Conforms to US OSHA Hazard Communication 29CFR1910.1200

SAFETY DATA SHEET

Agilent Technologies

SureSelect cDNA Module (Pre PCR), 96 Reactions, Part Number 5500-0149

Section 1. Identification

1.1 Product identifier

Product name : SureSelect cDNA Module (Pre PCR), 96 Reactions, Part Number 5500-0149

Part no. (chemical kit) : 5500-0149

Part no. :

2X Priming Buffer	5191-6842
First Strand Master Mix	5191-6843
Second Strand Enzyme Mix	5190-7764
Second Strand Oligo Mix	5190-7765

Validation date : 6/29/2023

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses : Analytical reagent.
For research use only.

2X Priming Buffer	1.3 ml (96 reactions)
First Strand Master Mix	0.816 ml (96 reactions)
Second Strand Enzyme Mix	2.8 ml (96 reactions)
Second Strand Oligo Mix	0.6 ml (96 reactions)

Uses advised against : Not for use in diagnostic procedures.

1.3 Details of the supplier of the safety data sheet

Supplier/Manufacturer : Agilent Technologies, Inc.
5301 Stevens Creek Blvd
Santa Clara, CA 95051, USA
800-227-9770

1.4 Emergency telephone number

In case of emergency : CHEMTREC®: 1-800-424-9300

Section 2. Hazards identification

2.1 Classification of the substance or mixture

OSHA/HCS status :

2X Priming Buffer	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
First Strand Master Mix	This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
Second Strand Enzyme Mix	This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
Second Strand Oligo Mix	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

Classification of the substance or mixture

Section 2. Hazards identification

First Strand Master Mix
H320 EYE IRRITATION - Category 2B

Second Strand Enzyme Mix
H320 EYE IRRITATION - Category 2B

2.2 GHS label elements

Signal word	2X Priming Buffer	No signal word.
	First Strand Master Mix	Warning
	Second Strand Enzyme Mix	Warning
	Second Strand Oligo Mix	No signal word.
Hazard statements	2X Priming Buffer	No known significant effects or critical hazards.
	First Strand Master Mix	H320 - Causes eye irritation.
	Second Strand Enzyme Mix	H320 - Causes eye irritation.
	Second Strand Oligo Mix	No known significant effects or critical hazards.

Precautionary statements

Prevention	2X Priming Buffer	Not applicable.
	First Strand Master Mix	Not applicable.
	Second Strand Enzyme Mix	Not applicable.
	Second Strand Oligo Mix	Not applicable.
Response	2X Priming Buffer	Not applicable.
	First Strand Master Mix	P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 - If eye irritation persists: Get medical advice or attention.
	Second Strand Enzyme Mix	P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 - If eye irritation persists: Get medical advice or attention.
	Second Strand Oligo Mix	Not applicable.
Storage	2X Priming Buffer	Not applicable.
	First Strand Master Mix	Not applicable.
	Second Strand Enzyme Mix	Not applicable.
	Second Strand Oligo Mix	Not applicable.
Disposal	2X Priming Buffer	Not applicable.
	First Strand Master Mix	Not applicable.
	Second Strand Enzyme Mix	Not applicable.
	Second Strand Oligo Mix	Not applicable.
Supplemental label elements	2X Priming Buffer	None known.
	First Strand Master Mix	None known.
	Second Strand Enzyme Mix	None known.
	Second Strand Oligo Mix	None known.

2.3 Other hazards

Hazards not otherwise classified	2X Priming Buffer	None known.
	First Strand Master Mix	None known.
	Second Strand Enzyme Mix	None known.
	Second Strand Oligo Mix	None known.

Section 3. Composition/information on ingredients

Substance/mixture : 2X Priming Buffer — Mixture
First Strand Master Mix — Mixture
Second Strand Enzyme Mix — Mixture
Second Strand Oligo Mix — Mixture

Ingredient name	%	CAS number
2X Priming Buffer		
Potassium chloride	≤3	7447-40-7
First Strand Master Mix		
Glycerol	≥10 - ≤25	56-81-5
Polyoxyethylene octyl phenyl ether	<0.1	9002-93-1
Second Strand Enzyme Mix		
Glycerol	≥10 - ≤25	56-81-5
Potassium chloride	≤3	7447-40-7
Polyoxyethylene octyl phenyl ether	<0.1	9002-93-1

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

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

4.1 Description of necessary first aid measures

Eye contact :

2X Priming Buffer — 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.

