



# SAFETY DATA SHEET

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

Rev A3: 10/08/2023

## SECTION 1: Identification of the Substance and Company/Undertaking

### 1.1 Product Identifier

<b>Product name:</b>	egSEQ Enzyme DNA Library Prep Kit	
<b>Cat. No.</b>	EG1101S	
<b>Specification</b>	16rxn	
<b>Component Cat. No.</b>	EG110101S	Ada Ligase
	EG110102S	Ada Ligation Buffer
	EG110103S	Fragment & ERA Buffer
	EG110104S	Fragment & ERA Enzyme Mix
	EG110105S	PCR Master Mix

### 1.2 Relevant identified uses of the substance and uses advised against

<b>Identified Uses:</b>	Analytical reagent
<b>Restricted Uses:</b>	For research use only. Not available for diagnostic procedures.
<b>Mixture supplied to that use in form of:</b>	A mixture
<b>Product Category by type of chemical:</b>	Analytical reagent

### 1.3 Details of the supplier of the Safety data Sheet

<b>Address:</b>	Edinburgh Genetics Limited Pentlands Science Park, Penicuik, United Kingdom EH26 0PZ
<b>Telephone Number:</b>	+44 1312616686
<b>Email Address:</b>	<a href="mailto:info@eggenetics.com">info@eggenetics.com</a>

1.4 **Emergency Telephone:** +44 1312616686

## SECTION 2: Hazards Identification

### 2.1 Classification of the mixture

2.1.1	<b>Emergency Overview</b>	Fragment & ERA Buffer	Colourless, Liquid. H316-Causes mild skin irritation. H320-Causes eye irritation.
		Fragment & ERA Enzyme Mix	
		Ada Ligation Buffer	
		Ada Ligase	
		PCR Master Mix	
2.1.2	<b>Classification according to Regulation (EC) No 1272/2008 (including amendments):</b>	Fragment & ERA Buffer	Category 3, Serious eye damage/eye irritation-Category 2B
		Fragment & ERA Enzyme Mix	
		Ada Ligation Buffer	
		Ada Ligase	
		PCR Master Mix	
2.1.3	<b>Classification according to EU Directive 67/548/EEC (including amendments):</b>	Fragment & ERA Buffer	None
		Fragment & ERA Enzyme Mix	
		Ada Ligation Buffer	
		Ada Ligase	
		PCR Master Mix	
2.2	<b>Label elements:</b>	Fragment & ERA Buffer	

Fragment & ERA Enzyme Mix	None
Ada Ligation Buffer	
Ada Ligase	
PCR Master Mix	

<b>Signal word:</b>	Fragment & ERA Buffer	Warning
	Fragment & ERA Enzyme Mix	
	Ada Ligation Buffer	
	Ada Ligase	
	PCR Master Mix	

<b>Hazard statements:</b>	Fragment & ERA Buffer	H316-Causes mild skin irritation H320-Causes eye irritation.
	Fragment & ERA Enzyme Mix	
	Ada Ligation Buffer	
	Ada Ligase	
	PCR Master Mix	

<b>Precautionary statements:</b>	Fragment & ERA Buffer	None
	Fragment & ERA Enzyme Mix	
	Ada Ligation Buffer	
	Ada Ligase	
	PCR Master Mix	

<b>Prevention:</b>	Fragment & ERA Buffer	P264-Wash hands thoroughly after operation
	Fragment & ERA Enzyme Mix	
	Ada Ligation Buffer	
	Ada Ligase	
	PCR Master Mix	

<b>Disposal:</b>	Fragment & ERA Buffer	N/A
	Fragment & ERA Enzyme Mix	
	Ada Ligation Buffer	
	Ada Ligase	
	PCR Master Mix	

<b>Storage:</b>	Fragment & ERA Buffer	N/A
	Fragment & ERA Enzyme Mix	
	Ada Ligation Buffer	
	Ada Ligase	
	PCR Master Mix	

2.3 **Other Hazards:** *The product is a mixture containing mostly water with various other ingredients producing slight risk of irritation in their pure state*

