

SECTION 1: Product and Company Identification

Identification of the substance or mixture

Product Name: IEF Cathode Buffer (pH 3-10) [10X]
Catalog #: 10499, 10499-1

Company Identification

Cepharm Life Sciences Inc.
11830 W Market Place, Suite K
Fulton, MD 20759
USA
Toll Free: 1-800-257-1565
Phone: 410-636-4954

24-hour Emergency Response for Hazardous Materials [or Dangerous Goods] Incident, Spill, Leak, Fire, Exposure, or Accident Call CHEMTREC Toll Free: 1-800-424-9300/ +1 703-527-3887 CCN 1010970

For Research Use Only. Not for use in diagnostic procedures.

SECTION 2: Hazards identification

Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)
None

GHS Label elements, including precautionary statements

None

Health Hazards

Not classified

Physical Hazards

Not classified

Hazard statement(s)

Not Applicable

Precautionary statement(s)

Not Applicable

Principle Routes of Exposure

Potential Health Effects

| | |
|------------|--|
| Eyes | May cause eye irritation with susceptible persons. |
| Skin | May cause skin irritation in susceptible persons. |
| Inhalation | May be harmful by inhalation. |
| Ingestion | May be harmful if swallowed |

Specific Effects

| | |
|-----------------------|-------|
| Carcinogenic effects | None. |
| Mutagenic effects | None. |
| Reproductive toxicity | None. |
| Sensitization | None |

Target Organ Effects No known effects under normal use conditions

HMIS

Health: 0

Flammability: 0
Reactivity: 0

SECTION 3: Composition / Information on Ingredients

The product contains no substances which at their given concentration, are considered to be hazardous to health.

SECTION 4: First Aid Measures

| | |
|---------------------------|---|
| Skin contact | Rinse cautiously with water for several minutes. Immediate medical attention is not required. |
| Eye contact | Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. |
| Ingestion | Not expected to present a significant ingestion hazard under anticipated conditions of normal use. If you feel unwell, seek medical advice. |
| Inhalation | Not expected to be an inhalation hazard under anticipated conditions of normal use of this material. Consult a physician if necessary. |
| Notes to Physician | Treat symptomatically. |

SECTION 5: Firefighting Measures

| | |
|--|---|
| Suitable extinguishing media | Water spray. Carbon dioxide (CO ₂). Foam. Dry chemical. |
| Special protective equipment for firefighters | Standard procedure for chemical fires. |

SECTION 6: Accidental Release Measures

| | |
|---|---|
| Personal precautions | Always wear recommended Personal Protective Equipment. Use personal protection equipment. |
| Methods for cleaning up | Soak up with inert absorbent material. |
| <u>Environmental precautions</u> | No special environmental precautions required. |

SECTION 7: Handling & Storage

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|-----------------|--|
| Handling | Always wear recommended Personal Protective Equipment. No special handling advices are necessary |
| Storage | Keep in a dry, cool and well-ventilated place. |

SECTION 8: Exposure Controls / Personal Protection

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|-----------------------------|--|
| Exposure Limits | We are not aware of any national exposure limit. |
| Engineering Measures | Ensure adequate ventilation, especially in confined areas. |

Personal Protective Equipment

Personal Protective Equipment requirements are dependent on the user institution's risk assessment and are specific to the risk assessment for each laboratory where this material may be used.

| | |
|---------------------------------|---|
| Respiratory protection | In case of insufficient ventilation, wear suitable respiratory equipment. |
| Hand protection | Impervious gloves. |
| Eye protection | Wear safety glasses with side shields (or goggles). |
| Skin and Body Protection | Lightweight protective clothing |
| Hygiene measures | Handle in accordance with good industrial hygiene and safety practice. |

Environmental exposure controls

No special environmental precautions required.

SECTION 9: Physical and Chemical Properties

Information on basic physical and chemical properties

| | |
|---------------------------------|-------------------|
| a) Appearance | Form: liquid |
| b) Odor | No data available |
| c) Odor Threshold | No data available |
| d) Melting point/freezing point | No data available |

| | |
|---|-------------------|
| f) Initial boiling point and boiling range | No data available |
| g) Flash point | No data available |
| h) Evaporation rate | No data available |
| i) Flammability (solid, gas) | No data available |
| j) Upper/lower flammability or explosive limits | No data available |
| k) Vapour pressure | No data available |
| l) Vapour density | No data available |
| m) Relative density | No data available |
| n) Water solubility | No data available |
| o) Partition coefficient: n-octanol/water | No data available |
| p) Auto-ignition temperature | No data available |
| q) Decomposition temperature | No data available |
| r) Viscosity | No data available |
| s) Explosive properties | No data available |
| t) Oxidizing properties | No data available |

Other safety information

No data available

SECTION 10: Stability & Reactivity

Stability

Stable under normal conditions.

Materials to avoid

No dangerous reaction known under conditions of normal use.

Hazardous decomposition products

None under normal use conditions.

Polymerization

Hazardous polymerization does not occur.

SECTION 11: Toxicological Information

Acute Toxicity

No toxicology information is available.

Principle Routes of Exposure

Potential Health Effects

| | |
|-------------------|--|
| Eyes | May cause eye irritation with susceptible persons. |
| Skin | May cause skin irritation in susceptible persons. |
| Inhalation | May be harmful by inhalation. |
| Ingestion | May be harmful if swallowed. |

| | |
|------------------------------|------|
| Carcinogenic effects | None |
| Mutagenic effects | None |
| Reproductive Toxicity | None |
| Sensitization | None |

SECTION 12: Ecological Information

Ecotoxicity

Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants.

Mobility

No information available.

Biodegradation

Inherently biodegradable.

Bioaccumulation

Material does not bioaccumulate.

SECTION 13: Disposal Considerations

Dispose of contents / containers in accordance with local regulations.

SECTION 14: Transport Information

IATA

| | |
|-----------------------------|--|
| Proper Shipping Name | No dangerous good in sense of these transport regulations. |
| Hazard Class | None |
| Subsidiary class | None |
| Packing group | None |
| UN-No | None |

SECTION 15: Regulatory Information

US Federal Regulations

SARA 313

This product is not regulated by SARA.

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product does not contain HAPs.

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

WHMIS Hazard Class

Non-controlled

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

SECTION 16: Other Information

Disclaimer:

For Research Use Only. Not for use in diagnostic procedures.

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It does not represent any guarantee of the properties of the product. Cepham Life Sciences Incorporated and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product.