



SAFETY DATA SHEET

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

Rev 7: 23/07/2023

SECTION 1: Identification of the Substance and Company/Undertaking

1.1 Product Identifier

Product name: egSEQ UMI & UDI Primer 289-384
Cat. No. EG1110
Specification 96rxn
Component Cat. No. EG111001 egSEQ Insert UMI Adapter (15 µM, for Illu
EG111002 egSEQ UDI Primer N (10 µM each, for Illu

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	egSEQ Insert UMI Adapter (15 µM)	Colourless, Liquid. No known significant effects or critical hazards.
		egSEQ UDI Primer N (10 µM each)	

2.1.2	Classification according to Regulation (EC) No 1272/2008 (including amendments):	egSEQ Insert UMI Adapter (15 µM)	Not Classified
		egSEQ UDI Primer N (10 µM each)	

2.1.3	GHS Hazard Category	egSEQ Insert UMI Adapter (15 µM)	Not Classified
		egSEQ UDI Primer N (10 µM each)	

2.2 Label elements:

Hazard Pictograms	egSEQ Insert UMI Adapter (15 µM)	No pictogram
	egSEQ UDI Primer N (10 µM each)	

Signal word:	egSEQ Insert UMI Adapter (15 µM)	No signal word
	egSEQ UDI Primer N (10 µM each)	

Hazard statements:	egSEQ Insert UMI Adapter (15 µM)	No known significant effects or critical hazards.
	egSEQ UDI Primer N (10 µM each)	
Precautionary statements:	egSEQ Insert UMI Adapter (15 µM)	None
	egSEQ UDI Primer N (10 µM each)	
Prevention:	egSEQ Insert UMI Adapter (15 µM)	N/A
	egSEQ UDI Primer N (10 µM each)	
Disposal:	egSEQ Insert UMI Adapter (15 µM)	N/A
	egSEQ UDI Primer N (10 µM each)	
Storage:	egSEQ Insert UMI Adapter (15 µM)	N/A
	egSEQ UDI Primer N (10 µM each)	

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	egSEQ Insert UMI Adapter (15 µM)	Mixture
		egSEQ UDI Primer N (10 µM each)	Mixture
3.2	Composition	egSEQ Insert UMI Adapter (15 µM)	No ingredients harmful to health or enviro
		egSEQ UDI Primer N (10 µM each)	No ingredients harmful to health or enviro

SECTION 4: First-Aid Measures

4.1 **Description of First Aid Measures**

Ingestion:	Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. 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. Get medical attention if adverse health effects persist or are severe.
Eye contact:	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. 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:	
egSEQ Insert UMI Adapter (15 µM)	No known significant effects or critical hazards.
egSEQ UDI Primer N (10 µM each)	No known significant effects or critical hazards.

Over-exposure signs/symptoms:

egSEQ Insert UMI Adapter (15 µM) No specific data.

egSEQ UDI Primer N (10 µM each) No specific data.

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

egSEQ Insert UMI Adapter (15 µM) None Specific

egSEQ UDI Primer N (10 µM each) None Specific

Notes to Physician

egSEQ Insert UMI Adapter (15 µM) Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

egSEQ UDI Primer N (10 µM each) 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:**

egSEQ Insert UMI Adapter (15 µM) 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).

egSEQ UDI Primer N (10 µM each)

6.1.2 For emergency responders:

egSEQ Insert UMI Adapter (15 µM) 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.

egSEQ UDI Primer N (10 µM each) Do not touch or walk through spilt material. Put on appropriate personal protective equipment (see Section 8).

6.2 Environmental Precautions:

egSEQ Insert UMI Adapter (15 µM) 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).

egSEQ UDI Primer N (10 µM each)

6.3 Methods and materials for containment and cleaning up:

egSEQ Insert UMI Adapter (15 µM) Stop leak if without risk. Move containers from spill area. Dilute with water and mop up. Dispose of via a licensed waste disposal contractor.

egSEQ UDI Primer N (10 µM each)

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:

egSEQ Insert UMI Adapter (15 µM) 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.

egSEQ UDI Primer N (10 µM each)

7.3 Specific end use(s) recommendations:

egSEQ Insert UMI Adapter (15 µM) Industrial applications, Professional applications.

egSEQ UDI Primer N (10 µM each)