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	<b>Substances</b>	Fragment & ERA Buffer	Mixture
		Fragment & ERA Enzyme Mix	Mixture
		Ada Ligation Buffer	Mixture
		Ada Ligase	Mixture
		PCR Master Mix	Mixture

3.2 **Composition**

Product identifier type in accordance with Article 18(2) of Regulation (EC) No 1272/2008	Proportion	Identifiers	EC Number
<b>Ada Ligation Buffer</b>			Classified 200-289-5
Dithiothreitol	0.01 to 0.5	EC: 248-531-9 CAS: 27565-41-9	Eye Irrit. 2, H319 Acute Tox. 4, H302 Skin Irrit. 2, H315 STOT SE 3, H335
<b>Ada Ligase</b>			
Glycerol	2 to 15	EC: 200-289-5 CAS: 56-81-5	Eye Irrit. 2, H319
<b>PCR Master Mix</b>			
Glycerol	2 to 15	EC: 200-289-5 CAS: 56-81-5	Eye Irrit. 2, H319
2-Amino-2-hydroxymethyl-1,3-propanediol	1 to 5	EC: 201-064-4 CAS: 77-86-1	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335

## SECTION 4: First-Aid Measures

### 4.1 Description of First Aid Measures

<b>Ingestion:</b>	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.
<b>Skin contact:</b>	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.
<b>Eye contact:</b>	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.
<b>Inhalation:</b>	Move exposed person to fresh air. Get medical attention if adverse health effects persist or are severe.
<b>First Aider Protection:</b>	None specific

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

#### Potential acute health effects:

Fragment & ERA Buffer	Causes mild skin irritation. Causes eye irritation.
Fragment & ERA Enzyme Mix	Causes mild skin irritation. Causes eye irritation.
Ada Ligation Buffer	Causes mild skin irritation. Causes eye irritation.
Ada Ligase	Causes mild skin irritation. Causes eye irritation.
PCR Master Mix	Causes mild skin irritation. Causes eye irritation.

#### Over-exposure signs/symptoms:

Fragment & ERA Buffer	Skin irritation and redness. Eye pain or irritation, tears and redness.
Fragment & ERA Enzyme Mix	Skin irritation and redness. Eye pain or irritation, tears and redness.
Ada Ligation Buffer	Skin irritation and redness. Eye pain or irritation, tears and redness.
Ada Ligase	Skin irritation and redness. Eye pain or irritation, tears and redness.
PCR Master Mix	Skin irritation and redness. Eye pain or irritation, tears and redness.

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

##### Specific Treatments

Fragment & ERA Buffer	None Specific
Fragment & ERA Enzyme Mix	None Specific
Ada Ligation Buffer	None Specific
Ada Ligase	None Specific
PCR Master Mix	None Specific

##### Notes to Physician

Fragment & ERA Buffer	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Fragment & ERA Enzyme Mix	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Ada Ligation Buffer	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Ada Ligase	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
PCR Master Mix	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)

<b>Small Fire:</b>	Use an extinguishing agent suitable for the surrounding fire.
<b>Large Fire:</b>	Use an extinguishing agent suitable for the surrounding fire.
<b>Avoid:</b>	None

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:

Fragment & ERA Buffer	No action shall be taken involving any personal risk or without suitable training.
Fragment & ERA Enzyme Mix	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).
Ada Ligation Buffer	
Ada Ligase	
PCR Master Mix	

##### 6.1.2 For emergency responders:

Fragment & ERA Buffer	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.
Fragment & ERA Enzyme Mix	Do not touch or walk through spilt material. Put on appropriate personal protective equipment (see Section 8).
Ada Ligation Buffer	
Ada Ligase	
PCR Master Mix	

##### 6.2 Environmental Precautions:

Fragment & ERA Buffer	
Fragment & ERA Enzyme Mix	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).
Ada Ligation Buffer	
Ada Ligase	
PCR Master Mix	

- 6.3 **Methods and materials for containment and cleaning up:**  
 Fragment & ERA Buffer  
 Fragment & ERA Enzyme Mix  
 Ada Ligation Buffer  
 Ada Ligase  
 PCR Master Mix
- 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**  
 Fragment & ERA Buffer  
 Fragment & ERA Enzyme Mix  
 Ada Ligation Buffer  
 Ada Ligase  
 PCR Master Mix
- Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
- 7.2 **Conditions for safe storage, including any incompatibilities:**  
 Fragment & ERA Buffer  
 Fragment & ERA Enzyme Mix  
 Ada Ligation Buffer  
 Ada Ligase  
 PCR Master Mix
- 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:**  
 Fragment & ERA Buffer  
 Fragment & ERA Enzyme Mix  
 Ada Ligation Buffer  
 Ada Ligase  
 PCR Master Mix
- Industrial applications, Professional applications.

