

SAFETY DATA SHEET

SureSelect Target Enrichment Kit PE - Indexing Hyb Module Box #2 - 250 Reactions

SECTION 1: Identification of the substance/mixture and of the company/ undertaking

1.1 Product identifier

Product name	: SureSelect Target Enrichment Kit PE - Indexing Hyb Module Box #2 - 250 Reactions
Part No. (Kit)	: 5190-2333
Part No.	: SureSelect RNase Block 5190-1974
	SureSelect GA Indexing 5972-3604
	Pre Capture PCR
	Reverse Primer
	SureSelect GA Indexing 5972-3606
	Post Capture PCR
	Forward Primer
	SureSelect Hyb #3 5190-1980
	SureSelect Block #2 5190-1991
	SureSelect Block #1 5190-1990 / 5972-3655
	SureSelect Indexing 5972-3605 / 5972-3624
	Block #3

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

Identified uses	
Analytical reagent.	
SureSelect RNase Block	0.25 ml - 10 ml
SureSelect GA Indexing Pre Capture PCR Reverse Primer	0.25 ml
SureSelect GA Indexing Post Capture PCR Forward Primer	0.25 ml
SureSelect Hyb #3	0.7 ml - 1.4 ml
SureSelect Block #2	0.67 ml - 26.8 ml
SureSelect Block #1	0.67 ml - 1.25 ml
SureSelect Indexing Block #3	0.15 ml

1.3 Details of the supplier of the safety data sheet

Agilent Technologies Manufacturing GmbH & Co. KG
Hewlett-Packard-Str. 8
76337 Waldbronn
Germany
0800 603 1000

e-mail address of person responsible for this SDS : pdl-msds_author@agilent.com

1.4 Emergency telephone number

Emergency telephone number (with hours of operation) : Chemtrec: +(44)-870-8200418

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Product definition	: SureSelect RNase Block Mixture
	SureSelect GA Indexing Mixture
	Pre Capture PCR
	Reverse Primer
	SureSelect GA Indexing Mixture
	Post Capture PCR
	Forward Primer
	SureSelect Hyb #3 Mixture

Date of issue/Date of revision : 13/03/2013

SECTION 2: Hazards identification

SureSelect Block #2 Mixture
 SureSelect Block #1 Mixture
 SureSelect Indexing Mixture
 Block #3

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

SureSelect RNase Block

H373 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE): INHALATION [kidneys] - Category 2

Ingredients of unknown toxicity :

- SureSelect RNase Block Not applicable.
- SureSelect GA Indexing Pre Capture PCR Reverse Primer Not applicable.
- SureSelect GA Indexing Post Capture PCR Forward Primer Not applicable.
- SureSelect Hyb #3 Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 3%
- SureSelect Block #2 Not applicable.
- SureSelect Block #1 Not applicable.
- SureSelect Indexing Block #3 Not applicable.

Ingredients of unknown ecotoxicity :

- SureSelect RNase Block Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 50%
- SureSelect GA Indexing Pre Capture PCR Reverse Primer Not applicable.
- SureSelect GA Indexing Post Capture PCR Forward Primer Not applicable.
- SureSelect Hyb #3 Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 3%
- SureSelect Block #2 Not applicable.
- SureSelect Block #1 Not applicable.
- SureSelect Indexing Block #3 Not applicable.

Classification according to Directive 1999/45/EC [DPD]

SureSelect RNase Block The product is not classified as dangerous according to Directive 1999/45/EC and its amendments.

SureSelect GA Indexing Pre Capture PCR Reverse Primer The product is not classified as dangerous according to Directive 1999/45/EC and its amendments.

SureSelect GA Indexing Post Capture PCR Forward Primer The product is not classified as dangerous according to Directive 1999/45/EC and its amendments.

SureSelect Hyb #3 The product is not classified as dangerous according to Directive 1999/45/EC and its amendments.

SureSelect Block #2 The product is not classified as dangerous according to Directive 1999/45/EC and its amendments.

SureSelect Block #1 The product is not classified as dangerous according to Directive 1999/45/EC and its amendments.

SureSelect Indexing Block #3 The product is not classified as dangerous according to Directive 1999/45/EC and its amendments.