First Strand Master Mix — 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. If irritation persists, get medical attention.

Second Strand Enzyme Mix — 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. If irritation persists, get medical attention.

Second Strand Oligo Mix — 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.

Section 4. First aid measures

Inhalation	:	2X Priming Buffer	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
		First Strand Master Mix	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
		Second Strand Enzyme Mix	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
		Second Strand Oligo Mix	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
Skin contact	:	2X Priming Buffer	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
		First Strand Master Mix	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.
		Second Strand Enzyme Mix	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.
		Second Strand Oligo Mix	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
Ingestion	:	2X Priming Buffer	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.
		First Strand Master Mix	Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels

Section 4. First aid measures

	Second Strand Enzyme Mix	sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. 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.
	Second Strand Oligo Mix	

4.2 Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact	:	2X Priming Buffer	No known significant effects or critical hazards.
		First Strand Master Mix	Causes eye irritation.
		Second Strand Enzyme Mix	Causes eye irritation.
		Second Strand Oligo Mix	No known significant effects or critical hazards.
Inhalation	:	2X Priming Buffer	No known significant effects or critical hazards.
		First Strand Master Mix	No known significant effects or critical hazards.
		Second Strand Enzyme Mix	No known significant effects or critical hazards.
		Second Strand Oligo Mix	No known significant effects or critical hazards.
Skin contact	:	2X Priming Buffer	No known significant effects or critical hazards.
		First Strand Master Mix	No known significant effects or critical hazards.
		Second Strand Enzyme Mix	No known significant effects or critical hazards.
		Second Strand Oligo Mix	No known significant effects or critical hazards.
Ingestion	:	2X Priming Buffer	No known significant effects or critical hazards.
		First Strand Master Mix	No known significant effects or critical hazards.
		Second Strand Enzyme Mix	No known significant effects or critical hazards.
		Second Strand Oligo Mix	No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact	:	2X Priming Buffer	No specific data.
		First Strand Master Mix	Adverse symptoms may include the following: irritation watering redness
		Second Strand Enzyme Mix	Adverse symptoms may include the following: irritation

Section 4. First aid measures

			watering redness
		Second Strand Oligo Mix	No specific data.
Inhalation	:	2X Priming Buffer	No specific data.
		First Strand Master Mix	No specific data.
		Second Strand Enzyme Mix	No specific data.
		Second Strand Oligo Mix	No specific data.
Skin contact	:	2X Priming Buffer	No specific data.
		First Strand Master Mix	No specific data.
		Second Strand Enzyme Mix	No specific data.
		Second Strand Oligo Mix	No specific data.
Ingestion	:	2X Priming Buffer	No specific data.
		First Strand Master Mix	No specific data.
		Second Strand Enzyme Mix	No specific data.
		Second Strand Oligo Mix	No specific data.

4.3 Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician	:	2X Priming Buffer	In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
		First Strand Master Mix	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
		Second Strand Enzyme Mix	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
		Second Strand Oligo Mix	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments	:	2X Priming Buffer	No specific treatment.
		First Strand Master Mix	No specific treatment.
		Second Strand Enzyme Mix	No specific treatment.
		Second Strand Oligo Mix	No specific treatment.
Protection of first-aiders	:	2X Priming Buffer	No action shall be taken involving any personal risk or without suitable training.
		First Strand Master Mix	No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.
		Second Strand Enzyme Mix	No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.
		Second Strand Oligo Mix	No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media	:	2X Priming Buffer	Use an extinguishing agent suitable for the surrounding fire.
		First Strand Master Mix	Use an extinguishing agent suitable for the surrounding fire.
		Second Strand Enzyme Mix	Use an extinguishing agent suitable for the surrounding fire.
		Second Strand Oligo Mix	Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media	:	2X Priming Buffer	None known.
		First Strand Master Mix	None known.
		Second Strand Enzyme Mix	None known.
		Second Strand Oligo Mix	None known.

