Kow - Octanol/water partition coefficient; KECI - Korea Existing Chemicals Inventory; KECL - Korea Existing Chemicals List; KR - Korea; LEL - Lower Explosive Limit; LLV - Level Limit Value; LOLI - List Of Lists™ - ChemADVISOR's Regulatory Database; MAK - Maximum Concentration Value in the



## Safety Data Sheet

Material Name: B/Ox 322-A

SDS ID: EPI-0124

Workplace; MEL - Maximum Exposure Limits; MX – Mexico; NFPA - National Fire Protection Agency; NIOSH - National Institute for Occupational Safety and Health; NJTSR - New Jersey Trade Secret Registry; NTP - National Toxicology Program; NZ - New Zealand; OSHA - Occupational Safety and Health Administration; PH - Philippines; RCRA - Resource Conservation and Recovery Act; REACH- Registration, Evaluation, Authorisation, and restriction of Chemicals; RID - European Rail Transport; SARA - Superfund Amendments and Reauthorization Act; STEL - Short-term Exposure Limit; TCCA – Korea Toxic Chemicals Control Act.; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act; TW – Taiwan; TWA - Time Weighted Average; UEL - Upper Explosive Limit; US - United States.

### Other Information

#### Disclaimer:

Reasonable care has been taken in the preparation of this information; however, the manufacturer makes no warranty whatsoever including the warranty of merchantability, expressed or implied, with respect to this information. The manufacturer makes no representations and assumes no liability for any direct, incidental, consequential, or other such damages resulting from its use or misuse..