



BlueEasy Prestained Protein Marker

Cat. No.	Product	Content
MWP06	BlueEasy Prestained Protein Marker	0.5 mL

1. Identity of the substance and the manufacturer

1.1. Name of the substances or preparations

BlueEasy Prestained Protein Marker

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

2.1. Classification of the substance or mixture

2.1.1. Classification according to Directive 67/548/EEC or Directive 1999/45/EC

Not applicable.

2.1.2. Information concerning particular hazards for human and environment

The product does not have to be labeled due to the calculation procedure of international guidelines.



2.1.3. Classification system

The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.

2.2. Labelling elements

2.2.1. Labelling according to the to the EU guidelines

Observe the general safety regulations when handling chemicals. The product is not subjected to identification regulations according to directives on hazardous materials.

2.2.2. Classification system

NFPA ratings (scale 0 - 4)



HMIS-ratings (scale 0 - 4)



2.3. Other hazards

PBT - not applicable

vPvB - not applicable

3. Composition/information about the components

3.1. Substances

Not relevant.

3.1. Mixtures

2.1.3. Chemical characterization

Solution, consisting of the following components.



Chemical	EC No.	CAS No.	Content	Classification
Glycerol	200-289-5	56-81-5	33%	no relevance
Sodium Dodecyl Sulfate (SDS)	205-788-1	151-21-3	2%	no relevance
Tris-Phosphate	230-260-2	6992-39-8	62.5mM	no relevance
Dithiothreitol (DTT)	248-531-9	3483-12-3	10mM	no relevance
EDTA	200-449-4	60-00-4	1mM	no relevance
NaN ₃	247-852-1	26628-22-8	1mM	no relevance

Components not listed here are not hazardous or their concentration do not exceed the limits specified in the OSHA Hazard Communication Standard 29 CFR 1910.1200.

4. First-aid measures

4.1. General information



No special measures required.

4.2. Description of necessary first-aid measures

4.2.1. Inhalation

Supply fresh air; consult doctor in case of complaints.

4.2.2. Skin contact

Generally, the product does not irritate the skin.

4.2.3. Eye contact



Rinse opened eye for several minutes under running water.

4.2.4. Ingestion

Don't induce vomiting. Let rinse the mouth, let spit of the liquid and let drink copious amounts of water. If symptoms persist consult doctor.



4.3. Most important symptoms and effects, both acute and delayed

No further relevant information available.

4.4. Indication of any immediate medical attention and special treatment needed

No further relevant information available.

5. In case of fire

5.1. Suitable extinguishing agents



Use fire fighting measures that suit the environment.

5.2. Not suitable extinguishing agents

No information available.

5.3. Special hazards arising from the substance or mixture



No further information available.

5.4. Advice for fire fighters



Protective equipment: no special measures required.



6. In case of spillage

6.1. Personal precautions, protective equipment and emergency procedures

Not required.

6.2. Environmental precautions

Do not allow to enter sewers/ surface or ground water.

6.3. Methods and materials for containment and cleanup

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

6.4. Reference to other sections

No dangerous substances are released.

See section 7 for information on safe handling.

See section 8 for information on personal protection equipment.

See section 13 for disposal information.

7. Handling and storage

7.1. Safe handling

7.1.1. Information on safe use

No special measures required.

7.1.2. Information on fire and explosion protection

No special measures required.

7.2. Safe storage

7.2.1. Requirements to be met by storerooms and receptacles

No special requirements.

7.2.2. Information about storage in one common storage facility

Not required.



7.2.3. Further information to the storage conditions

None.

7.3. Specific end uses

None.

8. Exposure controls/personal protection

8.1. Control parameters

8.1.1. Components with limit values that require monitoring at the workplace

Chemical	EC No.	CAS No.	PEL	TLV
Glycerol	200-289-5	56-81-5	15* 5** mg/m ³ *total dust **respirable fraction	10* ppm *Mist

8.1.2. Additional information

The list that was valid during the creation was used as basis.

8.2. Exposure controls

8.2.1. Personal protection

8.2.1.1. Personal protection

The usual precautionary measures for handling chemicals should be followed.

8.2.1.2. Respiratory protection



Not required.



