

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

PRODUCT NAME: 10X DNASE I BUFFER

PRODUCTNUMBER : F8170G

SYNONYMS: 2222, F8170G

SUPPLIER: AMBION, INC
2130 WOODWARD ST.
AUSTIN, TX, 78744
USA
www.ambion.com

IN CASE OF EMERGENCY CALL
CHEMTREC 1-800-424-9300.

PRODUCT USE DESCRIPTION: FOR RESEARCH USE ONLY. NOT FOR USE IN
DIAGNOSTIC PROCEDURES

2. HAZARDS IDENTIFICATION

Emergency Overview

Warning!

Causes irritation to skin, eyes and respiratory tract.
Harmful by inhalation and if swallowed.

Potential health effects

Inhalation :

Causes respiratory tract irritation.
Harmful if inhaled.

Skin :

Causes skin irritation.

Eyes :

Causes eye irritation.

Ingestion :

Harmful if swallowed.

Physical and chemical hazards :

This information is not available.

Chronic exposure:

Prolonged skin contact may defat the skin and produce dermatitis.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components	CAS-No.	Weight %
Hydroxylated Organoamine	Proprietary	1 - 10 %

4. FIRST AID MEASURES

Eye contact	Immediately flush eyes for at least 15 minutes. Get medical attention.
Inhalation	Remove to fresh air immediately. Get medical attention immediately. If not breathing, give artificial respiration.
Skin contact	Rinse immediately with plenty of water and seek medical advice. Remove and wash contaminated clothing before re-use.
Ingestion	If swallowed, call a poison control centre or doctor immediately. Never give anything by mouth to an unconscious person.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	Water spray Carbon dioxide (CO ₂) Foam Dry chemical
Hazardous decomposition products	Carbon oxides, nitrogen oxides (NO _x)
Special protective equipment for fire-fighters	Wear self contained breathing apparatus for fire fighting if necessary. Use personal protective equipment.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Ensure adequate ventilation.
Avoid contact with skin, eyes and clothing.
Avoid breathing dust/fume/gas/mist/vapours/spray.

Environmental precautions

Should not be released into the environment. Prevent product from entering drains.

Methods for cleaning up

Clean contaminated floors and objects thoroughly while observing environmental regulations. Ensure adequate ventilation.

7. HANDLING AND STORAGE

Precautions for safe handling

Use only in area provided with appropriate exhaust ventilation. Wear personal protective equipment.

Storage conditions

Protect against physical damage. Isolate from incompatible substances. Store in original container. See product label for specific storage requirements.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limit(s)

We are not aware of any national exposure limit.

Eye protection

Chemical resistant goggles must be worn.

Ensure that eyewash stations and safety showers are close to the workstation location.

Hand protection

Wear suitable gloves.

Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.

Respiratory protection

Avoid breathing vapor.

For unknown concentrations or Immediately Dangerous to Life or Health (IDLH), use a full-facepiece positive pressure air supplied respirator.

Skin protection

Wear suitable protective clothing.

Engineering measures

Handle only in a place equipped with local exhaust (or other appropriate exhaust).

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	liquid
Colour	This information is not available.
Odour	This information is not available.
Odour Odour Threshold	This information is not available.
pH	This information is not available.
Boiling point	This information is not available.
Melting point	This information is not available.
Vapour pressure	This information is not available.
Water solubility	This information is not available.
Flash point	This information is not available.
Explosion limits	This information is not available.
Density	This information is not available.
Percent volatile	This information is not available.
Volatile organic compounds (VOC) content	This information is not available.

10. STABILITY AND REACTIVITY

Conditions to avoid Keep away from open flames, hot surfaces and sources of ignition.

Materials to avoid Oxidizing agents, Aluminium, Copper

Hazardous decomposition products Carbon oxides, nitrogen oxides (NOx)

11. TOXICOLOGICAL INFORMATION

Hazardous components : **Hydroxylated Organoamine**

Acute oral toxicity Oral LD50 rat 5,900 mg/kg

Further information

The product itself has not been tested.

12. ECOLOGICAL INFORMATION

We have no quantitative data concerning the ecological effects of this product.
An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

13. DISPOSAL CONSIDERATIONS

Environmental precautions Should not be released into the environment. Prevent product from entering drains.

Disposal methods Dispose of in accordance with local regulations.

General advice **DISPOSAL CONSIDERATIONS**
The product has to be disposed of as laboratory chemical in accordance with local regulations.

14. TRANSPORT INFORMATION

DOT

DOT: ROAD TRANSPORT

Not dangerous goods

IATA-DGR

Not dangerous goods

IMDG

Not dangerous goods

15. REGULATORY INFORMATION

US Regulations

40 CFR § 302.4 Designation of hazardous substances (SARA 302).

Non-hazardous substance

40 CFR § 355 Appendices A and B - The List of Extremely Hazardous Substances and Their Threshold Planning Quantities (SARA304).

Non-hazardous substance

40 CFR § 372.65 Toxic Chemical Release Reporting (SARA 313).

Non-hazardous substance

State Regulations

U.S.- New Jersey - Worker and Community Right to Know Act (N.J.S.A. 34:5A-1)

No components regulated under the New Jersey Worker and Community Right-to-Know Act.

U.S.- Massachusetts - General Law Chapter 111F (MGL c 111F) - Hazardous Substances Disclosure by Employers (a.k.a. Right to Know Law)

No components regulated under the Massachusetts Hazardous Substances Disclosure by Employers Law.

U.S. - California - 8 CCR Section 339 - Director's List of Hazardous Substances

No components found on the California Director's List of Hazardous Substances.

U.S. - California - 8 CCR Section 5200-5220 - Specifically Regulated Carcinogens

No components found on the California Specifically Regulated Carcinogens List.

U.S. - California - 8 CCR Section 5203 Carcinogens

No components found on the California Section 5203 Carcinogens List.

U.S. - California - 8 CCR Section 5209 Carcinogens

No components found on the California Section 5209 Carcinogens List.

California Prop. 65

Not Regulated

National Inventory Status - United States of America

TOXIC SUBSTANCES CONTROL ACT (TSCA)

All the components of this substance are listed on or are exempt from the inventory. For purposes of 40 CFR 720.36 , this product is for Research and Development (R&D) Use Only

**TOXIC SUBSTANCES CONTROL ACT, SECTION 12(B) EXPORT NOTIFICATION
40CFR 707, SUBPART D**

Not Required.

16. OTHER INFORMATION

Disclaimer: This MSDS has been prepared using information from sources considered technically reliable. It should not be relied upon as a product specification. The company makes no warranty of any kind, expressed or implied, concerning the safe use of this material in your process or in combination with other chemical substances. Every user of the product is responsible for evaluating its own processes and conditions of use and selecting appropriate protective measures for employee exposure.

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