5.2 Special hazards arising from the substance or mixture

Specific hazards arising from the chemical	:	2X Priming Buffer	In a fire or if heated, a pressure increase will occur and the container may burst.
		First Strand Master Mix	In a fire or if heated, a pressure increase will occur and the container may burst.
		Second Strand Enzyme Mix	In a fire or if heated, a pressure increase will occur and the container may burst.
		Second Strand Oligo Mix	In a fire or if heated, a pressure increase will occur and the container may burst.
Hazardous thermal decomposition products	:	2X Priming Buffer	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides halogenated compounds metal oxide/oxides
		First Strand Master Mix	Decomposition products may include the following materials: carbon dioxide carbon monoxide
		Second Strand Enzyme Mix	Decomposition products may include the following materials: carbon dioxide carbon monoxide halogenated compounds metal oxide/oxides
		Second Strand Oligo Mix	No specific data.

5.3 Advice for firefighters

Special protective actions for fire-fighters	:	2X Priming Buffer	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.
		First Strand Master Mix	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.
		Second Strand Enzyme Mix	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.
		Second Strand Oligo Mix	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No

Section 5. Fire-fighting measures

		action shall be taken involving any personal risk or without suitable training.
Special protective equipment for fire-fighters	: 2X Priming Buffer	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
	First Strand Master Mix	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
	Second Strand Enzyme Mix	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
	Second Strand Oligo Mix	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 procedures

For non-emergency personnel	: 2X Priming Buffer	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.
	First Strand Master Mix	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. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
	Second Strand Enzyme Mix	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. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
	Second Strand Oligo Mix	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	: 2X Priming Buffer	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".
	First Strand Master Mix	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".

Section 6. Accidental release measures

	Second Strand Enzyme Mix	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".
	Second Strand Oligo Mix	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".

6.2 Environmental precautions :

2X Priming Buffer	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).
First Strand Master 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).
Second Strand 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).
Second Strand Oligo 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).

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up :

2X Priming Buffer	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.
First Strand Master Mix	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.
Second Strand Enzyme Mix	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.
Second Strand Oligo Mix	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

7.1 Precautions for safe handling

Protective measures	:	2X Priming Buffer	Put on appropriate personal protective equipment (see Section 8).
		First Strand 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.
		Second Strand Enzyme 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.
		Second Strand Oligo Mix	Put on appropriate personal protective equipment (see Section 8).
Advice on general occupational hygiene	:	2X Priming Buffer	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.
		First Strand Master Mix	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.
		Second Strand Enzyme Mix	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.
		Second Strand Oligo Mix	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.
7.2 Conditions for safe storage, including any incompatibilities	:	2X Priming Buffer	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

Section 7. Handling and storage

	environmental contamination. See Section 10 for incompatible materials before handling or use.
First Strand 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. See Section 10 for incompatible materials before handling or use.
Second Strand Enzyme 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. See Section 10 for incompatible materials before handling or use.
Second Strand Oligo 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. See Section 10 for incompatible materials before handling or use.

7.3 Specific end use(s)

Recommendations	:	2X Priming Buffer	Industrial applications, Professional applications.
		First Strand Master Mix	Industrial applications, Professional applications.
		Second Strand Enzyme Mix	Industrial applications, Professional applications.
		Second Strand Oligo Mix	Industrial applications, Professional applications.
Industrial sector specific solutions	:	2X Priming Buffer	Not available.
		First Strand Master Mix	Not available.
		Second Strand Enzyme Mix	Not available.
		Second Strand Oligo Mix	Not available.

