SAFETY DATA SHEET



XL1-Blue Electroporation-Competent Cells, Part Number 200228

Section 1. Identification

Product identifier	: XL1-Blue Electroporation-Competent Cells,	Part Number 200228	
Part no. (chemical kit)	: 200228	: 200228	
Part no.	: pUC 18 DNA Control Plasmid XL1-Blue electroporation competent cells	200231-42 200228-41	
Relevant identified uses o	<u>f the substance or mixture and uses advised ag</u>	<u>ainst</u>	
Identified uses	: Analytical reagent.		
	P UC 18 DNA Control Plasmid XL1-Blue electroporation competent cells	0.01 ml (0.1 ng / μl) 5 x 0.1 ml	
Supplier/Manufacturer	: Agilent Technologies, Inc. 5301 Stevens Creek Blvd Santa Clara, CA 95051, USA 800-227-9770		
Emergency telephone number (with hours of operation)	: CHEMTREC®: 1-800-424-9300		

Section 2. Hazard identification

Classification of the substance or mixture

Not classified.

GHS label elements			
Signal word	:	pUC 18 DNA Control Plasmid XL1-Blue electroporation competent cells	No signal word. No signal word.
Hazard statements	:	pUC 18 DNA Control Plasmid XL1-Blue electroporation competent cells	No known significant effects or critical hazards. No known significant effects or critical hazards.
Precautionary statements			
Prevention	:	pUC 18 DNA Control Plasmid XL1-Blue electroporation competent cells	Not applicable. Not applicable.
Response	:	pUC 18 DNA Control Plasmid XL1-Blue electroporation competent cells	Not applicable. Not applicable.
Storage	:	pUC 18 DNA Control Plasmid XL1-Blue electroporation competent cells	Not applicable. Not applicable.
Disposal	:	pUC 18 DNA Control Plasmid XL1-Blue electroporation competent cells	Not applicable. Not applicable.
Supplemental label elements	:	pUC 18 DNA Control Plasmid XL1-Blue electroporation competent cells	None known. None known.
		▲1-Blue electroporation competent cells	Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 2.3%
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Section 2. Hazard identification

Other hazards which do not
result in classification: pUC 18 DNA Control Plasmid None known.
XL1-Blue electroporation
competent cells

Section 3. Composition/information on ingredients

Substance/mixture	: pUC 18 DNA Control Plasmid Mixture XL1-Blue electroporation Mixture competent cells		
Ingredient name	Synonyms	% (w/w)	CAS number
XL1-Blue electroporation competent cells			
Glycerol	Glycerol	≥5 - ≤10	56-81-5

Ranges if listed above for hazardous ingredient(s) are prescribed ranges. The actual concentration(s) or actual concentration range(s) are being withheld as a trade secret.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First-aid measures

Description of necessary first aid measures

: pUC 18 DNA Control Plasmid Immediately flush eyes with plenty of water,
XL1-Blue electroporation competent cells Immediately interreges with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs. 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. Check for and remove any contact lenses. Get occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
: pUC 18 DNA Control Plasmid Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. XL1-Blue electroporation competent cells Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
: pUC 18 DNA Control Plasmid Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. XL1-Blue electroporation competent cells Flush contaminated skin with plenty of water. Remove contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
: pUC 18 DNA Control Plasmid Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur. Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur. Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

