

Product and Company Identification

Product Name: CE 10X Running Buffer (with EDTA)
Product Use: For Research Use Only. Not for use in diagnostic procedures
Company: Molecular Cloning Laboratories(MCLAB)
320 Harbor Way
South San Francisco, CA 94080
Telephone: 1-888-MCLAB-88
1-650-871-8771
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Composition/Information on Ingredients

Chemical Name	N-{Tris(hydroxymethyl)methyl}-3-aminopropanesulfonic acid	Salt of organic acid	Ethylenediaminetetraacetic acid disodium salt dihydrate
Formular	C ₇ H ₁₇ NO ₆ S	Proprietary	C ₁₀ H ₁₄ N ₂ Na ₂ O ₈ - 2H ₂ O
CAS#	29915-38-6	Proprietary	6381-92-6
Weight %	10-30	10-30	1-5

Hazards Identification

NFPA Ratings (Scale 0-4): Health = 1, Fire = 0, Reactivity = 0

HMIS Ratings (Scale 0-4): Health = 1, Fire = 0, Reactivity = 0

Emergency Overview

Physical Form: Liquid

Major Health Hazards: May cause skin, eye, and respiratory tract irritation

Potential Health Effects

Acute Toxicity

Inhalation: Inhalation of vapors in high concentration may cause irritation of respiratory system

Skin Contact: May cause irritation

Eye Contact: May cause irritation

Ingestion: Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea

Chronic Effects: No known effect

Aggravated Medical Conditions: Preexisting eye disorders. Skin disorders.

First Aid Measures

In case of eye contact:

Rinse thoroughly with plenty of water for at least 15 minutes and get immediate medical attention.

In case of skin contact:

Wash off immediately with soap and plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Consult a physician. Thoroughly clean and dry contaminated clothing and shoes before reuse.

Inhalation:

If adverse effects occur, remove to uncontaminated area. If not breathing, give artificial respiration. Get immediate medical attention.

Ingestion:

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Fire-Fighting Measures

Flammable Properties:

Not flammable

Suitable Extinguishing Media:

Carbon dioxide, regular dry chemical, regular foam, water

Explosion Data:

Sensitivity to mechanical impact None

Sensitivity to static discharge None

Specific Hazards Arising from the Chemical:

Thermal decomposition can lead to release of irritating gases and vapors.

Fire Fighting:

Move container from fire area if it can be done without risk. Wear self-contained breathing apparatus and full protective gear. Avoid inhalation of material or combustion by-products. Stay upwind and keep out of low areas.

Flash point:

No data available

Accidental Release Measures

Personal Precautions:

Use personal protective equipment. Avoid contact with skin, eyes and clothing.

Methods for Containment:

Prevent further leakage or spillage if safe to do so.

Methods for Cleaning up:

Dam up. Absorb with sand or other non-combustible materials. Collect spilled material in appropriate container for disposal.

Handling And Storage

Handling:

Wear personal protective equipment. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Do not breathe vapors or spray mist.

Storage:

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labeled containers.

Exposure Controls/Personal Protection

Exposure Guidelines:

This product does not contain any hazardous materials with occupational exposure limits established by region specific regulatory bodies.

Engineering Measures:

Showers, eyewash stations, and ventilation systems.

Personal protective Equipment:

Eye/Face Protection

Wear splash resistant safety goggles with a face-shield.

Skin/Body Protection

Wear appropriate chemical resistant gloves/clothing.

Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment.

Hygiene Measures:

Remove and wash contaminated clothing before re-use. Regular cleaning of equipment, work area and clothing.

Wash hands before breaks and immediately after handling the product.

Physical And Chemical Peoperties

Physical State: Liquid

Odor: No information available

Boiling Point/Range: No information available

Melting Point/Range: No information available

Flash Point: No information available

Vapor Pressure: No information available

Vapor Density: No information available

Specific Gravity: No information available

Water Solubility: Completely soluble in water

pH: 8

Volatility: No information available

Odor Threshold: No information available

Evaporation Rate: No information available

Coefficient of Water/Oil Distribution: No information available

Stability And Reactivity

Stability:

Stable under recommended storage conditions.

Incompatible Products:

None known

Conditions to Avoid:

None known

Hazardous Decomposition Products:

Carbon monoxide, Carbon dioxide, Nitrogen oxides, Sulfur oxides.

Hazardous Polymerization:

Hazardous polymerization does not occur.

Toxicological Information

Acute Toxicity

Product Information:

Product does not present an acute toxicity hazard based on known or supplied information

Chronic Toxicity

Chronic Toxicity:

No know effect

Sensitization:

No information available

Signs and Symptoms of Exposure:

To the best of our knowledgem the chemical, physical and toxicological properties have not been thoroughly investigated.

Ecological Information

Ecotoxicity:

The environmental impact of this product has not been fully investigated.

Disposal Considerations

Appropriate Method of Disposal of Substance or Preparation

Contact a licensed professional waste disposal service to dispose of this material. Observe all federal, state, and local environmental regulations.

Transport Information

U.S. Department of Transportation: No classification assigned.
Canadian Transportation of Dangerous Goods: No classification assigned.
Land Transport ADR: No classification assigned.
Land Transport RID: No classification assigned.
Air Transport IATA: No classification assigned.
Air Transport ICAO: No classification assigned.
Maritime Transport IMDG: No classification assigned.

Regulatory Information

International Inventories:

TSCA Not listed on inventory. For purpose of 40 CFR 720.36, this product is for Research and Development Use Only.

DSL Does not Comply

EINECS/ELINCS Does not Comply

CHINA Does not Comply

KECL Does not Comply

PICCS Does not Comply

AICS Does not Comply

U.S. Federal Regulations:

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories:

Acute Health Hazard No

Chronic Health Hazard No

Fire Hazard No

Sudden Release of Pressure Hazard No

Reactive Hazard No

Clean Water Act:

This product does not contain any substance regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 112.42).

CERCLA:

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to release of the material.

U.S. State Regulations:

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations:

This product does not contain any substances regulated by state right-to-know regulations.

International Regulations:

Canada:

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 the CPR.

WHMIS Hazard Class:

Non-controlled

*Other Information***Further information:**

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text

End of MSDS