



SAFETY DATA SHEET

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II - Europe

Rev A1: 11/08/2023

SECTION 1: Identification of the Substance and Company/Undertaking

1.1 Product Identifier

Product name: egSEQ Eco Universal Blocking Oligo (for Illumina)
Cat. No. EG1305S
Specification 16 rxn
Component Cat. No. EG130501S egSEQ Eco Universal Blocking Oligo (for Illumina)

1.2 Relevant identified uses of the substance and uses advised against

Identified Uses: Analytical reagent
Restricted Uses: For research use only. Not available for diagnostic procedures.

1.3 Details of the supplier of the Safety data Sheet

Address: Edinburgh Genetics Limited
Pentlands Science Park,
Penicuik, United Kingdom
EH26 OPZ
Telephone Number: +44 1312616686
Email Address: info@eggenetics.com

1.4 Emergency Telephone: +44 1312616686

SECTION 2: Hazards Identification

2.1 Classification of the mixture

2.1.1 Emergency Overview Colourless, Liquid. No known significant effects or critical hazards.

2.1.2 Classification according to Regulation (EC) No 1272/2008 (including amendments): Not classified

2.1.3 GHS Hazard Category: Not classified

2.2 Label elements:

Hazard Pictograms No pictogram

Signal word: No signal word

Hazard statements: No known significant effects or critical hazards.

Precautionary statements: N/A

Prevention: N/A

Disposal: N/A

Storage: N/A

2.3 Other Hazards: N/A

2.4 Additional Information: The product is not classified as hazardous according to EC and National Regulations.

SECTION 3: Composition / Information on Ingredients

3.1 Substances Mixture

3.2 Composition No ingredients harmful to health or environment.

SECTION 4: First-Aid Measures

4.1 Description of First Aid Measures

Ingestion: Wash mouth with water. Move exposed person to fresh air. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If vomiting occurs, keep the head down to avoid vomit entering the lungs. Get medical attention if adverse health effects persist or are severe.

Skin contact: Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention if adverse health effects persist or are severe. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Eye contact: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.

Inhalation: Move exposed person to fresh air. Get medical attention if adverse health effects persist or are severe.

First Aider Protection: None specific

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

Potential acute health effects: No known significant effects or critical hazards.

Over-exposure signs/symptoms: No specific data.

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

Specific Treatments None Specific

Notes to Physician Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

No action shall be taken involving any personal risk or without suitable training.

SECTION 5: Fire-Fighting Measures

5.1 **Extinguishing media (small and large fires)**

Small Fire: Use an extinguishing agent suitable for the surrounding fire.

Large Fire: Use an extinguishing agent suitable for the surrounding fire.

5.2.1 **Specific Hazards:** In a fire or if heated, a pressure increase will occur and the container may burst

5.2.2 **Protective equipment and advice for fire fighters:** Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

SECTION 6: Accidental Release Measures

6.1 **Personal precautions, protective equipment and emergency measures**

6.1.1 **For non-emergency personnel:**

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see Section 8).

6.1.2 **For emergency responders:**

If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment (see Section 8).

- 6.2 **Environmental Precautions:**
Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
- 6.3 **Methods and materials for containment and cleaning up:**
Stop leak if without risk. Move containers from spill area. Dilute with water and mop up. Dispose of via a licensed waste disposal contractor.

SECTION 7: Handling and Storage

- 7.1 **Precautions for safe handling**
Protective measures: Put on appropriate personal protective equipment (see Section 8).
- 7.2 **Conditions for safe storage, including any incompatibilities:**
Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.
- 7.3 **Specific end use(s) recommendations:**
Industrial applications, Professional applications.