Most important symptoms/effects, acute and delayed

Section 4. First-aid measures

Potential acute health effect	<u>ts</u>
Eye contact	: pUC 18 DNA Control Plasmid No known significant effects or critical hazards. XL1-Blue electroporation No known significant effects or critical hazards. competent cells
Inhalation	: pUC 18 DNA Control Plasmid No known significant effects or critical hazards. XL1-Blue electroporation No known significant effects or critical hazards. competent cells
Skin contact	: pUC 18 DNA Control Plasmid No known significant effects or critical hazards. XL1-Blue electroporation No known significant effects or critical hazards. competent cells
Ingestion	: pUC 18 DNA Control Plasmid No known significant effects or critical hazards. XL1-Blue electroporation No known significant effects or critical hazards. competent cells
Over-exposure signs/symp	<u>toms</u>
Eye contact	: pUC 18 DNA Control Plasmid No specific data. XL1-Blue electroporation No specific data. competent cells
Inhalation	: pUC 18 DNA Control Plasmid No specific data. XL1-Blue electroporation No specific data. competent cells
Skin contact	: pUC 18 DNA Control Plasmid No specific data. XL1-Blue electroporation No specific data. competent cells
Ingestion	: pUC 18 DNA Control Plasmid No specific data. XL1-Blue electroporation No specific data. competent cells
Indication of immediate med	lical attention and special treatment needed, if necessary
Notes to physician	: pUC 18 DNA Control Plasmid Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	XL1-Blue electroporation Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments	: pUC 18 DNA Control Plasmid No specific treatment. XL1-Blue electroporation No specific treatment. competent cells
Protection of first-aiders	: pUC 18 DNA Control Plasmid No action shall be taken involving any personal risk or without suitable training.
	XL1-Blue electroporationNo action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media		
Suitable extinguishing media	: pUC 18 DNA Control Plasmid	Use an extinguishing agent suitable for the surrounding fire.
	XL1-Blue electroporation competent cells	Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media	: pUC 18 DNA Control Plasmid XL1-Blue electroporation competent cells	None known. None known.

Section 5. Fire-fighting measures

Specific hazards arising from the chemical	: pUC 18 DNA Control Plasmid In a fire or if heated, a pressure increase will occur and the container may burst.
	XL1-Blue electroporationIn a fire or if heated, a pressure increase will occurcompetent cellsand the container may burst.
Hazardous thermal decomposition products	: pUC 18 DNA Control Plasmid No specific data. XL1-Blue electroporation competent cells Decomposition products may include the following materials: carbon dioxide carbon monoxide
Special protective actions for fire-fighters	: pUC 18 DNA Control Plasmid 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.
	XL1-Blue electroporation competent cells From the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
Special protective equipment for fire-fighters	: pUC 18 DNA Control Plasmid Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
	XL1-Blue electroporation competent cells (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protec	ive equipment and emergency procedures
For non-emergency personnel	: pUC 18 DNA Control Plasmid 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 spilled material. Put on appropriate personal protective equipment.
	XL1-Blue electroporation competent cells 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 spilled material. Put on appropriate personal protective equipment.
For emergency responders	spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
	XL1-Blue electroporation competent cells If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
Environmental precautions	: pUC 18 DNA Control Plasmid 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).
	XL1-Blue electroporation Avoid dispersal of spilled material and runoff and competent cells contact with soil, waterways, drains and sewers.
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Section 6. Accidental release measures

Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up

Methods for cleaning up	: pUC 18 DNA Control Plasmic	d Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
	XL1-Blue electroporation competent cells	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Section 7. Handling and storage

Precautions for safe handling	l		
Protective measures	:		Put on appropriate personal protective equipment (see Section 8).
		XL1-Blue electroporation competent cells	Put on appropriate personal protective equipment (see Section 8).
Advice on general occupational hygiene	:	pUC 18 DNA Control Plasmid	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
		XL1-Blue electroporation competent cells	Potentially biohazardous material. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
Conditions for safe storage, including any incompatibilities	:	pUC 18 DNA Control Plasmid	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. See Section 10 for incompatible materials before handling or use.
		XL1-Blue electroporation competent cells	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

Section 7. Handling and storage

prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
KL1-Blue electroporation competent cells	
Glycerol	CA Alberta Provincial (Canada, 6/2018). 8 hrs OEL: 10 mg/m ³ 8 hours. Form: Mist CA Quebec Provincial (Canada, 6/2022). TWAEV: 10 mg/m ³ 8 hours. Form: mist CA Saskatchewan Provincial (Canada, 7/2013). STEL: 20 mg/m ³ 15 minutes. Form: mist TWA: 10 mg/m ³ 8 hours. Form: mist CA British Columbia Provincial (Canada, 6/2022). TWA: 3 mg/m ³ 8 hours. Form: respirable mist TWA: 10 mg/m ³ 8 hours. Form: total mist

Biological exposure indices

No exposure indices known.

