



## 6x Nucleic Acid Loading Buffer

Cat. No.	Product	Content
ID1654	6x Nucleic Acid Loading Buffer	10 ml

### 1. Identity of the substance and the manufacturer

#### 1.1. Name of the substances or preparations

6x Nucleic Ad Loading Buffer

#### 1.2. Recommended use of the chemical and restrictions on use

Laboratory research use only.

#### 1.3. Name and address of the manufacturer

NIPPON Genetics EUROPE GmbH  
Mariaweilerstraße 28 a  
52349 Düren  
Germany

#### 1.4. Emergency telephone contact

+49 2421/554960



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## 2. Hazards identification

### 2.1 Classification of Hazards and dangerousness

No relevant classification

### 2.2 Warning article including prevention methods

#### 2.2.1 Category

No information available

#### 2.2.2 Hazards and dangerousness

No information available

#### 2.2.3 Prevention methods

##### 2.2.3.1 Prevention

No information available

##### 2.2.3.2 Action

No information available

##### 2.2.3.3 Store

No information available

##### 2.2.3.4 Discard

No information available

### 2.3 Other hazards and dangerousness (NFPA) not included in classification

#### 2.3.1 Health

No information applicable

#### 2.3.2 Fire

No information applicable

#### 2.3.3 Reactivity

No information applicable



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### 3. Composition/information on ingredients

Material name	Usual name	CAS No.	Amount (%)
No information applicable	-	-	-

This product contains no substances that are considered to be hazardous to health at the product concentration.

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### 4. First-aid measures

#### 4.1 Eye contact

Consult a physician.

Immediately rinse skin and eyes thoroughly with plenty of running water for at least 20 minutes.

#### 4.2 Skin contact

Consult a physician.

Remove contaminated clothes and shoes and isolate contaminated area.

Immediately rinse skin and eyes thoroughly with plenty of running water for at least 20 minutes.

Fire risk when drying contaminated clothes.

#### 4.3 Inhalation

Remove to fresh air.

CPR when there is no breathing.

Provide warm and stability.

#### 4.4 Ingestion

Emergency medical measures.

#### 4.5 Note to physicians

Take protective action according to the material.



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## 5. Firefighting measures

### 5.1 Proper (improper) fire extinguishing agents

Small fire: dry sand, dry chemical, alcohol-resistant foam, water spray, regular foam, CO<sub>2</sub> (suitable extinguishing agent)

Large fires: water spray / mist, regular foam (suitable extinguishing agent)

High pressure water (improper extinguishing agent)

### 5.2 Specific hazards from chemical compounds

No information available

### 5.3 Protective equipment and precautions for fire fighting

No information available

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## 6. Accidental release measures

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

Micro particles can ignite fire or explosion therefore remove all the sources of fire.

Separate combustibles from leaked material.

Stop leak if it is not dangerous.

Do not contact with leaked materials without wearing proper protective equipment.

Give attention to materials and conditions that should be avoided.

### 6.2 Environmental precautions

No information available

### 6.3 Containment and cleaning up

Build a dike and pool water for fire extinguish.

Do not use flammable materials such as sawdust.

Make a ditch to contain large leak.

Pool released material by clean shovel into clean and dry container, tie it and then remove from released area.

After probation clean contaminated area with water.



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## 7. Handling and storage

### 7.1 Precautions for safe handling

Note the substances and conditions to avoid.

Wash thoroughly after handling.

Note the high temperature.

In case of material leakage, reduce the oxygen concentration in the air and cause suffocation in an enclosed space, so be careful not to spill.

Check the oxygen concentration before entering the place because there is a risk of loss of consciousness or death due to oxygen deficiency at high concentration in the air.

Keep this temperature below 20°C because this material evaporates slowly and reaches hazardous concentrations.

Do not spray because it will evaporate faster if sprayed.

### 7.2 Conditions for safe storage

Keep it tightly closed.

Store in a cool, dry place.