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:

egSEQ Insert UMI Adapter (15 µM) Liquid

egSEQ UDI Primer N (10 µM each) Liquid

9.2 Colour:

egSEQ Insert UMI Adapter (15 µM) Colourless

egSEQ UDI Primer N (10 µM each) Colourless

9.3 Odour:

egSEQ Insert UMI Adapter (15 µM) Odourless

egSEQ UDI Primer N (10 µM each) Odourless

9.4	Odour threshold: egSEQ Insert UMI Adapter (15 µM) egSEQ UDI Primer N (10 µM each)	N/A N/A
9.5	pH: egSEQ Insert UMI Adapter (15 µM) egSEQ UDI Primer N (10 µM each)	7.5 7.5
9.6	Melting/Freezing point: egSEQ Insert UMI Adapter (15 µM) egSEQ UDI Primer N (10 µM each)	0° 0°
9.7	Initial boiling point and boiling range: egSEQ Insert UMI Adapter (15 µM) egSEQ UDI Primer N (10 µM each)	100° 100°
9.8	Flash point: egSEQ Insert UMI Adapter (15 µM) egSEQ UDI Primer N (10 µM each)	N/A N/A
9.9	Evaporation rate: egSEQ Insert UMI Adapter (15 µM) egSEQ UDI Primer N (10 µM each)	N/A N/A
9.1	Flammability: egSEQ Insert UMI Adapter (15 µM) egSEQ UDI Primer N (10 µM each)	N/A N/A
9.11	Upper/lower flammability or explosive limits: egSEQ Insert UMI Adapter (15 µM) egSEQ UDI Primer N (10 µM each)	N/A N/A
9.12	Vapour pressure: egSEQ Insert UMI Adapter (15 µM) egSEQ UDI Primer N (10 µM each)	The main component of the reagent is water. At 20 °C, the steam pressure of water is 3.2kPa. At 50 °C, the vapor pressure of water is 12.3 kPa.
9.13	Vapour density egSEQ Insert UMI Adapter (15 µM) egSEQ UDI Primer N (10 µM each)	N/A N/A
9.14	Relative vapour density (air=1): egSEQ Insert UMI Adapter (15 µM) egSEQ UDI Primer N (10 µM each)	N/A N/A
9.15	Solubility: egSEQ Insert UMI Adapter (15 µM) egSEQ UDI Primer N (10 µM each)	Soluble in water Soluble in water
9.16	Partition coefficient (n-octanol/water): egSEQ Insert UMI Adapter (15 µM) egSEQ UDI Primer N (10 µM each)	N/A N/A
9.17	Auto-ignition temperature: egSEQ Insert UMI Adapter (15 µM) egSEQ UDI Primer N (10 µM each)	N/A N/A
9.18	Decomposition temperature: egSEQ Insert UMI Adapter (15 µM) egSEQ UDI Primer N (10 µM each)	N/A N/A

9.19	Viscosity:	
	egSEQ Insert UMI Adapter (15 µM)	N/A
	egSEQ UDI Primer N (10 µM each)	N/A

SECTION 10: Stability and Reactivity

10.1	Reactivity:	
	egSEQ Insert UMI Adapter (15 µM)	Stable
	egSEQ UDI Primer N (10 µM each)	Stable
10.2	Chemical stability:	
	egSEQ Insert UMI Adapter (15 µM)	Stable
	egSEQ UDI Primer N (10 µM each)	Stable
10.3	Possibility of hazardous reactions:	
	egSEQ Insert UMI Adapter (15 µM)	Under normal conditions of storage and use, hazardous reactions will not occur.
	egSEQ UDI Primer N (10 µM each)	
10.4	Conditions to Avoid:	
	egSEQ Insert UMI Adapter (15 µM)	No specific data
	egSEQ UDI Primer N (10 µM each)	No specific data
10.5	Incompatible materials:	
	egSEQ Insert UMI Adapter (15 µM)	No specific data
	egSEQ UDI Primer N (10 µM each)	No specific data
10.6	Hazardous decomposition products:	
	egSEQ Insert UMI Adapter (15 µM)	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	egSEQ UDI Primer N (10 µM each)	

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.

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. ©2023 Edinburgh Genetics Ltd. All rights reserved.