8.2.1.3. Hand protection



The glove material has to be impermeable and resistant to the product/ the substance/the preparation.

Material of gloves: the selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

8.2.1.4. Eye protection



Goggles recommended during refilling.

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Colorless
Odour	Odourless
Odour threshold	Not determined
pH	Not determined
Melting point/freezing point	Undetermined
Boiling point/boiling range	Undetermined
Flash point	>100°C (>212°F)
Flammability (solid, gas)	Not applicable.
Decomposition temperature	Not determined
Auto-ignition temperature	Product is not selfignition
Explosive properties	Product does not present and explosion hazard
Lower explosion limits	Not determined
Upper explosion limits	Not determined
Vapour pressure	Not determined
Density	Not determined



Relative density	Not determined
Evaporation rate	Not determined
Solubility in / Miscibility with water	Not miscible or difficult to mix
Partition coefficient: n-octanol/water	Not determined
Dynamic viscosity	Not determined
Kinematic viscosity	Not determined

9.2. Other information

No further relevant information available.

10. Stability and reactivity

10.1. Reactivity

No further relevant information available.

10.2. Chemical stability

No further relevant information available.

10.3. Thermal decomposition / conditions to be avoided

No decomposition if used according to specifications.

10.4. Possibility of hazardous reactions

No dangerous reactions known.

10.5. Incompatible materials

No further relevant information available.

10.6. Hazardous decomposition products

No dangerous decomposition products known.



11. Toxicological information

11.1. Information on toxicological effects

11.1.1. Acute toxicity

Primary irritant effect:

Skin	no irritant effect
Eye	no irritant effect

11.1.2. Sensitizing effects

No sensitizing effects known.

11.1.3. Additional toxicological information

The product is not subject to classification according to internally approved calculation methods for preparations.

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

Carcinogenic categories

IARC (International Agency for Research on Cancer)	none of the ingredients is listed
NTP (National Toxicology Program)	none of the ingredients is listed
OSHA-Ca (Occupational Safety & Health Administration)	none of the ingredients is listed

12. Ecological information

12.1. Toxicity

12.1.1. Aquatic toxicity

No further relevant information available.

12.2. Persistence and degradability

No further relevant information available.



12.3. Bioaccumulative potential

No further relevant information available.

12.4. Mobility in soil

No further relevant information available.

12.5. Water hazard class

1 (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

12.6. Results of the PBT and vPvB assessment

PBT	not applicable
vPvB	not applicable

12.7. Other adverse effects

No further relevant information available.

13. Disposal considerations

13.1. Waste treatment methods

Recommendation: smaller quantities can be disposed of with household waste.

13.2. Uncleaned packagings

Recommendation: disposal must be made according to official regulations.

14. Transport information

UN-Number DOT, ADR, ADN, IMDG, IATA	Void
UN proper shipping name DOT, ADR, ADN, IMDG, IATA	Void



Transport hazard class(es) DOT, ADR, ADN, IMDG, IATA	Void
Packing group DOT, ADR, IMDG, IATA	Void
Environmental hazards • Marine pollutant:	No
Special precautions for user	Not applicable
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable

15. Regulatory information

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

- Sara Section 355 (extremely hazardous substances): none of the ingredients is listed.
- Section 313 (specific toxic chemical listings): none of the ingredients is listed.
- SCA (toxic Substances Control Act):

56-81-5 glycerol

151-21-3 sodium deodecyl sulphate

7732-18-5 water Proposition 65

- Chemicals known to cause cancer: none of the ingredients is listed.
- Chemicals known to cause reproductive toxicity for females: none of the ingredients is listed.
- Chemicals known to cause reproductive toxicity for males: none of the ingredients is listed.
- Chemicals known to cause development toxicity: none of the ingredients is listed.

15.2. Cancerogenity categories

EPA (Environmental Protection Agency)	none of the ingredients is listed
TLV (Threshold Limit Value established by ACGIH)	none of the ingredients is listed
NIOSH-Ca (National Institute for Occupational Safety and Health)	none of the ingredients is listed

15.3. Product related hazard information

Observe the general safety regulations when handling chemicals.



The product is not subject to identification regulations according to directives on hazardous materials.

Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

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.



NIPPON GENETICS EUROPE GmbH

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