Appropriate engineering controls	:	Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
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.
Individual protection measur	res	
Hygiene measures	:	Handle as biohazard material (Biosafety level 1). Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
Eye/face protection	:	Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.
Skin protection		
Hand protection	:	Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
Body 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.
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Section 8. Exposure controls/personal protection

Other skin protection	: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Respiratory protection	: Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Section 9. Physical and chemical properties and safety characteristics

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

<u>Appearance</u>								
Physical state	:	pUC 18 DNA Control XL1-Blue electropora competent cells		Liquid. Liquid.				
Color	:	pUC 18 DNA Control XL1-Blue electropora competent cells		Not avai Not avai				
Odor	:	pUC 18 DNA Control XL1-Blue electropora competent cells		Not avai Not avai				
Odor threshold	:	pUC 18 DNA Control XL1-Blue electropora competent cells		Not avai Not avai				
рН	:	pUC 18 DNA Control XL1-Blue electropora competent cells		7.5 Not avai	ilable.			
Melting point/freezing point	:	pUC 18 DNA Control XL1-Blue electropora competent cells		0°C (32° Not avai				
Boiling point, initial boiling point, and boiling range	:	pUC 18 DNA Control XL1-Blue electropora competent cells		100°C (2 Not avai	,			
		competent cens						
Flash point	:			Closed	сир		Open	сир
Flash point	:	Ingredient name	°C	Closed °F	cup Method	°C	Open °F	cup Method
Flash point	:		°C		-	°C		-
Flash point	:	Ingredient name	• °C		-	°C		-
Flash point	:	Ingredient name KL1-Blue electroporation competent cells	- -		-		°F	-
Flash point Evaporation rate	:	Ingredient name KL1-Blue electroporation competent cells Glycerol	- - I Plasmid	°F - -	Method - - ilable.	177	°F 350.6	-
	:	Ingredient name XL1-Blue electroporation competent cells Glycerol D-Glucitol pUC 18 DNA Control XL1-Blue electropora	- - I Plasmid ation	°F - - Not avai Not avai	Method - - lable. liable.	177	°F 350.6	-
Evaporation rate	:	Ingredient name KL1-Blue electroporation competent cells Glycerol D-Glucitol pUC 18 DNA Control XL1-Blue electropora competent cells pUC 18 DNA Control XL1-Blue electropora	- I Plasmid ation I Plasmid ation	°F - - Not avai Not app Not app	Method 	177	°F 350.6	-
Evaporation rate Flammability Lower and upper explosion	:	Ingredient name XL1-Blue electroporation competent cells Glycerol D-Glucitol pUC 18 DNA Control XL1-Blue electropora competent cells pUC 18 DNA Control XL1-Blue electropora competent cells pUC 18 DNA Control XL1-Blue electropora	- I Plasmid ation I Plasmid ation	°F - - Not avai Not avai Not app Not app	Method 	177	°F 350.6	-

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Section 9. Physical and chemical properties and safety characteristics

		Vapo	Vapor Pressure at 20°C			Vapor pressure at 50°C		
	Ingredient nam	e mm Hg	kPa	Method	mm Hg	kPa	Method	
	pUC 18 DNA Control Plasmi	d						
	water	17.5	2.3	-	92.258	12.3	-	
	XL1-Blue electroporation competent cells							
	water	17.5	2.3	-	92.258	12.3	-	
	Glycerol	0.000075	0.00001	-	0.0025	0.00033	-	
Relative vapor density	: pUC 18 DNA Con XL1-Blue electro competent cells		Not avail Not avail					
Relative density	: pUC 18 DNA Con XL1-Blue electro competent cells		Not avail Not avail					
Solubility(ies)	: Media			Result				
	pUC 18 DNA Co water XL1-Blue electro cells water			Soluble Soluble				
Partition coefficient: n- octanol/water	: DUC 18 DNA Con XL1-Blue electro competent cells		Not appli Not appli					
Auto-ignition temperature	: Ingredient nam	e	°C	°F	М	ethod		
	XL1-Blue electr competent cells							
	Glycerol		370	698	-			
Decomposition temperature	: pUC 18 DNA Con XL1-Blue electro competent cells		Not avail Not avail					
Viscosity	: pUC 18 DNA Con XL1-Blue electro competent cells		Not avail Not avail					
Particle characteristics								
Median particle size	: pUC 18 DNA Con XL1-Blue electro competent cells		Not appli Not appli					