Section 8. Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

Section 8. Exposure controls/personal protection

Ingredient name	Exposure limits
2X Priming Buffer	
Potassium chloride	None.
First Strand Master Mix	
Glycerol	**OSHA PEL 1989 (United States, 3/1989).** TWA: 5 mg/m³ 8 hours. Form: Respirable fraction TWA: 10 mg/m³ 8 hours. Form: Total dust **OSHA PEL (United States, 5/2018).** TWA: 5 mg/m³ 8 hours. Form: Respirable fraction TWA: 15 mg/m³ 8 hours. Form: Total dust **CAL OSHA PEL (United States, 5/2018).** TWA: 5 mg/m³ 8 hours. Form: respirable fraction TWA: 10 mg/m³ 8 hours. Form: total dust
Polyoxyethylene octyl phenyl ether	None.
Second Strand Enzyme Mix	
Glycerol	**OSHA PEL 1989 (United States, 3/1989).** TWA: 5 mg/m³ 8 hours. Form: Respirable fraction TWA: 10 mg/m³ 8 hours. Form: Total dust **OSHA PEL (United States, 5/2018).** TWA: 5 mg/m³ 8 hours. Form: Respirable fraction TWA: 15 mg/m³ 8 hours. Form: Total dust **CAL OSHA PEL (United States, 5/2018).** TWA: 5 mg/m³ 8 hours. Form: respirable fraction TWA: 10 mg/m³ 8 hours. Form: total dust
Potassium chloride	None.
Polyoxyethylene octyl phenyl ether	None.

Biological exposure indices

No exposure indices known.

8.2 Exposure controls

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 measures

Hygiene measures : 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.

Section 8. Exposure controls/personal protection

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.

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.

Appearance

Physical state :	2X Priming Buffer	Liquid.
	First Strand Master Mix	Liquid.
	Second Strand Enzyme Mix	Liquid.
	Second Strand Oligo Mix	Liquid.
Color :	2X Priming Buffer	Not available.
	First Strand Master Mix	Not available.
	Second Strand Enzyme Mix	Not available.
	Second Strand Oligo Mix	Not available.
Odor :	2X Priming Buffer	Not available.
	First Strand Master Mix	Not available.
	Second Strand Enzyme Mix	Not available.
	Second Strand Oligo Mix	Not available.
Odor threshold :	2X Priming Buffer	Not available.
	First Strand Master Mix	Not available.
	Second Strand Enzyme Mix	Not available.
	Second Strand Oligo Mix	Not available.
pH :	2X Priming Buffer	8.3
	First Strand Master Mix	8.3
	Second Strand Enzyme Mix	8.3
	Second Strand Oligo Mix	7.5
Melting point/freezing point :	2X Priming Buffer	0°C (32°F)
	First Strand Master Mix	Not available.
	Second Strand Enzyme Mix	Not available.
	Second Strand Oligo Mix	Not available.
Boiling point, initial boiling point, and boiling range :	2X Priming Buffer	100°C (212°F)
	First Strand Master Mix	Not available.
	Second Strand Enzyme Mix	Not available.
	Second Strand Oligo Mix	Not available.
Flash point :		

Section 9. Physical and chemical properties and safety characteristics

Ingredient name	Closed cup °C	Closed cup °F	Closed cup Method	Open cup °C	Open cup °F	Open cup Method
First Strand Master Mix						
Glycerol	-	-	-	177	350.6	-
Second Strand Enzyme Mix						
Glycerol	-	-	-	177	350.6	-

Evaporation rate :

2X Priming Buffer	Not available.
First Strand Master Mix	Not available.
Second Strand Enzyme Mix	Not available.
Second Strand Oligo Mix	Not available.

Flammability :

2X Priming Buffer	Not applicable.
First Strand Master Mix	Not applicable.
Second Strand Enzyme Mix	Not applicable.
Second Strand Oligo Mix	Not applicable.

Lower and upper explosion limit/flammability limit :

2X Priming Buffer	Not available.
First Strand Master Mix	Not available.
Second Strand Enzyme Mix	Not available.
Second Strand Oligo Mix	Not available.

Vapor pressure :

Ingredient name	Vapor Pressure at 20°C mm Hg	Vapor Pressure at 20°C kPa	Vapor Pressure at 20°C Method	Vapor pressure at 50°C mm Hg	Vapor pressure at 50°C kPa	Vapor pressure at 50°C Method
2X Priming Buffer						
water	17.5	2.3	-	92.258	12.3	-
2-Amino-2-(hydroxymethyl) propane-1,3-diol hydrochloride	0	0	-	0.000007501	0.000001	-
First Strand Master Mix						
water	17.5	2.3	-	92.258	12.3	-
Glycerol	0.000075	0.00001	-	0.0025	0.00033	-
Second Strand Enzyme Mix						
water	17.5	2.3	-	92.258	12.3	-
Glycerol	0.000075	0.00001	-	0.0025	0.00033	-
Second Strand Oligo Mix						
water	17.5	2.3	-	92.258	12.3	-

Section 9. Physical and chemical properties and safety characteristics

Relative vapor density :

2X Priming Buffer	Not available.
First Strand Master Mix	Not available.
Second Strand Enzyme Mix	Not available.
Second Strand Oligo Mix	Not available.