Classification :

- SureSelect RNase Block Not classified.
- SureSelect GA Indexing Pre Capture PCR Reverse Primer Not classified.
- SureSelect GA Indexing Post Capture PCR Forward Primer Not classified.
- SureSelect Hyb #3 Not classified.
- SureSelect Block #2 Not classified.
- SureSelect Block #1 Not classified.
- SureSelect Indexing Block #3 Not classified.

SECTION 2: Hazards identification

See Section 16 for the full text of the R phrases or H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

2.2 Label elements**Hazard pictograms**

:

**Signal word**

- | | | |
|---|------------------------|-----------------|
| : | SureSelect RNase Block | Warning |
| | SureSelect GA Indexing | No signal word. |
| | Pre Capture PCR | |
| | Reverse Primer | |
| | SureSelect GA Indexing | No signal word. |
| | Post Capture PCR | |
| | Forward Primer | |
| | SureSelect Hyb #3 | No signal word. |
| | SureSelect Block #2 | No signal word. |
| | SureSelect Block #1 | No signal word. |
| | SureSelect Indexing | No signal word. |
| | Block #3 | |

Hazard statements

- | | | |
|---|------------------------|---|
| : | SureSelect RNase Block | GHS08 -
May cause damage to organs through prolonged or repeated exposure if inhaled. (kidneys) |
| | SureSelect GA Indexing | No known significant effects or critical hazards. |
| | Pre Capture PCR | |
| | Reverse Primer | |
| | SureSelect GA Indexing | No known significant effects or critical hazards. |
| | Post Capture PCR | |
| | Forward Primer | |
| | SureSelect Hyb #3 | No known significant effects or critical hazards. |
| | SureSelect Block #2 | No known significant effects or critical hazards. |
| | SureSelect Block #1 | No known significant effects or critical hazards. |
| | SureSelect Indexing | No known significant effects or critical hazards. |
| | Block #3 | |

Precautionary statements**Prevention**

- | | | |
|---|------------------------|------------------------|
| : | SureSelect RNase Block | Do not breathe vapour. |
| | SureSelect GA Indexing | Not applicable. |
| | Pre Capture PCR | |
| | Reverse Primer | |
| | SureSelect GA Indexing | Not applicable. |
| | Post Capture PCR | |
| | Forward Primer | |
| | SureSelect Hyb #3 | Not applicable. |
| | SureSelect Block #2 | Not applicable. |
| | SureSelect Block #1 | Not applicable. |
| | SureSelect Indexing | Not applicable. |
| | Block #3 | |

Response

- | | | |
|---|------------------------|---|
| : | SureSelect RNase Block | Get medical attention if you feel unwell. |
| | SureSelect GA Indexing | Not applicable. |
| | Pre Capture PCR | |
| | Reverse Primer | |
| | SureSelect GA Indexing | Not applicable. |
| | Post Capture PCR | |
| | Forward Primer | |
| | SureSelect Hyb #3 | Not applicable. |
| | SureSelect Block #2 | Not applicable. |
| | SureSelect Block #1 | Not applicable. |
| | SureSelect Indexing | Not applicable. |
| | Block #3 | |

SECTION 2: Hazards identification

Storage	:	SureSelect RNase Block	Not applicable.
		SureSelect GA Indexing	Not applicable.
		Pre Capture PCR	
		Reverse Primer	
		SureSelect GA Indexing	Not applicable.
		Post Capture PCR	
		Forward Primer	
		SureSelect Hyb #3	Not applicable.
		SureSelect Block #2	Not applicable.
		SureSelect Block #1	Not applicable.
		SureSelect Indexing	Not applicable.
		Block #3	
Disposal	:	SureSelect RNase Block	Dispose of contents and container in accordance with all local, regional, national and international regulations.
		SureSelect GA Indexing	Not applicable.
		Pre Capture PCR	
		Reverse Primer	
		SureSelect GA Indexing	Not applicable.
		Post Capture PCR	
		Forward Primer	
		SureSelect Hyb #3	Not applicable.
		SureSelect Block #2	Not applicable.
		SureSelect Block #1	Not applicable.
		SureSelect Indexing	Not applicable.
		Block #3	
Hazardous ingredients	:	SureSelect RNase Block	
		Glycerol	
Supplemental label elements	:	SureSelect RNase Block	Not applicable.
		SureSelect GA Indexing	Not applicable.
		Pre Capture PCR	
		Reverse Primer	
		SureSelect GA Indexing	Not applicable.
		Post Capture PCR	
		Forward Primer	
		SureSelect Hyb #3	Not applicable.
		SureSelect Block #2	Not applicable.
		SureSelect Block #1	Not applicable.
		SureSelect Indexing	Not applicable.
		Block #3	
<u>Special packaging requirements</u>			
Tactile warning of danger	:	SureSelect RNase Block	Not applicable.
		SureSelect GA Indexing	Not applicable.
		Pre Capture PCR	
		Reverse Primer	
		SureSelect GA Indexing	Not applicable.
		Post Capture PCR	
		Forward Primer	
		SureSelect Hyb #3	Not applicable.
		SureSelect Block #2	Not applicable.
		SureSelect Block #1	Not applicable.
		SureSelect Indexing	Not applicable.
		Block #3	
2.3 Other hazards			
Other hazards which do not result in classification	:	SureSelect RNase Block	None known.
		SureSelect GA Indexing	None known.
		Pre Capture PCR	
		Reverse Primer	
		SureSelect GA Indexing	None known.
		Post Capture PCR	
		Forward Primer	
		SureSelect Hyb #3	None known.
		SureSelect Block #2	None known.