**SECTION 8: Exposure Controls/Personal Protection**

8.1 **Control Parameters**

Product/ingredient name	Component in the Kit	Exposure limit values
Fragment & ERA Buffer	N/A	N/A
Fragment & ERA Enzyme Mix	N/A	N/A
Ada Ligation Buffer	N/A	N/A
Ada Ligase	N/A	N/A
PCR Master Mix	N/A	N/A

8.2 **Exposure controls**

<b>Appropriate engineering controls:</b>	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.
<b>Respiratory protection:</b>	Wear medical protective mask.
<b>Hand protection:</b>	Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products.
<b>Eye protection:</b>	If contact is possible, the following protection should be worn: chemical splash goggles and/or face shield.
<b>Skin protection:</b>	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.
<b>Environmental exposure controls:</b>	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:**

Fragment & ERA Buffer	Liquid
Fragment & ERA Enzyme Mix	Liquid
Ada Ligation Buffer	Liquid
Ada Ligase	Liquid
PCR Master Mix	Liquid

9.2

**Colour:**

Fragment & ERA Buffer	Coulourless
Fragment & ERA Enzyme Mix	Coulourless
Ada Ligation Buffer	Coulourless
Ada Ligase	Coulourless
PCR Master Mix	Coulourless

9.3

**Odour:**

Fragment & ERA Buffer	Odourless
Fragment & ERA Enzyme Mix	Odourless
Ada Ligation Buffer	Odourless
Ada Ligase	Odourless
PCR Master Mix	Irritating odour

9.4

**Odour threshold:**

Fragment & ERA Buffer	N/A
Fragment & ERA Enzyme Mix	N/A
Ada Ligation Buffer	N/A
Ada Ligase	N/A
PCR Master Mix	N/A

9.5

**pH:**

Fragment & ERA Buffer	N/A
Fragment & ERA Enzyme Mix	N/A
Ada Ligation Buffer	N/A
Ada Ligase	N/A
PCR Master Mix	N/A

9.6

**Melting/Freezing point:**

Fragment & ERA Buffer	N/A
Fragment & ERA Enzyme Mix	N/A
Ada Ligation Buffer	N/A
Ada Ligase	N/A
PCR Master Mix	N/A

9.7

**Initial boiling point and boiling range:**

Fragment & ERA Buffer	N/A
Fragment & ERA Enzyme Mix	N/A
Ada Ligation Buffer	N/A
Ada Ligase	N/A
PCR Master Mix	N/A

9.8

**Flash point:**

Fragment & ERA Buffer	N/A
Fragment & ERA Enzyme Mix	N/A
Ada Ligation Buffer	N/A
Ada Ligase	N/A
PCR Master Mix	N/A

9.9

**Evaporation rate:**

Fragment & ERA Buffer	N/A
Fragment & ERA Enzyme Mix	N/A
Ada Ligation Buffer	N/A
Ada Ligase	N/A
PCR Master Mix	N/A