Relative density :

2X Priming Buffer	Not available.
First Strand Master Mix	Not available.
Second Strand Enzyme Mix	Not available.
Second Strand Oligo Mix	Not available.

Solubility(ies) :

Media	Result
2X Priming Buffer	
water	Soluble
First Strand Master Mix	
water	Soluble
Second Strand Enzyme Mix	
water	Soluble
Second Strand Oligo Mix	
water	Soluble

Partition coefficient: n-octanol/water :

2X Priming Buffer	Not applicable.
First Strand Master Mix	Not applicable.
Second Strand Enzyme Mix	Not applicable.
Second Strand Oligo Mix	Not applicable.

Auto-ignition temperature :

Ingredient name	°C	°F	Method
First Strand Master Mix			
Glycerol	370	698	-
Second Strand Enzyme Mix			
Glycerol	370	698	-

Decomposition temperature :

2X Priming Buffer	Not available.
First Strand Master Mix	Not available.
Second Strand Enzyme Mix	Not available.
Second Strand Oligo Mix	Not available.

Viscosity :

2X Priming Buffer	Not available.
First Strand Master Mix	Not available.
Second Strand Enzyme Mix	Not available.
Second Strand Oligo Mix	Not available.

Particle characteristics

Median particle size :

2X Priming Buffer	Not applicable.
First Strand Master Mix	Not applicable.
Second Strand Enzyme Mix	Not applicable.
Second Strand Oligo Mix	Not applicable.

Section 10. Stability and reactivity

10.1 Reactivity :

2X Priming Buffer	No specific test data related to reactivity available for this product or its ingredients.
First Strand Master Mix	No specific test data related to reactivity available for this product or its ingredients.
Second Strand Enzyme Mix	No specific test data related to reactivity available for this product or its ingredients.
Second Strand Oligo Mix	No specific test data related to reactivity available for this product or its ingredients.

Section 10. Stability and reactivity

10.2 Chemical stability :

2X Priming Buffer	The product is stable.
First Strand Master Mix	The product is stable.
Second Strand Enzyme Mix	The product is stable.
Second Strand Oligo Mix	The product is stable.

10.3 Possibility of hazardous reactions :

2X Priming Buffer	Under normal conditions of storage and use, hazardous reactions will not occur.
First Strand Master Mix	Under normal conditions of storage and use, hazardous reactions will not occur.
Second Strand Enzyme Mix	Under normal conditions of storage and use, hazardous reactions will not occur.
Second Strand Oligo Mix	Under normal conditions of storage and use, hazardous reactions will not occur.

10.4 Conditions to avoid :

2X Priming Buffer	No specific data.
First Strand Master Mix	No specific data.
Second Strand Enzyme Mix	No specific data.
Second Strand Oligo Mix	No specific data.

10.5 Incompatible materials :

2X Priming Buffer	May react or be incompatible with oxidizing materials.
First Strand Master Mix	May react or be incompatible with oxidizing materials.
Second Strand Enzyme Mix	May react or be incompatible with oxidizing materials.
Second Strand Oligo Mix	May react or be incompatible with oxidizing materials.

10.6 Hazardous decomposition products :

2X Priming Buffer	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
First Strand Master Mix	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Second Strand Enzyme Mix	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Second Strand Oligo 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
2X Priming Buffer				
Potassium chloride	LD50 Oral	Rat	2600 mg/kg	-
First Strand Master Mix				
Glycerol	LD50 Oral	Rat	12600 mg/kg	-
Polyoxyethylene octyl phenyl ether	LD50 Oral	Rat	1800 mg/kg	-
Second Strand Enzyme Mix				
Glycerol	LD50 Oral	Rat	12600 mg/kg	-
Potassium chloride	LD50 Oral	Rat	2600 mg/kg	-

