

**Section 1. Identification of the substance/mixture and of the company/undertaking**

**1.1. Product identifier**

<b>Product Identity</b>	mPCR Digestion Buffer
<b>Alternate Names</b>	Not Applicable
<b>Unique Formula Identifier</b>	145213

**1.2. Relevant identified uses of the substance or mixture and uses advised against**

<b>Intended Uses and Uses Advised Against</b>	Lab reagents
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**1.3. Details of the supplier of the safety data sheet**

<b>Company Name</b>	Asuragen, Inc. Manufacturer: Asuragen, Inc. 2150 Woodward Street Austin, Texas 78744 +1 512 681 5200 Supplier: European Union Bio-Techne (DRD) 19 Rue Louis Delourmel, 35230 Noyal Châtillon / Seiche, France +33.2.99.35.19.36
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**Customer Service: Asuragen, Inc.**

**1.4. Emergency telephone number**

<b>Emergency</b>	
<b>24 hour Emergency Telephone No.</b>	European Union Bio-Techne (DRD) +33.2.99.35.19.36 (Normal Business Hours)

**Section 2. Hazard identification of the product**

## 2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

No applicable CLP categories.

## 2.2. Label elements

According to REGULATION (EU) 2020/878 amending Regulations EU 2015/830 and (EC) No 1907/2006

No applicable CLP categories.

## 2.3. Other hazards

This product contains no PBT/vPvB/vPvM chemicals.

This product contains no endocrine disrupting chemicals.

## Section 3. Composition/information on ingredients

## 3.2. Mixtures

There are no ingredients in this product which are classified as hazardous, and/or no hazardous ingredients above the GHS cut off percentage.

## Section 4. First aid measures

## 4.1. Description of first aid measures

- General** In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
- Inhalation** Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious, place in the recovery position and obtain immediate medical attention. Give nothing by mouth.
- Eye** Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.
- Skin** Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser.
- Ingestion** If swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

#### **4.2. Most important symptoms and effects, both acute and delayed**

- Overview** No specific symptom data available.  
No chronic toxicity or long term toxicity information available. Treat symptomatically. See section 2 for further details.

#### **Inhalation**

#### **4.3. Indication of any immediate medical attention and special treatment needed**

- Notes to physician** Treat symptomatically.

### **Section 5. Fire-fighting measures**

#### **5.1. Extinguishing media**

Recommended extinguishing media; alcohol resistant foam, CO<sub>2</sub>, powder, water spray.  
Unsuitable extinguishing media: Do not use; water jet.

#### **5.2. Special hazards arising from the substance or mixture**

Hazardous decomposition: No hazardous decomposition data available.

#### **5.3. Advice for fire-fighters**

As with all fires, wear positive pressure, self-contained breathing apparatus, (SCBA) with a full face piece and protective clothing. Persons without respiratory protection should leave area. Wear SCBA during clean-up immediately after fire. No smoking.

## **Section 6. Accidental release measures**

### **6.1. Personal precautions, protective equipment and emergency procedures**

Put on appropriate personal protective equipment (see section 8).

### **6.2. Environmental precautions**

Do not allow spills to enter drains or waterways.

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

### **6.3. Methods and material for containment and cleaning up**

Ventilate the area and avoid breathing vapors. Take the personal protective measures listed in section 8.

Contain and absorb spillage with non-combustible materials e.g. sand, earth, and vermiculite. Place in closed containers outside buildings and dispose of according to the Waste Regulations.

### **6.4 Reference to other sections**

See Section 1 for emergency contact information.

See Section 8 for information on appropriate personal protective equipment.

See Section 13 for additional waste treatment information.

## **Section 7. Handling and storage**

### **7.1. Precautions for safe handling**

Handle containers carefully to prevent damage and spillage.

### **7.2. Conditions for safe storage, including any incompatibilities**

Incompatible materials: No available information

### 7.3. Specific end use(s)

No available information

## Section 8. Exposure controls / personal protection

There are no ingredients in this product which are classified as hazardous, and/or no hazardous ingredients above the GHS cut off percentage.

### 8.2. Exposure controls

<b>Respiratory</b>	If workers are exposed to concentrations above the exposure limit they must use the appropriate, certified respirators.
<b>Eyes</b>	Protective safety glasses recommended
<b>Skin</b>	Avoid skin contact. Protective gloves recommended.
<b>Engineering Controls</b>	Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn.
<b>Other Work Practices</b>	Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

## Section 9. Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

<b>Physical State</b>	Liquid
<b>Color</b>	No available information
<b>Odor</b>	No available information
<b>Odor threshold</b>	No available information
<b>Melting point / freezing point</b>	No available information
<b>Initial boiling point and boiling range</b>	No available information
<b>Flammability (solid, gas)</b>	Not Applicable

**Upper/lower flammability or explosive limits**

**Lower Explosive Limit:**No available information

**Upper Explosive Limit:**No available information

**Flash Point**

°F °C, Test method: (Open/Close cup)

**Auto-ignition temperature**

No available information

**Decomposition temperature**

No available information

**pH**

No available information

**Viscosity (cSt)**

No available information

**Solubility in Water**

No available information

**Partition coefficient n-octanol/water (Log Kow)**

No available information

**Vapor pressure (Pa)**

No available information

**Relative Density**

No available information

**Vapor Density**

No available information

**Evaporation rate (Ether = 1)**

No available information

**Oxidising properties**

No available information

**Explosive properties**

No available information

**9.2. Other information**

No other relevant information.