SECTION 2: Hazards identification

SureSelect Block #1 None known.
 SureSelect Indexing None known.
 Block #3

SECTION 3: Composition/information on ingredients

Substance/mixture : SureSelect RNase Block Mixture
 SureSelect GA Indexing Mixture
 Pre Capture PCR
 Reverse Primer
 SureSelect GA Indexing Mixture
 Post Capture PCR
 Forward Primer
 SureSelect Hyb #3 Mixture
 SureSelect Block #2 Mixture
 SureSelect Block #1 Mixture
 SureSelect Indexing Mixture
 Block #3

Product/ingredient name	Identifiers	%	Classification		Type
			67/548/EEC	Regulation (EC) No. 1272/2008 [CLP]	
SureSelect RNase Block Glycerol	EC: 200-289-5 CAS: 56-81-5	50 - <75	Not classified.	STOT RE 2, H373 See Section 16 for the full text of the H statements declared above.	[1][2]

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

Type

- [1] Substance classified with a health or environmental hazard
- [2] Substance with a workplace exposure limit
- [3] Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII
- [4] Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII
- [5] Substance of equivalent concern

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

SECTION 4: First aid measures

4.1 Description of first aid measures

Eye contact : SureSelect RNase Block 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 following exposure or if feeling unwell.

SureSelect GA Indexing Pre Capture PCR 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.

Reverse Primer 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.

SureSelect GA Indexing Post Capture PCR 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.

Forward Primer 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.

SureSelect Hyb #3 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.

SureSelect Block #2 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.

SureSelect Block #1 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

	SureSelect Indexing Block #3	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
Inhalation	: SureSelect RNase Block	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 following exposure or if feeling unwell. 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.
	SureSelect GA Indexing Pre Capture PCR Reverse Primer	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	SureSelect GA Indexing Post Capture PCR Forward Primer	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	SureSelect Hyb #3	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.
	SureSelect Block #2	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	SureSelect Block #1	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	SureSelect Indexing Block #3	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
Skin contact	: SureSelect RNase Block	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention following exposure or if feeling unwell. Wash clothing before reuse. Clean shoes thoroughly before reuse.
	SureSelect GA Indexing Pre Capture PCR Reverse Primer	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	SureSelect GA Indexing Post Capture PCR Forward Primer	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	SureSelect Hyb #3	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	SureSelect Block #2	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	SureSelect Block #1	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	SureSelect Indexing Block #3	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
Ingestion	: SureSelect RNase Block	Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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

SECTION 4: First aid measures

SureSelect GA Indexing Pre Capture PCR Reverse Primer	lungs. Get medical attention following exposure or if feeling unwell. 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 victim to fresh air and keep at rest in a position comfortable for breathing. 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.
SureSelect GA Indexing Post Capture PCR Forward Primer	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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.
SureSelect Hyb #3	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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.
SureSelect Block #2	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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.
SureSelect Block #1	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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.
SureSelect Indexing Block #3	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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.
Protection of first-aiders : SureSelect RNase Block	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.
SureSelect GA Indexing Pre Capture PCR Reverse Primer	No action shall be taken involving any personal risk or without suitable training.
SureSelect GA Indexing Post Capture PCR Forward Primer	No action shall be taken involving any personal risk or without suitable training.
SureSelect Hyb #3	No action shall be taken involving any personal risk or without suitable training.
SureSelect Block #2	No action shall be taken involving any personal risk or without suitable training.
SureSelect Block #1	No action shall be taken involving any personal risk or without suitable training.
SureSelect Indexing Block #3	No action shall be taken involving any personal risk or without suitable training.