Section 11. Toxicological information

Polyoxyethylene octyl phenyl ether	LD50 Oral	Rat	1800 mg/kg	-

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
2X Priming Buffer					
Potassium chloride	Eyes - Mild irritant	Rabbit	-	24 hours 500 mg	-
First Strand Master Mix					
Glycerol	Eyes - Mild irritant	Rabbit	-	24 hours 500 mg	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 mg	-
Polyoxyethylene octyl phenyl ether	Skin - Mild irritant	Rabbit	-	24 hours 500 uL	-
Second Strand Enzyme Mix					
Glycerol	Eyes - Mild irritant	Rabbit	-	24 hours 500 mg	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 mg	-
Potassium chloride	Eyes - Mild irritant	Rabbit	-	24 hours 500 mg	-
Polyoxyethylene octyl phenyl ether	Skin - Mild irritant	Rabbit	-	24 hours 500 uL	-

Sensitization

Not available.

Mutagenicity

Conclusion/Summary : Not available.

Carcinogenicity

Conclusion/Summary : Not available.

Reproductive toxicity

Conclusion/Summary : Not available.

Teratogenicity

Conclusion/Summary : Not available.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Information on the likely routes of exposure :

2X Priming Buffer	Not available.
First Strand Master Mix	Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.
Second Strand Enzyme Mix	Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.
Second Strand Oligo Mix	Not available.

Potential acute health effects

Section 11. Toxicological information

Eye contact	:	2X Priming Buffer	No known significant effects or critical hazards.
		First Strand Master Mix	Causes eye irritation.
		Second Strand Enzyme Mix	Causes eye irritation.
		Second Strand Oligo Mix	No known significant effects or critical hazards.
Inhalation	:	2X Priming Buffer	No known significant effects or critical hazards.
		First Strand Master Mix	No known significant effects or critical hazards.
		Second Strand Enzyme Mix	No known significant effects or critical hazards.
		Second Strand Oligo Mix	No known significant effects or critical hazards.
Skin contact	:	2X Priming Buffer	No known significant effects or critical hazards.
		First Strand Master Mix	No known significant effects or critical hazards.
		Second Strand Enzyme Mix	No known significant effects or critical hazards.
		Second Strand Oligo Mix	No known significant effects or critical hazards.
Ingestion	:	2X Priming Buffer	No known significant effects or critical hazards.
		First Strand Master Mix	No known significant effects or critical hazards.
		Second Strand Enzyme Mix	No known significant effects or critical hazards.
		Second Strand Oligo Mix	No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact	:	2X Priming Buffer	No specific data.
		First Strand Master Mix	Adverse symptoms may include the following: irritation watering redness
		Second Strand Enzyme Mix	Adverse symptoms may include the following: irritation watering redness
		Second Strand Oligo Mix	No specific data.
Inhalation	:	2X Priming Buffer	No specific data.
		First Strand Master Mix	No specific data.
		Second Strand Enzyme Mix	No specific data.
		Second Strand Oligo Mix	No specific data.
Skin contact	:	2X Priming Buffer	No specific data.
		First Strand Master Mix	No specific data.
		Second Strand Enzyme Mix	No specific data.
		Second Strand Oligo Mix	No specific data.
Ingestion	:	2X Priming Buffer	No specific data.
		First Strand Master Mix	No specific data.
		Second Strand Enzyme Mix	No specific data.
		Second Strand Oligo Mix	No specific data.

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Long term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Potential chronic health effects

General	:	2X Priming Buffer	No known significant effects or critical hazards.
		First Strand Master Mix	No known significant effects or critical hazards.
		Second Strand Enzyme Mix	No known significant effects or critical hazards.
		Second Strand Oligo Mix	No known significant effects or critical hazards.

Section 11. Toxicological information

Carcinogenicity	:	2X Priming Buffer	No known significant effects or critical hazards.
		First Strand Master Mix	No known significant effects or critical hazards.
		Second Strand Enzyme Mix	No known significant effects or critical hazards.
		Second Strand Oligo Mix	No known significant effects or critical hazards.
Mutagenicity	:	2X Priming Buffer	No known significant effects or critical hazards.
		First Strand Master Mix	No known significant effects or critical hazards.
		Second Strand Enzyme Mix	No known significant effects or critical hazards.
		Second Strand Oligo Mix	No known significant effects or critical hazards.
Reproductive toxicity	:	2X Priming Buffer	No known significant effects or critical hazards.
		First Strand Master Mix	No known significant effects or critical hazards.
		Second Strand Enzyme Mix	No known significant effects or critical hazards.
		Second Strand Oligo Mix	No known significant effects or critical hazards.