9.1

**Flammability:**

	Fragment & ERA Buffer	N/A
	Fragment & ERA Enzyme Mix	N/A
	Ada Ligation Buffer	N/A
	Ada Ligase	N/A
	PCR Master Mix	N/A
9.11	<b>Upper/lower flammability or explosive limits:</b>	
	Fragment & ERA Buffer	N/A
	Fragment & ERA Enzyme Mix	N/A
	Ada Ligation Buffer	N/A
	Ada Ligase	N/A
	PCR Master Mix	N/A
9.12	<b>Vapour pressure:</b>	
	Fragment & ERA Buffer	N/A
	Fragment & ERA Enzyme Mix	N/A
	Ada Ligation Buffer	N/A
	Ada Ligase	N/A
	PCR Master Mix	N/A
9.13	<b>Vapour density</b>	
	Fragment & ERA Buffer	N/A
	Fragment & ERA Enzyme Mix	N/A
	Ada Ligation Buffer	N/A
	Ada Ligase	N/A
	PCR Master Mix	N/A
9.14	<b>Relative vapour density (air=1):</b>	
	Fragment & ERA Buffer	N/A
	Fragment & ERA Enzyme Mix	N/A
	Ada Ligation Buffer	N/A
	Ada Ligase	N/A
	PCR Master Mix	N/A
9.15	<b>Solubility:</b>	
	Fragment & ERA Buffer	Soluble in water
	Fragment & ERA Enzyme Mix	Soluble in water
	Ada Ligation Buffer	Soluble in water
	Ada Ligase	Soluble in water
	PCR Master Mix	Soluble in water
9.16	<b>Partition coefficient (n-octanol/water):</b>	
	Fragment & ERA Buffer	N/A
	Fragment & ERA Enzyme Mix	N/A
	Ada Ligation Buffer	N/A
	Ada Ligase	N/A
	PCR Master Mix	N/A
9.17	<b>Auto-ignition temperature:</b>	
	Fragment & ERA Buffer	N/A
	Fragment & ERA Enzyme Mix	N/A
	Ada Ligation Buffer	N/A
	Ada Ligase	N/A
	PCR Master Mix	N/A
9.18	<b>Decomposition temperature:</b>	
	Fragment & ERA Buffer	N/A
	Fragment & ERA Enzyme Mix	N/A
	Ada Ligation Buffer	N/A
	Ada Ligase	N/A
	PCR Master Mix	N/A
9.19	<b>Viscosity:</b>	
	Fragment & ERA Buffer	N/A
	Fragment & ERA Enzyme Mix	N/A
	Ada Ligation Buffer	N/A

Ada Ligase	N/A
PCR Master Mix	N/A

## SECTION 10: Stability and Reactivity

10.1	<b>Reactivity:</b>	
	Fragment & ERA Buffer	Stable
	Fragment & ERA Enzyme Mix	Stable
	Ada Ligation Buffer	Stable
	Ada Ligase	Stable
	PCR Master Mix	Stable
10.2	<b>Chemical stability:</b>	
	Fragment & ERA Buffer	Stable
	Fragment & ERA Enzyme Mix	Stable
	Ada Ligation Buffer	Stable
	Ada Ligase	Stable
	PCR Master Mix	Stable
10.3	<b>Possibility of hazardous reactions:</b>	
	Fragment & ERA Buffer	Under normal conditions of storage and use, hazardous reactions will not occur.
	Fragment & ERA Enzyme Mix	Under normal conditions of storage and use, hazardous reactions will not occur.
	Ada Ligation Buffer	Under normal conditions of storage and use, hazardous reactions will not occur.
	Ada Ligase	Under normal conditions of storage and use, hazardous reactions will not occur.
	PCR Master Mix	Under normal conditions of storage and use, hazardous reactions will not occur.
10.4	<b>Conditions to Avoid:</b>	
	Fragment & ERA Buffer	No specific data
	Fragment & ERA Enzyme Mix	No specific data
	Ada Ligation Buffer	No specific data
	Ada Ligase	No specific data
	PCR Master Mix	No specific data
10.5	<b>Incompatible materials:</b>	
	Fragment & ERA Buffer	No specific data
	Fragment & ERA Enzyme Mix	No specific data
	Ada Ligation Buffer	No specific data
	Ada Ligase	No specific data
	PCR Master Mix	No specific data
10.6	<b>Hazardous decomposition products:</b>	
	Fragment & ERA Buffer	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	Fragment & ERA Enzyme Mix	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	Ada Ligation Buffer	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	Ada Ligase	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	PCR Master Mix	Under normal conditions of storage and use, hazardous decomposition products should not be produced.