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## 8. Exposure controls/personal protection

### 8.1 Exposure standard of chemical compound, biological exposure standard

#### 8.1.1 Domestic regulations

No information available

#### 8.1.2 ACGIH regulation

No information available

#### 8.1.3 Biological release regulation

No information available

### 8.2 Individual protection equipment

#### 8.2.1 Respiratory protection

No information available



## 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance	Liquid, Colorlessness
Odor	Odorless
Odor Threshold	No information available
pH	No information available
Melting point/freezing point	No information available
Early boiling point and range	No information available
Flashing point	No information available
Evaporation rate	No information available
Evaporation rate (solid/liquid)	No information available
Maximum / minimum evaporation or explosion range	- / -
Steam pressure	No information available
Solubility	No information available
Vapor density	No information available
Specific gravity	No information available
n-octanol/ distribution coefficient	No information available
Self-ignition temperature	No information available
Disassemble temperature	No information available
Viscosity	No information available
Molecular weight	No information available
Oxidizing properties	No information available

## 10. Stability and reactivity

### 10.1 Chemical stability and possibility of hazardous reactions

No information available

### 10.2 Situation to avoid

No information available

### 10.3 Materials to avoid

No information available

### 10.4 Harmful material produce by degradation

No information available



## 11. Toxicological information

### 11.1 Information on likely routes of exposure

No information available

### 11.2 Health maleficence information

#### 11.2.1 Acute poison

##### 11.2.1.1 Oral

No information available

##### 11.2.1.2 Ingestion

No information available

##### 11.2.1.3 Inhalation

No information available

#### 11.2.2 Skin corrosion or irritant agent

No information available

#### 11.2.3 Serious eye damage or irritation

No information available

#### 11.2.4 Respiratory organ hypersensitiveness

No information available

#### 11.2.5 Skin hypersensitiveness

No information available

### 11.3 Carcinogenic

#### 11.3.1 Occupational safety and health acts

No information available

#### 11.3.2 Employment announcement

No information available

#### 11.3.3 IARC

No information available

#### 11.3.4 OSHA

No information available



#### **11.3.5 ACGIH**

No information available

#### **11.3.6 NTP**

No information available

#### **11.3.7 EU CLP**

No information available

### **11.4 Germ cell mutagenicity**

No information available

### **11.5 Reproduction toxicity test**

No information available

### **11.6 Special target poison (1 time exposurer)**

No information available

### **11.7 Special target poison (long exposurer)**

No information available

### **11.8 Absorption injurious**

No information available

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## **12. Ecological information**

### **12.1 Ecotoxicity**

#### **12.1.1 Fish**

No information available

#### **12.1.2 Crustacean**

No information available

#### **12.1.3 Algae**

No information available

### **12.2 Residual fungicide and resolvability**

#### **12.2.1 Residual fungicide**

No information available





#### **12.2.2 Resolvability**

No information available

### **12.3 Life enrichment**

#### **12.3.1 Enrichment**

No information available

#### **12.3.2 Biodegradability**

No information available

### **12.4 Soil**

No information available

### **12.5 Other harmful influences**

No information available

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## **13. Disposal considerations**

### **13.1 Waste treatment method**

Dispose container and content according to the waster control act.

### **13.2 Disposal considerations**

Dispose container and content according to the waster control act.

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## **14. Transport information**

### **14.1 IATA**

#### **14.1.1 Propriety shipping name**

No dangerous good in sense of these transport regulations

#### **14.1.2 Hazard class**

No information available

#### **14.1.3 Subsidiary class**

No information available



#### **14.1.4 Packing group**

No information available

#### **14.1.5 UN-No**

No information available

#### **14.1.6 Environmental hazards**

No information available

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## **15. Regulatory information**

### **15.1 Regulations of occupational safety and health act**

No information available

### **15.2 Regulations of toxic chemicals regulation act**

No information available

### **15.3 Regulations of safety control of dangerous substances act**

No information available

### **15.4 Regulations of waste control act**

No information available

### **15.5 Regulations of other domestic and international act**

#### **15.5.1 Domestic act**

##### **15.5.1.1 Persistent organic pollutants control act**

No information available

#### **15.5.2 Foreign act**

##### **15.5.2.1 American supervision information**

No information applicable

##### **15.5.2.2 CERCLA**

No information applicable

##### **15.5.2.3 EPCRA 302**

No information applicable

**15.5.2.4 EPCRA 304**

No information applicable

**15.5.2.5 EPCRA 313**

No information applicable

**15.5.3 American supervision information (Rotterdam agreement material)**

No information applicable

**15.5.4 American supervision information (Stockholm agreement material)**

No information applicable

**15.5.5 American supervision information (Montreal protocol material)**

No information applicable

**15.5.6 EU Classification information (Confirmed classification results)**

No information applicable

**15.5.7 EU Classification information (Danger expression)**

No information applicable

**15.5.8 EU Classification information (Safety expression)**

No information applicable

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## 16. Other information

This information is based on our present knowledge. Its objective is to describe the product from the point of view of safety, and no warranty is made other than its characteristics. This information does not absolve the user in any circumstances from observing other Legislative, Regulatory and Administrative requirements applying to the product, and to safety, hygiene and the well-being of the people in the workplace.



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