



## 10x Running Buffer Tris-Glycine-SDS

Cat. No.	Product	Content
ID1501	10x Running Buffer Tris-Glycine-SDS	500 ml

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

#### 1.1. Name of the substance or preparation

10X Tris-Glycine/SDS

#### 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 28-30, Düren, 52349  
Germany

#### 1.4. Emergency telephone contact

+49 24212084690

### 2. Hazards

#### 2.1. Classification of Hazards and dangerousness

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#### 2.2. Warning article including prevention methods

##### 2.2.1. Category

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##### 2.2.2. Hazards and dangerousness

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#### 2.3. Prevention methods

##### 2.3.1. Prevention

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##### 2.3.2. Action

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### 2.3.3. Store

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### 2.3.4. Discrad

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

### 2.4.1. Health

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### 2.4.2. Fire

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### 2.4.3. Reactivity

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## 3. First aid

### 3.1. Eye contact

Consult a physician

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

### 3.2. 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.

### 3.2. Inhalation

Fire risk when drying contaminated clothes.

Remove to fresh air.

CPR when there is no breathing.

Provide Oxygen when breathing is difficult.

Provide warm and stability

### 3.3. Ingestion

Emergency medical measures.

### 3.4. Note to physicians

Take protective action according to the material.



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## 4. In case of fire

### 4.1. Proper (improper) fire extinguishing agents

- Small fire: dry sand, dry chemical, alcohol-resistant foam, water spray, regular foam, CO2 (suitable extinguishing agent).
- Large fires: water spray / mist, regular foam (suitable extinguishing agent).
- High-pressure water (improper extinguishing agent).

### 4.2. Specific hazards from chemical compounds

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### 4.3. Protective equipment and precautions for fire fighting

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## 5. In case of spillage

### 5.1. Personal precautions, protective equipment and emergency procedures

- Microparticles 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.

### 5.2. Environmental precautions

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### 5.3. Containment and cleaning up

- Build a dike and pool water for fire extinguishing.
- 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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## 6. Handling and storage

### 6.1. 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 or death due to oxygen deficiency at high concentrations in the air.
- Keep this temperature below 20° because this material evaporates slowly and reaches hazardous concentrations.
- Do not spray because it will evaporate faster if sprayed.

### 6.2. Conditions for safe storage

- Keep it tightly closed.
- Store in a cool, dry place.

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## 7. Exposure controls/personal protection

### 7.1. Exposure standard of chemical compound, biological exposure standard

#### 7.1.1. Domestic regulations

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#### 7.1.2. ACGIH regulation

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#### 7.1.3. Biological release regulation

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### 7.2. Individual protection equipment

#### 7.2.1. Respiratory protection

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## 8. Physical and chemical properties

Appearance	
State	Liquid
Color	Colorlessness
Odour	Odorless
Odour threshold	-----
pH	-----
Melting point/freezing point	-----
Early boiling point and range	-----
Flashing point	-----
Evaporation rate	-----
Evaporation rate (solid/liquid)	-----
Maximum/minimum evaporation or explosion range	-----
Steam pressure	-----
Solubility	-----
Vapour density	-----
Specific gravity	-----
n-octanol/ distribution coefficient	-----
Self-ignition temperature	-----
Disassemble temperature	-----
Viscosity	-----
Molecular weight	-----

## 9. Stability and reactivity

### 9.1. Chemical stability and possibility of hazardous reactions

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### 9.2. Situation to avoid

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### 9.3. Materials to avoid

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## 9.4. Harmful material produce by degradation

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## 10. Toxicological information

Information on likely routes of exposure	-----
<b>Health maleficence information</b>	
<b>Acute poison</b>	
Oral	-----
Ingestion	-----
Inhalation	-----
Skin corrosion or irritant agent	-----
Serious eye damage or irritation	-----
Respiratory organ hypersensitiveness	-----
Skin hypersensitiveness	-----
<b>Carcinogenic</b>	
Occupational safety and health acts	-----
Employment announcement	-----
IARC	-----
OSHA	-----
ACGIH	-----
NTP	-----
EU CLP	-----
Germ cell mutagenicity	-----
Reproduction toxicity test	-----
Special target poison (1 time exposer)	-----
Special target poison (long exposer)	-----
Absorption injurious	-----
Molecular weight	-----



## 11. Ecological information

<b>Ecotoxicity</b>	
Fish	-----
Crustacean	-----
Algae	-----
<b>Residual fungicide and resolvability</b>	
Residual fungicide	-----
Resolvability	-----
<b>Life enrichment</b>	
Enrichment	-----
Biodegradability	-----
Soil	-----
Other harmful influences	-----

## 12. Disposal considerations

### 12.1. Waste treatment method

Dispose container and content according to the waster control act.

### 12.2. Disposal considerations

Dispose container and content according to the waster control act.

## 13. Transport information

### 13.1. IATA

#### 13.1.1. Propriety shipping name

No dangerous good in sense of these transport regulations.

#### 13.1.2. Hazard class

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#### 13.1.2. Subsidiary class

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### 13.1.3. Packing group

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### 13.1.4. UN-No

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### 13.1.5. Environmental hazards

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## 14. Regulatory information

### 14.1. Regulations of occupational safety and health act

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### 14.2. Regulations of toxic chemicals regulation act

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### 14.3. Regulations of safety control of dangerous substances act

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### 14.4. Regulations of waste control act

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### 14.5. Regulations of other domestic and international act

#### 14.5.1. Domestic act

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##### 14.5.1.1. Persistent organic pollutants control act

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#### 14.5.2. Foreign act

##### 14.5.2.1. American supervision information

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##### 14.5.2.2. CERCLA

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#### 14.5.2.3. EPCRA 302

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#### 14.5.2.4. EPCRA 304

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#### 14.5.2.5. EPCRA 313

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#### 14.5.3. American supervision information (Rotterdam agreement material)

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#### 14.5.4. American supervision information (Stockholm agreement material)

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#### 14.5.5. American supervision information (Montreal protocol material)

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#### 14.5.6. EU Classification information (Confirmed classification results)

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#### 14.5.7. EU Classification information (Danger expression)

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#### 14.5.8. EU Classification information (Safety expression)

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## 15. Other information

### Source of material

- IUCLID (oral)
- SIDS (oral)
- SIDS (skin corrosive or irritant)
- SIDS (severe eye damage or irritation)
- NLM (Germ Cell Mutagenesis)
- IUCLID (specific target organ toxicity (repeated exposure))
- OECD SIDS (fish)
- EU IUCLID (Crustaceans)
- OECD SIDS (Crustaceans)
- US EPA ECOTOX (Crustaceans)
- ECOSAR (agar)
- OECD SIDS (Enrichment)
- IUCLDE (biodegradable)
- OECD SIDS (biodegradable)
- OECD TG 301C (biodegradable)
- OECD TG 301D (biodegradable)



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.

**NIPPON GENETICS EUROPE GmbH**

Mariaweilerstraße 28-30, 52349 Düren

Amtsgericht Düren HRB 4672,

Bank data UFJ bank Limited: Identification code: 30130700

Account number: 610762

Managing Director: Dr. Jürgen Lünzer, Tatsuji Hata, Kazuo Yamazaki

Value Tax ID: DE 239977252