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)
2X Priming Buffer					
2X Priming Buffer	232558.1	N/A	N/A	N/A	N/A
Potassium chloride	2600	N/A	N/A	N/A	N/A
First Strand Master Mix					
Glycerol	12600	N/A	N/A	N/A	N/A
Polyoxyethylene octyl phenyl ether	1800	N/A	N/A	N/A	N/A
Second Strand Enzyme Mix					
Second Strand Enzyme Mix	192592.6	N/A	N/A	N/A	N/A
Glycerol	12600	N/A	N/A	N/A	N/A
Potassium chloride	2600	N/A	N/A	N/A	N/A
Polyoxyethylene octyl phenyl ether	1800	N/A	N/A	N/A	N/A

Section 12. Ecological information

12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
2X Priming Buffer			
Potassium chloride	Acute EC50 9.24 g/L Fresh water	Algae - *Desmodesmus subspicatus*	72 hours
	Acute EC50 1337000 µg/l Fresh water	Algae - *Navicula seminulum*	96 hours
	Acute LC50 9.68 mg/l Fresh water	Crustaceans - *Pseudosida ramosa* - Neonate	48 hours
	Acute LC50 93000 µg/l Fresh water	Daphnia - *Daphnia magna*	48 hours
	Acute LC50 509.65 mg/l Fresh water	Fish - *Danio rerio*	96 hours
First Strand Master Mix			
Glycerol	Acute LC50 54000 mg/l Fresh water	Fish - *Oncorhynchus mykiss*	96 hours
Polyoxyethylene octyl phenyl ether	Acute LC50 5.85 mg/l Fresh water	Crustaceans - *Ceriodaphnia rigaudi* - Neonate	48 hours
	Acute LC50 11.2 mg/l Fresh water	Daphnia - *Daphnia magna* - Neonate	48 hours
	Acute LC50 4500 µg/l Fresh water	Fish - *Pimephales promelas*	96 hours
	Chronic NOEC 0.004 mg/l Fresh water	Fish - *Gambusia holbrooki*	28 days

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Second Strand Enzyme Mix			
Glycerol	Acute LC50 54000 mg/l Fresh water	Fish - *Oncorhynchus mykiss*	96 hours
Potassium chloride	Acute EC50 9.24 g/L Fresh water	Algae - *Desmodesmus subspicatus*	72 hours
	Acute EC50 1337000 µg/l Fresh water	Algae - *Navicula seminulum*	96 hours
	Acute LC50 9.68 mg/l Fresh water	Crustaceans - *Pseudosida ramosa* - Neonate	48 hours
	Acute LC50 93000 µg/l Fresh water	Daphnia - *Daphnia magna*	48 hours
	Acute LC50 509.65 mg/l Fresh water	Fish - *Danio rerio*	96 hours
Polyoxyethylene octyl phenyl ether	Acute LC50 5.85 mg/l Fresh water	Crustaceans - *Ceriodaphnia rigaudi* - Neonate	48 hours
	Acute LC50 11.2 mg/l Fresh water	Daphnia - *Daphnia magna* - Neonate	48 hours
	Acute LC50 4500 µg/l Fresh water	Fish - *Pimephales promelas*	96 hours
	Chronic NOEC 0.004 mg/l Fresh water	Fish - *Gambusia holbrooki*	28 days

12.2 Persistence and degradability

Product/ingredient name	Test	Result	Dose	Inoculum
First Strand Master Mix				
Glycerol	301D Ready Biodegradability - Closed Bottle Test	93 % - 30 days	-	-
Second Strand Enzyme Mix				
Glycerol	301D Ready Biodegradability - Closed Bottle Test	93 % - 30 days	-	-

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
2X Priming Buffer			
Potassium chloride	-	-	Readily
First Strand Master Mix			
Polyoxyethylene octyl phenyl ether	-	-	Readily
Second Strand Enzyme Mix			
Potassium chloride	-	-	Readily
Polyoxyethylene octyl phenyl ether	-	-	Readily

