



Material Safety Data Sheet Electrode Storage Solution

Section 1 - Chemical Product and Company Identification

MSDS Name:

Electrode Storage Solution

Catalog Numbers:

LC14020

Synonyms:

None

Company Identification:

LabChem Inc
200 William Pitt Way
Pittsburgh, PA 15238

Company Phone Number:

(412) 826-5230

Emergency Phone Number:

(800) 424-9300

CHEMTREC Phone Number:

(800) 424-9300

Section 2 – Composition, Information on Ingredients

CAS#	Chemical Name:	Percent
7732-18-5	Water	balance
877-24-7	Potassium hydrogen phthalate	1
7447-40-7	Potassium chloride	0.6

Section 3 - Hazards Identification

Emergency Overview

Appearance: *Clear, colorless solution*

Solution is expected to be non-hazardous.

Target Organs: *None***Potential Health Effects****Eye:**

Not expected to irritate eyes.

Skin:

Not expected to irritate skin.

Ingestion:

No hazard expected during normal use.

Inhalation:

No hazard expected during normal use.

Chronic:

No information found.



Material Safety Data Sheet Electrode Storage Solution

Section 4 - First Aid Measures

Eyes:

Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid at once.

Skin:

Get medical aid at once. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.

Ingestion:

Call a poison control center. If swallowed, do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical aid at once.

Inhalation:

Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

Notes to Physician:

Treat symptomatically and supportively.

Section 5 - Fire Fighting Measures

General Information:

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

Extinguishing Media:

For small fires, use dry chemical, carbon dioxide, water spray or alcohol-resistant foam.

Autoignition Temperature:

Not applicable.

Flash Point:

Not applicable.

NFPA Rating:

Health- 1, Flammability- 0, Instability- 0.

Explosion Limits:

Lower: n/a Upper: n/a

Section 6 - Accidental Release Measures

General Information:

Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks:

Absorb spill using an absorbent material such as earth, sand, diatomaceous earth, vermiculite, or other suitable absorbent. Transfer to a container labeled for disposal.

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Material Safety Data Sheet Electrode Storage Solution

Section 7 - Handling and Storage

Handling:

Wash thoroughly after handling. Do not ingest or inhale. Avoid contact with eyes, skin, and clothing.

Storage:

Store capped at room temperature.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls:

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

Exposure Limits:

Chemical Name:	ACGIH	NIOSH	OSHA
Water	None of the components are on this list.	None of the components are on this list.	None of the components are on this list.
Potassium hydrogen phthalate	None of the components are on this list.	None of the components are on this list.	None of the components are on this list.
Potassium chloride	None of the components are on this list.	None of the components are on this list.	None of the components are on this list.

OSHA Vacated PELs:

None of the components are listed.

Personal Protective Equipment**Eyes:**

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin:

Wear appropriate gloves to prevent skin exposure.

Clothing:

Wear appropriate protective clothing to prevent skin exposure.

Respirators:

Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Section 9 - Physical and Chemical Properties

Physical State:	Liquid
Color:	Colorless
Odor:	Odorless
pH:	4
Vapor Pressure:	14mm Hg @20°C
Vapor Density:	0.7 (Air = 1)
Evaporation Rate:	Not available
Viscosity:	Not available
Boiling Point:	Not available
Freezing/Melting Point:	Not available



Material Safety Data Sheet Electrode Storage Solution

Decomposition Temperature: Not available
Solubility in water: Soluble
Specific Gravity/Density: 1.0
Molecular Formula: Not applicable
Molecular Weight: Not applicable

Section 10 - Stability and Reactivity

Chemical Stability:

Stable under normal temperatures and pressures.

Conditions to Avoid:

Excess heat, incompatible materials.

Incompatibilities with Other Materials:

Strong oxidizing agents, nitric acid, silver nitrate.

Hazardous Decomposition Products:

Carbon monoxide, carbon dioxide, hydrogen chloride.

Hazardous Polymerization:

Has not been reported.

Section 11 - Toxicological Information

RTECS:

CAS# 7732-18-5: ZC0110000.

CAS# 877-24-7: CZ4326000.

CAS# 7447-40-7: TS8050000.

LD50/LC50:

CAS# 7732-18-5:

Oral, rat: LD50 = >90 mL/kg.

CAS# 877-24-7:

Dermal, guinea pig: LD50 = >1 g/kg

Oral, rat: LD50 = >3200 mg/kg.

CAS# 7447-40-7:

Oral, mouse: LD50 = 1500 mg/kg

Oral, rat: LD50 = 2600 mg/kg.

Carcinogenicity:

CAS# 7732-18-5: Not listed as a carcinogen by ACGIH, IARC, NIOSH, NTP, OSHA, or CA Prop 65.

CAS# 877-24-7: Not listed as a carcinogen by ACGIH, IARC, NIOSH, NTP, OSHA, or CA Prop 65.

CAS# 7447-40-7: Not listed as a carcinogen by ACGIH, IARC, NIOSH, NTP, OSHA, or CA Prop 65.

Epidemiology:

No information found

Teratogenicity:

No information found

Reproductive:

No information found

Mutagenicity:

No information found



Material Safety Data Sheet Electrode Storage Solution

Neurotoxicity:

No information found

Section 12 - Ecological Information

No information found

Section 13 - Disposal Considerations

Dispose of in accordance with Federal, State, and local regulations.

Section 14 - Transport Information

US DOT

Shipping Name: Not regulated

Hazard Class:

UN Number:

Packing Group:

Section 15 - Regulatory Information

US Federal

TSCA:

CAS# 7732-18-5 is listed on the TSCA Inventory.

CAS# 877-24-7 is listed on the TSCA Inventory.

CAS# 7447-40-7 is listed on the TSCA Inventory.

SARA Reportable Quantities (RQ):

None of the components are on this list.

CERCLA/SARA Section 313:

None of the components are on this list.

OSHA - Highly Hazardous:

None of the chemicals in this product are considered highly hazardous by OSHA.

US State

State Right to Know:

None of the components are on this list.

California Regulations:

None.

European/International Regulations

Canadian DSL/NDL:

CAS# 7732-18-5 is listed on Canada's DSL List.

CAS# 877-24-7 is listed on Canada's DSL List.

CAS# 7447-40-7 is listed on Canada's DSL List.



Material Safety Data Sheet Electrode Storage Solution

Canada Ingredient Disclosure List:

CAS# 7732-18-5 is not listed on Canada's Ingredient Disclosure List.

CAS# 877-24-7 is not listed on Canada's Ingredient Disclosure List.

CAS# 7447-40-7 is not listed on Canada's Ingredient Disclosure List.

Section 16 - Other Information

MSDS Creation Date: October 1, 1998

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