SECTION 8: Exposure Controls/Personal Protection

- 8.1 **Control Parameters**
Occupational exposure limits: N/A

8.2 **Exposure controls**

Appropriate engineering controls:	If user operations generate dust, fumes, gas, vapour or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.
Respiratory protection:	Wear medical protective mask.
Hand protection:	Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products.
Eye protection:	If contact is possible, the following protection should be worn: chemical splash goggles and/or face shield.
Skin protection:	Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Generally, it is recommended to wear a white coat, disposable head cover and disposable shoe cover for protection.
Environmental exposure controls:	Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

SECTION 9: Physical and Chemical Properties

Information on basic physical and chemical properties

Physical State:	Liquid
Colour:	Colourless
Odour:	Odourless
Odour threshold:	N/A
pH:	N/A
Melting/Freezing point:	N/A
Initial boiling point and boiling range:	N/A
Flash point:	N/A
Evaporation rate:	N/A
Flammability:	N/A
Upper/lower flammability or explosive limits:	N/A
Vapour pressure:	The main component of the reagent is water. At 20 °C, the steam pressure of water is 3.2 kPa. At 50 °C, the vapor pressure of water is 12.3 kPa.
Vapour density	N/A
Relative vapour density (air=1):	N/A

Solubility:	Soluble in water
Partition coefficient (n-octanol/water):	N/A
Auto-ignition temperature:	N/A
Decomposition temperature:	N/A
Viscosity:	N/A

SECTION 10: Stability and Reactivity

10.1	Reactivity:	The product is stable
	Chemical stability:	The product is stable
	Possibility of hazardous reactions:	Under normal conditions of storage and use, hazardous reactions will not occur.
	Conditions to Avoid:	No specific data
	Incompatible materials:	No specific data
	Hazardous decomposition products:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological Information

11.1	Acute toxicity:	No ingredients harmful to health or environment.
11.2	Irritation/Corrosion	N/A
11.3	Senitiser	N/A
11.4	Mutagenicity:	N/A
11.5	Carcinogenicity:	N/A
11.6	Reproductive toxicity:	N/A
11.7	Specific target organ toxicity (single exposure):	N/A
11.8	Specific target organ toxicity (repeated exposure):	N/A
11.9	Aspiration hazard:	N/A

SECTION 12: Ecological Information

12.1	Toxicity	No ingredients harmful to health or environment.
12.2	Persistence and degradability:	N/A
12.3	Bioaccumulative potential:	N/A
12.4	Mobility in soil:	N/A
12.5	Results of PBT and vPvB assessment:	N/A
12.6	Other adverse effects:	N/A

SECTION 13: Disposal Considerations

13.1	Waste treatment methods:	The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.
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SECTION 14: Transport Information

14.1	Precautions for transportation :	Always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.
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SECTION 15: Regulatory Information

Nation	Regulation	Information
International	Chemical Weapon Convention List Schedules I, II & III Chemicals	Not listed.
International	Montreal Protocol (Annexes A, B, C, E)	Not listed.
International	Stockholm Convention on Persistent Organic Pollutants	Not listed.
International	Rotterdam Convention on Prior Inform Consent (PIC)	Not listed.
International	UNECE Aarhus Protocol on POPs and Heavy Metals	Not listed.

Europe	Regulation (EC) No 1907/2006 of the European Parliament and of the Council (REACH)	All components are not listed in the list.
United States	Toxic Substances Control Act (TSCA)	Not listed.
United States	TSCA Chemical Substance Inventory	All components are not listed in the list.
Japan	Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc.	All components are not listed in the list.
Turkey	Regulation on the Export and Import of Certain Hazardous Chemicals	All components are not listed in the list.
Turkey	Regulation of Registration, Evaluation, Authorization, and Restriction of Chemicals (KDDIK)	All components are not listed in the list.
China	Inventory of the Existing Chemical Substances in China (IECSC)	All components are listed or exempted.
China	Provisions on Environmental Administration of New Chemical Substances	Not listed.
China	Regulations on Safe Management of Hazardous Chemicals in China	Not listed.
China	Catalog of Hazardous Chemicals	All components are not listed in the list.
China	Catalog of Goods Prohibited from Import	All components are not listed in the list.
China	Catalog of Goods Prohibited from Export	All components are not listed in the list.
China	China Inventory of Severely Restricted Toxic Chemicals	All components are not listed in the list.

SECTION 16: Other Information

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 information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Edinbrough Genetics Limited and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. ©2023 Edinbrough Genetics Ltd. All rights reserved.