Section 10. Stability and reactivity

	j and roadinity	
Reactivity	: pUC 18 DNA Control Plasmid No specific test data related to reactivity a this product or its ingredients.	vailable for
	XL1-Blue electroporation No specific test data related to reactivity a this product or its ingredients.	vailable for
Chemical stability	: pUC 18 DNA Control Plasmid The product is stable. XL1-Blue electroporation The product is stable. competent cells	
Possibility of hazardous reactions	: pUC 18 DNA Control Plasmid Under normal conditions of storage and us hazardous reactions will not occur.	se,
	XL1-Blue electroporation competent cellsUnder normal conditions of storage and us hazardous reactions will not occur.	se,
Conditions to avoid	: pUC 18 DNA Control Plasmid No specific data. XL1-Blue electroporation No specific data. competent cells	
Incompatible materials	: pUC 18 DNA Control Plasmid May react or be incompatible with oxidizin XL1-Blue electroporation May react or be incompatible with oxidizin competent cells	
Hazardous decomposition products	pUC 18 DNA Control Plasmid Under normal conditions of storage and us hazardous decomposition products should produced.	
	XL1-Blue electroporation competent cells Under normal conditions of storage and us hazardous decomposition products should produced.	

Section 11. Toxicological information

Information on toxicological effects

Result	:	Species	Dos	9	Exposure
LD50 Oral		Rat	1260	00 mg/kg	-
Result	Speci	es Sco	ore	Exposure	Observation
Eyes - Mild irritant Skin - Mild irritant				24 hours 500 mg 24 hours 500 mg	
		i			
: Not available.					
	LD50 Oral Result Eyes - Mild irritant Skin - Mild irritant	LD50 Oral I Result Speci Eyes - Mild irritant Rabbit Skin - Mild irritant Rabbit	LD50 Oral Rat Result Species Sci Eyes - Mild irritant Rabbit - Skin - Mild irritant Rabbit -	LD50 OralRat1260ResultSpeciesScoreEyes - Mild irritantRabbit-Skin - Mild irritantRabbit-	LD50 Oral Rat 12600 mg/kg Result Species Score Exposure Eyes - Mild irritant Rabbit - 24 hours 500 mg Skin - Mild irritant Rabbit - 24 hours 500 mg Rabbit - 24 hours 500 mg

Section 11. Toxicological information

		0		
Conclusion/Summary	:	Not available.		
Teratogenicity				
Conclusion/Summary		Not available.		
Specific target organ toxicit	у (<u>single exposure)</u>		
Not available.				
Specific target organ toxicit	<u>у (</u>	<u>repeated exposure)</u>		
Not available.				
Aspiration hazard				
Not available.				
Information on the likely routes of exposure	:	pUC 18 DNA Control Plasmid XL1-Blue electroporation competent cells	Not available. Not available.	
Potential acute health effects				
Eye contact	:	pUC 18 DNA Control Plasmid XL1-Blue electroporation competent cells	No known significant effects or critical hazar No known significant effects or critical hazar	
Inhalation	:	•	No known significant effects or critical hazard No known significant effects or critical hazard	
Skin contact	:	pUC 18 DNA Control Plasmid XL1-Blue electroporation competent cells	No known significant effects or critical hazar No known significant effects or critical hazar	
Ingestion	:	pUC 18 DNA Control Plasmid XL1-Blue electroporation competent cells	No known significant effects or critical hazar No known significant effects or critical hazar	
Symptoms related to the phy		al chemical and toxicologic		
Eye contact		pUC 18 DNA Control Plasmid		
Lye contact	Ì	XL1-Blue electroporation competent cells	No specific data.	
Inhalation	:	pUC 18 DNA Control Plasmid XL1-Blue electroporation competent cells	No specific data. No specific data.	
Skin contact	:	pUC 18 DNA Control Plasmid XL1-Blue electroporation competent cells	No specific data. No specific data.	
Ingestion	:	pUC 18 DNA Control Plasmid XL1-Blue electroporation competent cells	No specific data. No specific data.	
Delayed and immediate effec	ts	and also chronic effects from	n short and long term exposure	
<u>Short term exposure</u>				
Potential immediate effects	:	Not available.		
Potential delayed effects	:	Not available.		
Long term exposure				
Potential immediate effects	:	Not available.		
Potential delayed effects	÷	Not available.		
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Section 11. Toxicological information

