SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : DNA Loading Buffer (6X)
Product Use Description : Scientific research and development

Company : Lonza Inc. - Rockland
191 Thomaston Street
Rockland, ME 04841-2994
USA
Business Telephone: (207) 594-3400

Lonza Inc. - Walkersville
8830 Biggs Ford Road
Walkersville, MD 21793-0127
USA
Business Telephone (301) 898-7025

Emergency telephone number : 703-527-3887 (US: 800-424-9300)

SECTION 2. HAZARDS IDENTIFICATION

Emergency Overview

Non-hazardous substance
Colour: dark blue, Odour: odourless
OSHA Hazards : NO OSHA HAZARDS

Potential Health Effects
Primary Routes of Entry : Eyes
Skin

Aggravated Medical Condition
Inhalation : May cause respiratory tract irritation.
Skin : May cause skin irritation.
Eyes : May irritate eyes.
Ingestion : May be harmful if swallowed.

Symptoms of Overexposure : No information available.
SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

No ingredients are hazardous according to OSHA criteria.

SECTION 4. FIRST AID MEASURES

First aid procedures

Inhalation : No special precautions required.
Skin contact : Wash with water and soap as a precaution. If skin irritation persists, call a physician.
Eye contact : Immediately flush eye(s) with plenty of water. If eye irritation persists, consult a specialist.
Ingestion : Immediately give large quantities of water to drink. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.

Notes to physician

Symptoms : No information available.
Treatment : No information available.

SECTION 5. FIREFIGHTING MEASURES

Flammable properties

Flash point : Remarks: does not flash

Fire fighting

Suitable extinguishing media : Water spray
Dry powder
Foam

Further information : Use water spray to cool unopened containers.

Protective equipment and precautions for firefighters

Specific hazards during firefighting : Heating or fire can release toxic gas.
Special protective equipment : In the event of fire, wear self-contained breathing apparatus.
SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Use personal protective equipment.

Environmental precautions: Prevent product from entering drains.

Methods for containment / Methods for cleaning up: Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

SECTION 7. HANDLING AND STORAGE

Handling:

Advice on protection against fire and explosion: Take precautionary measures against static discharges.

Storage:

Requirements for storage areas and containers: Keep tightly closed. Store at room temperature.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines:

Contains no substances with occupational exposure limit values.

Engineering measures:

Engineering measures: Avoid splashes.

Personal protective equipment:

Eye protection: Tightly fitting safety goggles

Hand protection: Wear suitable gloves., Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).

Skin and body protection: Choose body protection according to the amount and concentration of the dangerous substance at the work place. No special protective equipment required.
Respiratory protection: No personal respiratory protective equipment normally required.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance
Physical state: liquid
Colour: dark blue
Odour: odourless

Safety data
Flash point: Note: does not flash
pH: Note: no data available
Freezing point: ca. 32 °F (0 °C)
Boiling point/boiling range: ca. 212 °F (100 °C)
Density: ca.1 g/cm3 at 68 °F (20 °C)
Water solubility: Note: soluble

SECTION 10. STABILITY AND REACTIVITY

Conditions to avoid: Remarks: None known.
Materials to avoid: Remarks: Strong oxidizing agents
Hazardous decomposition products: Note: No decomposition if stored normally.

SECTION 11. TOXICOLOGICAL INFORMATION

Further information: No data is available on the product itself.

SECTION 12. ECOLOGICAL INFORMATION
Material Safety Data Sheet

DNA Loading Buffer (6X)

Biodegradability: Remarks: no data available

Bioaccumulation: Remarks: no data available

Acute Fish toxicity: Remarks: no data available

Additional ecological information: No data is available on the product itself.

SECTION 13. DISPOSAL CONSIDERATIONS

Further information: Dispose of in accordance with local regulations. Do not dispose of waste into sewer. Solutions with high pH-value must be neutralized before discharge.

SECTION 14. TRANSPORT INFORMATION

DOT
Not dangerous goods

TDG
Not dangerous goods

IATA
Not dangerous goods

IMDG-CODE
Not dangerous goods

RID
Not dangerous goods

SECTION 15. REGULATORY INFORMATION

OSHA Hazards: No OSHA Hazards

WHMIS Classification: UP UP: Uncontrolled product

TSCA Status: All components of this product are listed on the EPA TSCA 8(b) inventory list.

DSL Status: All ingredients in this product are in compliance with the Canadian Domestic Substance List.

SARA 311/312 Hazards: No SARA Hazards
EPCRA - EMERGENCY PLANNING COMMUNITY RIGHT - TO - KNOW

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 threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

US State Regulations

Massachusetts Right To Know Components : No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know Components : Water 7732-18-5

New Jersey Right To Know Components : Water 7732-18-5
Ethylenediaminetetraacetic acid disodium salt dihydrate 6381-92-6

California Prop. 65 Components : This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

SECTION 16. OTHER INFORMATION

Further information

HMIS Classification : Health hazard: 0
Flammability: 0
Physical hazards: 0
Reactivity: 0

The information provided in this Safety Data Sheet 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 guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered 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 materials or in any process, unless specified in the text.

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