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FastGene® Block & Go

Safety Data Sheet according to Annex II of the Regulation (EC) No. 1907/2006 (REACH), amended by the Regulation (EU) 2015/830

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

1.1 Product identifier

Name: FastGene® Block & Go
Cat. No.: FG-CH05
EC Substance name: not available
CAS Number: not available
EC Number: not available
REACH Reference Number: not available

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

Identified uses: Blocking solution for Western Blot. For laboratory use
Uses advised against: Unknown.

1.3 Details of the supplier of the safety data sheet

Supplier: NIPPON GENETICS EUROPE GmbH
Mariaweilerstraße 28-30
D- 52349 Düren, Germany
Phone.: +49 (0) 2421 / 554960
Fax: +49 (0) 2421 / 5549611
E-Mail: info@nippongenetics.de
Internet: www.nippongenetics.eu

Information on further details at: Technical Support
Phone: +49 (0) 2421 / 554960
Fax: +49 (0) 2421 / 5549611
E-Mail: sdb@nippongenetics.de

1.4 Emergency telephone no:

Emergency information: Phone: +49 (0) 2421 / 554960
Within the business hours: Monday to Friday, 8 a.m. to 5 p.m.

2. Hazards identification

2.1 Classification of the substance or mixture

This product is exempt from hazard classification according to OSHA Hazard communication Standard, 29 CFR 1910.1200

2.2 Labelling elements

Labelling according to the Regulation (EC) No. 1272/2008 (CLP);

Substance on the label: no specific substances inside
Pictograms: none
Signal word: none
H statements: none
P statements: none

2.3 Other hazards:

On PBT or vPvB properties of the product or its ingredients according to the criteria of REACH Annex XIII no information is available.

Physical-chemical hazardous effects are unknown. On complains and symptoms as well as to harmful effects no data are available.

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3. Composition / information on ingredients:

3.1 **Substances:** not relevant

3.2 **Mixtures:**

Chemical characterization:

Aqueous solution.

Chemical name	CAS No.	Content
Water	7732-18-5	>50%
Anionic Surfactant	unknown	0.15-5%
Mineral Acid	unknown	01.-5%

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

4. First aid measures

4.1 **Description of the first aid measures:**

4.1.1 **General information:**

No specific information needed.

4.1.2 **Inhalation:**

Move to fresh air. If symptoms persist, call a physician.

4.1.3 **Skin contact:**

Wash off immediately with plenty of water. If symptoms persist, call a physician.

4.1.4 **Eyes contact:**

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

4.1.5 **Ingestion:**

Never give anything by mouth to an unconscious person. Consult a physician.

4.2 **Most important symptoms and effects, both acute and delayed:**

Not relevant

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

Decontamination, symptomatic treatment. No specific antidote known.

5. Firefighting measures

5.1 **Extinguishing media**

Suitable extinguishing media:



The product is not combustible, adapt the measures to the environment: water spray, carbon dioxide, extinguishing foam and dry extinguishing agent.

Not suitable extinguishing media for safety reasons:

Water jet

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6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Use personal protective equipment.

6.2 Environmental precautions:

Not applicable.

6.3 Methods and material for containment and cleaning up:

Soak up with inert absorbent material.

7. Handling and storage

7.1 Precautions for safe handling:

Wash thoroughly after handling. Wash hands before eating. Keep container tightly closed. Use with adequate ventilation.

7.2 Conditions for safe storage considering incompatibilities:

Keep container closed when not used. Store at RT.

7.3 Specific end uses:

none

8. Exposure controls / personal protection

8.1 Control parameters:

8.1.1 Occupational exposure limits:

not available

8.1.2 Biological exposure limits:

not available

8.1.3 DNEL and PNEC values:

not available

8.2 Exposure controls:

8.2.1 Personal protection:

Respiratory protection:



No respiratory protection is necessary when working with the small quantities intended for the product. In case of exceptional operating conditions, working with larger quantities and with the risk of aerosol formation use suitable respiratory protection, e.g. half-masks according to EN 140 with filters according to EN 143-P1. Observe wearing time limit.