4.2 Most important symptoms and effects, both acute and delayed

Potential acute health effects

SECTION 4: First aid measures

Eye contact	:	SureSelect RNase Block	No known significant effects or critical hazards.
		SureSelect GA Indexing	No known significant effects or critical hazards.
		Pre Capture PCR	
		Reverse Primer	
		SureSelect GA Indexing	No known significant effects or critical hazards.
		Post Capture PCR	
		Forward Primer	
		SureSelect Hyb #3	No known significant effects or critical hazards.
		SureSelect Block #2	No known significant effects or critical hazards.
		SureSelect Block #1	No known significant effects or critical hazards.
SureSelect Indexing	No known significant effects or critical hazards.		
Block #3			
Inhalation	:	SureSelect RNase Block	No known significant effects or critical hazards.
		SureSelect GA Indexing	No known significant effects or critical hazards.
		Pre Capture PCR	
		Reverse Primer	
		SureSelect GA Indexing	No known significant effects or critical hazards.
		Post Capture PCR	
		Forward Primer	
		SureSelect Hyb #3	Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
		SureSelect Block #2	No known significant effects or critical hazards.
		SureSelect Block #1	No known significant effects or critical hazards.
SureSelect Indexing	No known significant effects or critical hazards.		
Block #3			
Skin contact	:	SureSelect RNase Block	No known significant effects or critical hazards.
		SureSelect GA Indexing	No known significant effects or critical hazards.
		Pre Capture PCR	
		Reverse Primer	
		SureSelect GA Indexing	No known significant effects or critical hazards.
		Post Capture PCR	
		Forward Primer	
		SureSelect Hyb #3	No known significant effects or critical hazards.
		SureSelect Block #2	No known significant effects or critical hazards.
		SureSelect Block #1	No known significant effects or critical hazards.
SureSelect Indexing	No known significant effects or critical hazards.		
Block #3			
Ingestion	:	SureSelect RNase Block	No known significant effects or critical hazards.
		SureSelect GA Indexing	No known significant effects or critical hazards.
		Pre Capture PCR	
		Reverse Primer	
		SureSelect GA Indexing	No known significant effects or critical hazards.
		Post Capture PCR	
		Forward Primer	
		SureSelect Hyb #3	No known significant effects or critical hazards.
		SureSelect Block #2	No known significant effects or critical hazards.
		SureSelect Block #1	No known significant effects or critical hazards.
SureSelect Indexing	No known significant effects or critical hazards.		
Block #3			

Over-exposure signs/symptoms

Eye contact	:	SureSelect RNase Block	No specific data.
		SureSelect GA Indexing	No specific data.
		Pre Capture PCR	
		Reverse Primer	
		SureSelect GA Indexing	No specific data.
		Post Capture PCR	
		Forward Primer	
		SureSelect Hyb #3	No specific data.
		SureSelect Block #2	No specific data.
		SureSelect Block #1	No specific data.
SureSelect Indexing	No specific data.		
Block #3			

SECTION 4: First aid measures

Inhalation	:	SureSelect RNase Block	No specific data.
		SureSelect GA Indexing	No specific data.
		Pre Capture PCR	
		Reverse Primer	
		SureSelect GA Indexing	No specific data.
		Post Capture PCR	
		Forward Primer	
		SureSelect Hyb #3	No specific data.
		SureSelect Block #2	No specific data.
		SureSelect Block #1	No specific data.
	SureSelect Indexing	No specific data.	
	Block #3		
Skin contact	:	SureSelect RNase Block	No specific data.
		SureSelect GA Indexing	No specific data.
		Pre Capture PCR	
		Reverse Primer	
		SureSelect GA Indexing	No specific data.
		Post Capture PCR	
		Forward Primer	
		SureSelect Hyb #3	No specific data.
		SureSelect Block #2	No specific data.
		SureSelect Block #1	No specific data.
	SureSelect Indexing	No specific data.	
	Block #3		
Ingestion	:	SureSelect RNase Block	No specific data.
		SureSelect GA Indexing	No specific data.
		Pre Capture PCR	
		Reverse Primer	
		SureSelect GA Indexing	No specific data.
		Post Capture PCR	
		Forward Primer	
		SureSelect Hyb #3	No specific data.
		SureSelect Block #2	No specific data.
		SureSelect Block #1	No specific data.
	SureSelect Indexing	No specific data.	
	Block #3		

