SAFETY DATA SHEET

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

Rev A3: 15/08/2023

SECTION 1: Identification of the Substance and Company/Undertaking

1.1 **Product Identifier**

Product name:	egSEQ Cap Beads & Nuclease-Free Water	
Cat. No.	EG1304S	
Specification	2 * 1mL	
Component Cat. No.	EG130401	egSEQCap Beads
	EG130402	Nuclease-Free Water

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 0PZ
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**

egSEQCap Beads	Colourless, Liquid. No known significant effects or critical hazards.
Nuclease-Free Water	

2.1.2 **Classification according to Regulation (EC) No 1272/2008 (including amendments):**

egSEQCap Beads	Not Classified
Nuclease-Free Water	

2.1.3 **GHS Hazard Category**

egSEQCap Beads	None
Nuclease-Free Water	

2.2 **Label elements:**

Hazard Pictogram:

egSEQCap Beads	No pictogram
Nuclease-Free Water	

Signal word:

egSEQCap Beads	No signal word
Nuclease-Free Water	

Hazard statements:

egSEQCap Beads	No known significant effects or critical hazards.
Nuclease-Free Water	

Precautionary statements:	egSEQCap Beads	None	
	Nuclease-Free Water		
Prevention:	egSEQCap Beads	N/A	
	Nuclease-Free Water		
Disposal:	egSEQCap Beads	N/A	
	Nuclease-Free Water		
Storage:	egSEQCap Beads	N/A	
	Nuclease-Free Water		

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**	egSEQCap Beads	Mixture
		Nuclease-Free Water	Mixture
3.2	**Composition**	egSEQCap Beads	No ingredients harmful to health or environment.
		Nuclease-Free Water	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:

egSEQCap Beads	No known significant effects or critical hazards.
Nuclease-Free Water	No known significant effects or critical hazards.

Over-exposure signs/symptoms:

egSEQCap Beads	No specific data.
Nuclease-Free Water	No specific data.

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

Specific Treatments

egSEQCap Beads	None Specific
Nuclease-Free Water	None Specific

Notes to Physician

egSEQCap Beads	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Nuclease-Free Water	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:**

egSEQCap Beads	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).
Nuclease-Free Water	

6.1.2 **For emergency responders:**

egSEQCap Beads	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).
Nuclease-Free Water	

6.2 **Environmental Precautions:**

egSEQCap Beads	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).
Nuclease-Free Water	

6.3 **Methods and materials for containment and cleaning up:**

egSEQCap Beads	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up. Dispose of via a licensed waste disposal contractor.
Nuclease-Free Water	

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:**

egSEQCap Beads

Nuclease-Free Water

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:**

egSEQCap Beads

Nuclease-Free Water

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

9.1 **Information on basic physical and chemical properties**

Physical State:

egSEQCap Beads: Liquid

Nuclease-Free Water: Liquid

9.2 **Colour:**

egSEQCap Beads: Coulourless

Nuclease-Free Water: Coulourless

9.3 **Odour:**

egSEQCap Beads: Odourless

Nuclease-Free Water: Odourless

9.4 **Odour threshold:**

egSEQCap Beads: N/A

Nuclease-Free Water: N/A

9.5 **pH:**

egSEQCap Beads: N/A

Nuclease-Free Water: 5.7 +/- 0.4

9.6	**Melting/Freezing point:**	
	egSEQCap Beads	N/A
	Nuclease-Free Water	0°
9.7	**Initial boiling point and boiling range:**	
	egSEQCap Beads	N/A
	Nuclease-Free Water	100°
9.8	**Flash point:**	
	egSEQCap Beads	N/A
	Nuclease-Free Water	N/A
9.9	**Evaporation rate:**	
	egSEQCap Beads	N/A
	Nuclease-Free Water	N/A
9.1	**Flammability:**	
	egSEQCap Beads	N/A
	Nuclease-Free Water	N/A
9.11	**Upper/lower flammability or explosive limits:**	
	egSEQCap Beads	N/A
	Nuclease-Free Water	N/A
9.12	**Vapour pressure:**	
	egSEQCap Beads Nuclease-Free Water	The main component of the reagent is water. At 20 ℃, the steam pressure of water is 3.2kPa. At 50 ℃, the vapor pressure of water is 12.3 kPa.
9.13	**Vapour density**	
	egSEQCap Beads	N/A
	Nuclease-Free Water	N/A
9.14	**Relative vapour density (air=1):**	
	egSEQCap Beads	N/A
	Nuclease-Free Water	N/A
9.15	**Solubility:**	
	egSEQCap Beads	Soluble in water
	Nuclease-Free Water	Soluble in water
9.16	**Partition coefficient (n-octanol/water):**	
	egSEQCap Beads	N/A
	Nuclease-Free Water	N/A
9.17	**Auto-ignition temperature:**	
	egSEQCap Beads	N/A
	Nuclease-Free Water	N/A
9.18	**Decomposition temperature:**	
	egSEQCap Beads	N/A
	Nuclease-Free Water	N/A
9.19	**Viscosity:**	
	egSEQCap Beads	N/A
	Nuclease-Free Water	N/A

SECTION 10: Stability and Reactivity

10.1	**Reactivity:**	
	egSEQCap Beads	Stable
	Nuclease-Free Water	Stable
10.2	**Chemical stability:**	
	egSEQCap Beads	Stable

	Nuclease-Free Water	Stable
10.3	**Possibility of hazardous reactions:**	
	egSEQCap Beads	Under normal conditions of storage and use, hazardous lreactions will not occur.
	Nuclease-Free Water	
10.4	**Conditions to Avoid:**	
	egSEQCap Beads	No specific data
	Nuclease-Free Water	No specific data
10.5	**Incompatible materials:**	
	egSEQCap Beads	No specific data
	Nuclease-Free Water	No specific data
10.6	**Hazardous decomposition products:**	
	egSEQCap Beads	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	Nuclease-Free Water	

SECTION 11: Toxicological Information

11.1	**Acute toxicity:**	No ingredients harmful to health or environment.
11.2	**Irritation/Corrosion**	No ingredients harmful to health or environment.
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.

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.

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 (KKDIK)	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.Edinburgh Genetics Limited and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product.