12.3 Bioaccumulative potential

Product/ingredient name	$LogP_{ow}$	BCF	Potential
2X Priming Buffer			
Potassium chloride	-0.46	-	Low
First Strand Master Mix			
Glycerol	-1.76	-	Low
Polyoxyethylene octyl phenyl ether	4.86	-	High
Second Strand Enzyme Mix			
Glycerol	-1.76	-	Low

Section 12. Ecological information

Potassium chloride Polyoxyethylene octyl phenyl ether	-0.46 4.86	- -	Low High

12.4 Mobility in soil

Soil/water partition coefficient (K_{OC}) : Not available.

12.5 Other adverse effects : No known significant effects or critical hazards.

Section 13. Disposal considerations

13.1 Waste treatment methods

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.

Disposal should be in accordance with applicable regional, national and local laws and regulations. Local regulations may be more stringent than regional or national requirements.

The information presented below only applies to the material as supplied. The identification based on characteristic(s) or listing may not apply if the material has been used or otherwise contaminated. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.

Section 14. Transport information

DOT / TDG / Mexico / 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

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

U.S. Federal regulations : **TSCA 8(a) PAIR**: Polyoxyethylene octyl phenyl ether

TSCA 8(a) CDR Exempt/Partial exemption: Not determined

Clean Water Act (CWA) 311: Edetic acid

Section 15. Regulatory information

Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs) : Not listed

Clean Air Act Section 602 Class I Substances : Not listed

Clean Air Act Section 602 Class II Substances : Not listed

DEA List I Chemicals (Precursor Chemicals) : Not listed

DEA List II Chemicals (Essential Chemicals) : Not listed

SARA 302/304

Composition/information on ingredients

No products were found.

SARA 304 RQ : Not applicable.

SARA 311/312

Classification :

2X Priming Buffer	Not applicable.
First Strand Master Mix	EYE IRRITATION - Category 2B
Second Strand Enzyme Mix	EYE IRRITATION - Category 2B
Second Strand Oligo Mix	Not applicable.

Composition/information on ingredients

Name	%	Classification
2X Priming Buffer		
Potassium chloride	≤3	EYE IRRITATION - Category 2B
First Strand Master Mix		
Glycerol	≥10 - ≤25	EYE IRRITATION - Category 2B
Second Strand Enzyme Mix		
Glycerol	≥10 - ≤25	EYE IRRITATION - Category 2B
Potassium chloride	≤3	EYE IRRITATION - Category 2B

State regulations

Massachusetts : The following components are listed: GLYCERINE MIST

New York : None of the components are listed.

New Jersey : The following components are listed: GLYCERIN

Pennsylvania : The following components are listed: 1,2,3-PROPANETRIOL

California Prop. 65

⚠ **WARNING**: This product can expose you to Actinomycin D, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Ingredient name	No significant risk level	Maximum acceptable dosage level
First Strand Master Mix		
Actinomycin D	Yes.	-

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

Montreal Protocol

Section 15. Regulatory information

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

Inventory list

Australia : Not determined.

Canada : Not determined.

China : Not determined.

Japan : **Japan inventory (CSCL)**: Not determined.
Japan inventory (ISHL): Not determined.

New Zealand : Not determined.

Philippines : Not determined.

Republic of Korea : Not determined.

Taiwan : Not determined.

Thailand : Not determined.

Turkey : Not determined.

United States : Not determined.

Viet Nam : Not determined.

Section 16. Other information

Procedure used to derive the classification

Classification	Justification
First Strand Master Mix EYE IRRITATION - Category 2B	Calculation method
Second Strand Enzyme Mix EYE IRRITATION - Category 2B	Calculation method

History

Date of issue/Date of revision : 06/29/2023

Date of previous issue : 07/27/2020

Version : 2

Key to abbreviations : ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC = Intermediate 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

Indicates information that has changed from previously issued version.

Notice to reader

Section 16. Other information

Disclaimer: The information contained in this document is based on Agilent's state of knowledge at the time of preparation. No warranty as to its accurateness, completeness or suitability for a particular purpose is expressed or implied.