## SECTION 11: Toxicological Information

### 11.1 Information on toxicological effects

#### Acute toxicity:

Product/ingredient name	Result	Species	Dose	Exposure
<b>Ada Ligation Buffer</b>				
Dithiothreitol	LD50 Skin	Mouse	333 mg/kg	/
<b>Ada Ligase</b>				
Glycerol	LD50 Oral	Rat	12600 mg/kg	/
<b>PCR Master Mix</b>				
Glycerol	LD50 Oral	Rat	12600 mg/kg	/
2-Amino-2-hydroxymethyl-1,3-propanediol	LD50 Skin	Rat	>5000 mg/kg	/

### 11.2 Irritation/Corrosion

Product/ingredient name	Result	Species	Exposure
<b>Ada Ligation Buffer</b>			
Dithiothreitol	N/A	N/A	N/A
<b>Ada Ligase</b>			
Glycerol	Eyes - mild irritant	Rabbit	24 h 500 mg
	Skin - mild irritant	Rabbit	24 h 500 mg
<b>PCR Master Mix</b>			
Glycerol	Eyes - mild irritant	Rabbit	24 h 500 mg
	Skin - mild irritant	Rabbit	24 h 500 mg
2-Amino-2-hydroxymethyl-1,3-propanediol	Skin - moderate irritant	Rabbit	0.25
	Skin - severe irritant	Rabbit	500 mg

### 11.3 Senitiser

Fragment & ERA Buffer	N/A
Fragment & ERA Enzyme Mix	N/A
Ada Ligation Buffer	N/A
Ada Ligase	N/A
PCR Master Mix	N/A

### 11.4 Mutagenicity:

Fragment & ERA Buffer	N/A
Fragment & ERA Enzyme Mix	N/A
Ada Ligation Buffer	N/A
Ada Ligase	N/A
PCR Master Mix	N/A

### 11.5 Carcinogenicity:

Fragment & ERA Buffer	N/A
Fragment & ERA Enzyme Mix	N/A
Ada Ligation Buffer	N/A
Ada Ligase	N/A
PCR Master Mix	N/A

### 11.6 Reproductive toxicity:

Fragment & ERA Buffer	N/A
Fragment & ERA Enzyme Mix	N/A
Ada Ligation Buffer	N/A
Ada Ligase	N/A
PCR Master Mix	N/A

### 11.7 Specific target organ toxicity (single exposure):

Fragment & ERA Buffer	N/A
Fragment & ERA Enzyme Mix	N/A
Ada Ligation Buffer	N/A
Ada Ligase	N/A
PCR Master Mix	N/A

### 11.8 Specific target organ toxicity (repeated exposure):

Fragment & ERA Buffer	N/A
Fragment & ERA Enzyme Mix	N/A
Ada Ligation Buffer	N/A
Ada Ligase	N/A

	PCR Master Mix	N/A
11.9	<b>Aspiration hazard:</b>	
	Fragment & ERA Buffer	N/A
	Fragment & ERA Enzyme Mix	N/A
	Ada Ligation Buffer	N/A
	Ada Ligase	N/A
	PCR Master Mix	N/A

## SECTION 12: Ecological Information

### 12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
<b>Ada Ligation Buffer</b>			
Dithiothreitol	N/A	N/A	N/A
<b>Ada Ligase</b>			
Glycerol	Eyes - mild irritant	Fish - Oncorhynchus mykiss	24 h 500 mg
<b>PCR Master Mix</b>			
Glycerol	Eyes - mild irritant	Fish - Oncorhynchus mykiss	96h
2-Amino-2-hydroxymethyl-1,3-propanediol	Acute EC50 >980 mg/L Fresh water	Daphnia	48h
	Acute NOEC 520 mg/L Fresh water	Daphnia	48h

12.2	<b>Persistence and degradability:</b>	N/A
12.3	<b>Bioaccumulative potential:</b>	N/A
12.4	<b>Mobility in soil:</b>	N/A
12.5	<b>Results of PBT and vPvB assessment:</b>	N/A
12.6	<b>Other adverse effects:</b>	N/A

## SECTION 13: Disposal Considerations

13.1	<b>Waste treatment methods:</b>	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	<b>Precautions for transportation :</b>	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 (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.