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician	:	SureSelect RNase Block	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
		SureSelect GA Indexing	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
		Pre Capture PCR	
		Reverse Primer	
		SureSelect GA Indexing	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
		Post Capture PCR	
		Forward Primer	
		SureSelect Hyb #3	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.
		SureSelect Block #2	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
		SureSelect Block #1	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	SureSelect Indexing	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.	
	Block #3		
Specific treatments	:	SureSelect RNase Block	No specific treatment.
		SureSelect GA Indexing	No specific treatment.
		Pre Capture PCR	
		Reverse Primer	
		SureSelect GA Indexing	No specific treatment.
		Post Capture PCR	
	Forward Primer		
	SureSelect Hyb #3	No specific treatment.	
	SureSelect Block #2	No specific treatment.	

SECTION 4: First aid measures

SureSelect Block #1	No specific treatment.
SureSelect Indexing Block #3	No specific treatment.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media	SureSelect RNase Block	Use an extinguishing agent suitable for the surrounding fire.
	SureSelect GA Indexing Pre Capture PCR Reverse Primer	Use an extinguishing agent suitable for the surrounding fire.
	SureSelect GA Indexing Post Capture PCR Forward Primer	Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media	SureSelect Hyb #3	Use an extinguishing agent suitable for the surrounding fire.
	SureSelect Block #2	Use an extinguishing agent suitable for the surrounding fire.
	SureSelect Block #1	Use an extinguishing agent suitable for the surrounding fire.
	SureSelect Indexing Block #3	Use an extinguishing agent suitable for the surrounding fire.
	SureSelect RNase Block	None known.

SureSelect GA Indexing Pre Capture PCR Reverse Primer	None known.
SureSelect GA Indexing Post Capture PCR Forward Primer	None known.
SureSelect Hyb #3	None known.
SureSelect Block #2	None known.
SureSelect Block #1	None known.
SureSelect Indexing Block #3	None known.

5.2 Special hazards arising from the substance or mixture

Hazards from the substance or mixture	SureSelect RNase Block	In a fire or if heated, a pressure increase will occur and the container may burst.
	SureSelect GA Indexing Pre Capture PCR Reverse Primer	In a fire or if heated, a pressure increase will occur and the container may burst.
	SureSelect GA Indexing Post Capture PCR Forward Primer	In a fire or if heated, a pressure increase will occur and the container may burst.
	SureSelect Hyb #3	In a fire or if heated, a pressure increase will occur and the container may burst.
	SureSelect Block #2	In a fire or if heated, a pressure increase will occur and the container may burst.
	SureSelect Block #1	In a fire or if heated, a pressure increase will occur and the container may burst.
	SureSelect Indexing Block #3	In a fire or if heated, a pressure increase will occur and the container may burst.
Hazardous combustion products	SureSelect RNase Block	Decomposition products may include the following materials: carbon dioxide carbon monoxide
	SureSelect GA Indexing Pre Capture PCR Reverse Primer	No specific data.
	SureSelect GA Indexing Post Capture PCR Forward Primer	No specific data.
	SureSelect Hyb #3	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides halogenated compounds
	SureSelect Block #2	No specific data.

SECTION 5: Firefighting measures

SureSelect Block #1 No specific data.
 SureSelect Indexing No specific data.
 Block #3

5.3 Advice for firefighters

Special precautions for fire-fighters

: SureSelect RNase Block 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.

SureSelect GA Indexing Pre Capture PCR Reverse Primer 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.

SureSelect GA Indexing Post Capture PCR Forward Primer 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.

SureSelect Hyb #3 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.

SureSelect Block #2 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.

SureSelect Block #1 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.

SureSelect Indexing Block #3 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.