Hand protection:



At the risk of skin contact with the product, ensure adequate protection by wearing suitable protective gloves, e.g. according to EN 374. Before use, test protective gloves for suitability under the specific working conditions (e.g., mechanical resistance, product compatibility and antistatic properties). Observe the instruction and information on the use, storage, maintenance and replacement of protective gloves. Damaged and worn protective gloves should be replaced immediately. According to the Safety Test Report, gloves made of latex (ECO Latex PF250) and nitrile (Orange Nitril 260) are not penetrated under the conditions of the Midori glove penetration test.

Eye protection:



Eye protection goggles with side protection (EN 166).

Skin protection



Use clothing usual in the chemical industry. Skin protection agents are not as effective as protective gloves, so they should be preferred as much as possible. If no protective gloves can be worn, apply water-insoluble skin protection preparations to the clean skin before starting work and after every break. Before breaks and at the end of work, skin cleansing with soap and water is required. After cleansing, use a greasy skin care product.

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Body protection:



Special body protection generally not required, normal work clothes adequate.

General protection and hygiene measure:



Do not eat, drink or smoke during working hours. Keep away from food and drink. Avoid contact with eyes and skin. Remove contaminated and soaked clothing immediately. Wash hands before breaks and after work.

8.2.2 Limitation of the environmental exposure:

Avoid leaks and spills.

8.2.3 Limitation of the consumer's exposure:

Avoid inhalation of vapors, mists or gases, remove sources of ignition.

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9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

9.1.1 Appearance:

Physical status: liquid
Color, Odor: Colorless, Odorless

9.1.2 Fundamental data relevant for security:

Parameter	Remarks
Melting point/range	n.a
Boiling point/range	100°C
Flash point	n.a
Autoignition temperature	Do not autoignition
Oxidation properties	13.2 at 20°C
Water solubility at 20 °C	moderate

n.a.: not applicable

9.2 Other information: not relevant

10. Stability and Reactivity

The material is considered to be non-reactive under normal use conditions.

10.1 Materials to avoid:

Metals

10.2 Hazardous decomposition products:

No information available

10.3 Hazardous polymerization

Hazardous polymerization does not occur

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11. Toxicological information

11.1 Information on toxicological effects:

11.1.1 Toxicocinetics, metabolism and distribution:

No data available.

11.1.2 Acute toxicity:

No irritant effect.

11.1.3 Corrosive and irritation effects:

No data available.

11.1.4 Sensitizing effects:

No data available.

11.1.5 Subacute and chronic toxicity:

No data available.

11.1.6 Carcinogenicity, mutagenicity and reproduction toxicity:

On carcinogenicity, mutagenicity and reproduction toxicity of the product no data are available.

11.1.7 Experience from practise:

No data available.

11.1.8 General remarks:

When handled appropriate and used as intended, the product does not cause harmful effects according to our experience and current information. May cause irritation of eyes and skin with susceptible persons. Harmful if swallowed.

12. Ecological information

This article is expected to present a low environmental risk either because use and disposal are unlikely to result in a significant release of components to the environment or because these components that may be release are expected to have insignificant environmental impact.

13. Disposal considerations

Dispose of contents/container in accordance with the local/regional/national/international regulations.

14. Transport information

There are no transport specific regulations

15. Regulatory information

This product is an article as defined by TSCA regulations, and is exempt from TSCA Inventory requirements.

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16. Other information

16.1 NFPA Hazard Classification

Health: 0 Flammability: 0 Instability: 0 Special Hazards: None

16.2 Amended information and reason for amendment:

Prior version:	Version number	----	Date:	----
Actual version:	Versionsnummer	1.0	Datum:	05.07.2022
Kind of amendment:	New creation			
Reason for amendment:				

16.3 Remarks:

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.

END OF MSDS