**Section 10. Stability and reactivity**

**10.1. Reactivity**

Hazardous Polymerization will not occur.

**10.2. Chemical stability**

Stable under normal circumstances.

**10.3. Possibility of hazardous reactions**

No available information

**10.4. Conditions to avoid**

Avoid high temperatures and contact with incompatible material

**10.5. Incompatible materials**

No available information

**10.6. Hazardous decomposition products**

No hazardous decomposition data available.

## Section 11. Toxicological information

### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### Acute toxicity

There are no ingredients in this product which are classified as hazardous, and/or no hazardous ingredients above the GHS cut off percentage.

Classification	Category	Hazard Description
Acute toxicity (oral)	---	---
Acute toxicity (dermal)	---	---
Acute toxicity (inhalation)	---	---
Skin corrosion/irritation	---	---
Serious eye damage/irritation	---	---
Respiratory sensitization	---	---
Skin sensitization	---	---
Germ cell mutagenicity	---	---
Carcinogenicity	---	---
Reproductive toxicity	---	---
STOT-single exposure	---	---
STOT-repeated exposure	---	---
Aspiration hazard	---	---

### 11.2 Information on other hazards

#### 11.2.1. Endocrine disrupting properties

This product contains no endocrine disrupting chemicals.

## Section 12. Ecological information

### 12.1. Toxicity

No additional information provided for this product. See Section 3 for chemical specific data.

#### Aquatic Ecotoxicity

There are no ingredients in this product which are classified as hazardous, and/or no hazardous ingredients above the GHS cut off percentage.

#### 12.2. Persistence and degradability

There is no data available on the preparation itself.

#### 12.3. Bioaccumulative potential

No available information

#### 12.4. Mobility in soil

No available information

#### 12.5. Results of PBT and vPvB assessment

This product contains no PBT/vPvB/vPvM chemicals.

#### 12.6 Endocrine disrupting properties

This product contains no endocrine disrupting chemicals.

#### 12.7. Other adverse effects

No available information

### Section 13. Disposal considerations

#### 13.1. Waste treatment methods

Observe all federal, state and local regulations when disposing of this substance.

### Section 14. Transport information

	ADR/RID	IMO / IMDG (Ocean Transportation)	ICAO/IATA
14.1. UN number	Not Regulated	Not Regulated	Not Regulated
14.2. UN proper shipping name	Not Regulated	Not Regulated	Not Regulated
14.3. Transport hazard class(es)	Class:Not Applicable Sub Class:Not Applicable	Class:Not Applicable Sub Class:Not Applicable	Class:Not Applicable Sub Class:Not Applicable
14.4. Packing group	Not Applicable	Not Applicable	Not Applicable
14.5. Environmental hazards			

IMDG Marine Pollutant: No;

**14.6. Special precautions for user**

No available information

**14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not Applicable

**Section 15. Regulatory information**

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

**EU Legislation**

REGULATIONS (EU) 2023/707, (EU) 2020/878 amending Regulations EU 2015/830 and (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH). REGULATION (EC) 1272/2008 on the classification, labeling and packaging of substances and mixtures (CLP).

**Candidate List of SVHC for Authorisation:** Not Applicable

**Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles:**

Tromethamine (Use restricted. See item 3. (liquid))

**15.2. Chemical Safety Assessment**

No Chemical Safety Assessment has been carried out.

**Section 16. Other information**

**Revision Date**

5/8/2025

**Revision Number**

1

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The full text of the phrases appearing in section 3 is:

Not Applicable

ACGIH - American Conference of Governmental Industrial Hygienists  
ADR - International Carriage of Dangerous Goods by Road (Accord Dangereux Routier)  
CAS - Chemical Abstract Service  
CLP - Classification Labeling and Packaging  
DOT - Department of Transportation  
EC50 - European Commission  
EC50 - Half maximal effective concentration  
ErC50 - The concentration of test substance which results in a 50 percent reduction in growth rate (ErC50) relative to the control within 72hrs exposure.  
GHS - Globally Harmonized System  
IARC - International Agency for Research on Cancer  
IATA - International Civil Aviation Organization  
IC50 - The amount of a substance suspended in the air required to kills 50% of a test animals during a predetermined observation period.  
ICAO - International Civil Aviation Organization  
IMDG - International Maritime Dangerous Goods  
IMO - International Maritime Organization  
LC50 - Is the Lethal Concentration of a substance at which 50% of test animals die.  
LD50 - Is the Lethal Dose at which 50% of the animals will be expected to die.  
NIOSH - National Institute for Occupational Safety and Health  
NTP - National Toxicology Program  
OSHA - Occupational Safety and Health Administration  
PBT - Persistent, Bioaccumulative and Toxic Chemicals  
PEL - Permissible Exposure Limit  
REACH - Registration, Evaluation, Authorization and Restriction of Chemicals  
RID - Regulations concerning the international carriage of dangerous goods by rail)  
STEL - Short Term Exposure Limit  
TWA - Time Weighted Average  
vPvB - Very Persistent and very Bio-accumulative

WGK - Water Hazard Class

**Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]**

No applicable GHS categories. Classification

Justification

Disclaimer: The information presented herein is supplied as a guide to those who handle or use this product. Safe work practices must be employed when working with any materials. It is important that the end user makes a determination regarding the adequacy of the safety procedures employed during the use of this product.

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