Potential chronic health effects

General	: pUC 18 DNA Control Plasmid No known significant effects or critical hazards. XL1-Blue electroporation No known significant effects or critical hazards. competent cells
Carcinogenicity	: pUC 18 DNA Control Plasmid No known significant effects or critical hazards. XL1-Blue electroporation No known significant effects or critical hazards. competent cells
Mutagenicity	: pUC 18 DNA Control Plasmid No known significant effects or critical hazards. XL1-Blue electroporation No known significant effects or critical hazards. competent cells
Reproductive toxicity	: pUC 18 DNA Control Plasmid No known significant effects or critical hazards. XL1-Blue electroporation No known significant effects or critical hazards. competent cells

Numerical measures of toxicity

Acute toxicity estimates

Product/ingredient name	Oral (mg/ kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapors) (mg/l)	Inhalation (dusts and mists) (mg/l)
XL1-Blue electroporation competent cells Glycerol	12600	N/A	N/A	N/A	N/A

Section 12. Ecological information

Toxicity			
Product/ingredient name	Result	Species	Exposure
XL1-Blue electroporation competent cells Glycerol	Acute LC50 54000 mg/l Fresh water	Fish - Oncorhynchus mykiss	96 hours

Persistence and degradability

Product/ingredient name	Test	Result	Dose	Inoculum
XL1-Blue electroporation competent cells Glycerol	301D Ready Biodegradability - Closed Bottle Test	93 % - 30 days	-	-

Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
XL1-Blue electroporation competent cells	4.70		1
Glycerol	-1.76	-	Low

Mobility in soil

Soil/water partition coefficient (Koc)

: Not available.

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Section 12. Ecological information

Other adverse effects

: No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal methods : The generation of waste should be avoided or minimized 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 spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

TDG / IMDG / IATA	:	Not regulated.
Special precautions for user	:	Transport within user's premises: 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.
Transport in bulk according to IMO instruments	:	Not available.

Section 15. Regulatory information

<u>Canadian lists</u>	
Canadian NPRI	: None of the components are listed.
CEPA Toxic substances	: None of the components are listed.
International regulations	
Chemical Weapon Conven	tion List Schedules I, II & III Chemicals
Not listed.	
Montreal Protocol	
Not listed.	
Stockholm Convention on Not listed.	Persistent Organic Pollutants
Rotterdam Convention on	Prior Informed Consent (PIC)
Not listed.	
UNECE Aarhus Protocol o Not listed.	n POPs and Heavy Metals
Inventory list	
Canada	: All components are listed or exempted.
United States	: All components are active or exempted.

Section 16. Other information

<u>History</u>	
Date of issue/Date of revision	: 06/30/2023
Date of previous issue	: 03/23/2020
Version	: 7
Key to abbreviations	: ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor GHS = Globally Harmonized System of Classification and Labelling of Chemicals HPR = Hazardous Products Regulations IATA = International Air Transport Association IBC = Internediate Bulk Container IMDG = International Maritime Dangerous Goods LogPow = logarithm of the octanol/water partition coefficient MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution) N/A = Not available UN = United Nations

Procedure used to derive the classification

Classification	Justification
Not classified.	

✓ Indicates information that has changed from previously issued version.

Notice to reader

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