



FestGene® MOPS Buffer Pouches

Cat. No.	Product	Content
PG-MOPS10	FastGene® MOPS Buffer Pouches	10 pouches

1. Identity of the substance and the manufacturer

1.1. Name of the substances or preparations

FastGene® MOPS Buffer Pouches

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

2. Hazards identification According to OSHA 29 CFR 1910.1200 HCS

2.1. Emergency Overview

Power for an aqueous solution. Toxicological properties of components have not been fully investigated.

2.2. Health Effects

Not classified

2.3. Inhalation

Not known to present an inhalation hazard under normal use.

2.4. Skin

Causes skin irritation.

2.5. Eyes

Causes serious eye irritation.



2.6. Ingestion

May be harmful if swallowed.

2.7. Chronic Effects/Target Organ Effects

None known

2.8. Medical Conditions Aggravated By Exposure

None known

2.9. Environmental Effects

None known

3. Composition/information about the components

3.1. Substance/mixture

Powder with components listed below

Chemical	CAS No.	EINECS No.	Weight %
SDS	151-21-3	205-788-1	5.6
Tris	77-86-1	201-064-4	34
EDTA	60-00-4	200-449-4	1.7
MOPS	1132-61-2	214-478-5	58.7

The product contains no substances which at their given concentration, are considered to be hazardous to health.

4. First-aid measures

4.1. Inhalation

Not expected to be an inhalation hazard under anticipated conditions of normal use of this material. Consult a physician if necessary.

4.2. Skin contact

Rinse cautiously with water for several minutes. Immediate medical attention is not required.

4.3. Eye contact



Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician.



4.4. Ingestion

Not expected to present a significant ingestion hazard under anticipated conditions of normal use. If you feel unwell, seek medical advice.

5. In case of fire

5.1. Suitable extinguishing agents



Water spray. Carbon dioxide (CO₂). Foam. Dry chemical.

5.2. Special Exposure Hazards

Not known

5.3. Special Protective Equipment

Standard procedure for chemical fires.

6. In case of spillage

6.1. Personal precautions and protective equipment

Always wear recommended Personal Protective Equipment. Use personal protection equipment.

6.2. Emergency Procedures

Soak up with inert absorbent material.

6.3. Environmental precautions

No special environmental precautions required.

6.4. Reference to other sections

Refer to section 8 – personal protection and section 13 – information on disposal.

7. Handling and storage

7.1. Safe handling

Always wear recommended Personal Protective Equipment. No special handling advices are necessary.



7.2. Safe storage

Keep in a dry, cool and well-ventilated place.

7.3. Specific end uses

For R&D/experimental use only; Electrophoresis precast gels.

8. Exposure controls/personal protection

8.1. Respiratory protection



Respiratory protection not required in normal conditions.

8.2. Skin/Hand protection



Wear protective gloves.

8.3. Eye/Face protection



Chemical goggles or safety glasses.

8.4. Limitation of the environmental exposure

Avoid leaks and spills.

8.5. Exposure Controls

Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure.



9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Powder
Colour	White
pH (at 20°C)	not available
Melting point / range	not available
Boiling point / range	not available
Flash point	not available
Density	not available
Solubility	not available
Viscosity	not available
Partition coefficient	not available

9.2. Other information

Not relevant.

10. Stability and reactivity

10.1. Stability

Stable under normal conditions.

10.2. Conditions To Avoid

Direct sunlight. Extremely high or low temperatures.

10.3. Materials To Avoid

No dangerous reaction known under conditions of normal use.

10.4. Hazardous Decomposition Products

Hazardous reaction has not been reported.

11. Toxicological information

No toxicology information is available.



12. Ecological information

12.1. Ecotoxicity

The environmental impact of this product has not been fully investigated.

12.2. Mobility

No information available.

12.3. Biodegradation

Inherently biodegradable.

12.4. Bioaccumulation

Material does not bioaccumulate.

13. Disposal considerations

13.1. Product waste

Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

13.2. Packaging waste

Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

14. Transport information

Not known to be hazardous for transport.

15. Regulatory information

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

15.1.1. US Regulations

- This product meets the following SARA 311/312 hazard categories: none.
- This product contains the following SARA 302 Extremely Hazardous Substances: none.
- This product contains the following SARA 313 Toxic Chemicals: none.
- This product contains the following CERCLA Hazardous Substances: none.
- The components of this product are listed on TSCA.



15.1.2. EU Regulations

This product does not meet the classification and labeling criteria under 1999/45/EC as a dangerous preparation. The components of this product are listed on the European Inventory of Existing Chemical Substances (EINECS) or meet the polymer exemption.

15.1.3. Canadian Regulations

This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and it contains the information required by the CPR.

This product meets WHMIS classification D2B.

Components of this product are listed on the DSL.

16. Other information

This information is only intended to describe the safety requirements of the product and is based on the present state of our knowledge. They do not constitute a guarantee for the characteristics of the product described in the sense of the statutory warranty regulations. Please refer to the respective product data sheets for the delivery properties. If the product mentioned in this Material Safety Data Sheet is blended, mixed or processed with other materials, the data in this Material Safety Data Sheet may not be transferred to the new material, unless otherwise specified. The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. The company shall not be held liable for any damage resulting from handling or from contact with the above product.



NIPPON GENETICS EUROPE GmbH

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Amtsgericht Düren HRB 4672,

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Account number: 610762

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