Special protective equipment for fire-fighters

: SureSelect RNase Block Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

SureSelect GA Indexing Pre Capture PCR Reverse Primer Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

SureSelect GA Indexing Post Capture PCR Forward Primer Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

SureSelect Hyb #3 Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

SureSelect Block #2 Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

SureSelect Block #1 Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

SureSelect Indexing Block #3 Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full

SECTION 5: Firefighting measures

face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures****For non-emergency personnel**

: SureSelect RNase Block

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

SureSelect GA Indexing
Pre Capture PCR
Reverse Primer

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.

SureSelect GA Indexing
Post Capture PCR
Forward Primer

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.

SureSelect Hyb #3

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.

SureSelect Block #2

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.

SureSelect Block #1

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.

SureSelect Indexing
Block #3

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.

For emergency responders

: SureSelect RNase Block

If specialised 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".

SureSelect GA Indexing
Pre Capture PCR
Reverse Primer

If specialised 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".

SureSelect GA Indexing
Post Capture PCR
Forward Primer

If specialised 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".

SureSelect Hyb #3

If specialised 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".

SureSelect Block #2

If specialised 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

SureSelect Block #1	If specialised 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".
SureSelect Indexing Block #3	If specialised 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

: SureSelect RNase Block	Avoid dispersal of spilt 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).
SureSelect GA Indexing Pre Capture PCR Reverse Primer	Avoid dispersal of spilt 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).
SureSelect GA Indexing Post Capture PCR Forward Primer	Avoid dispersal of spilt 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).
SureSelect Hyb #3	Avoid dispersal of spilt 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).
SureSelect Block #2	Avoid dispersal of spilt 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).
SureSelect Block #1	Avoid dispersal of spilt 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).
SureSelect Indexing Block #3	Avoid dispersal of spilt 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

: SureSelect RNase Block	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.
SureSelect GA Indexing Pre Capture PCR Reverse Primer	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.
SureSelect GA Indexing Post Capture PCR Forward Primer	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.
SureSelect Hyb #3	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.
SureSelect Block #2	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 6: Accidental release measures

SureSelect Block #1	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.
SureSelect Indexing Block #3	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.

6.4 Reference to other sections : See Section 1 for emergency contact information.
 See Section 8 for information on appropriate personal protective equipment.
 See Section 13 for additional waste treatment information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Protective measures	: SureSelect RNase Block	Put on appropriate personal protective equipment (see Section 8). Do not breathe vapour or mist. Do not ingest. Avoid contact with eyes, skin and clothing. 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.
	SureSelect GA Indexing Pre Capture PCR Reverse Primer	Put on appropriate personal protective equipment (see Section 8).
	SureSelect GA Indexing Post Capture PCR Forward Primer	Put on appropriate personal protective equipment (see Section 8).
	SureSelect Hyb #3	Put on appropriate personal protective equipment (see Section 8).
	SureSelect Block #2	Put on appropriate personal protective equipment (see Section 8).
	SureSelect Block #1	Put on appropriate personal protective equipment (see Section 8).
	SureSelect Indexing Block #3	Put on appropriate personal protective equipment (see Section 8).
Advice on general occupational hygiene	: SureSelect RNase Block	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.
	SureSelect GA Indexing Pre Capture PCR Reverse Primer	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.
	SureSelect GA Indexing Post Capture PCR Forward Primer	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.
	SureSelect Hyb #3	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.
	SureSelect Block #2	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.

SECTION 7: Handling and storage

SureSelect Block #1	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. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.
SureSelect Indexing Block #3	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. 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

: SureSelect RNase Block	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 unlabelled containers. Use appropriate containment to avoid environmental contamination.
SureSelect GA Indexing Pre Capture PCR Reverse Primer	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 unlabelled containers. Use appropriate containment to avoid environmental contamination.
SureSelect GA Indexing Post Capture PCR Forward Primer	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 unlabelled containers. Use appropriate containment to avoid environmental contamination.
SureSelect Hyb #3	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 unlabelled containers. Use appropriate containment to avoid environmental contamination.
SureSelect Block #2	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 unlabelled containers. Use appropriate containment to avoid environmental contamination.
SureSelect Block #1	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 7: Handling and storage

SureSelect Indexing Block #3

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 unlabelled containers. Use appropriate containment to avoid environmental contamination.

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 unlabelled containers. Use appropriate containment to avoid environmental contamination.

7.3 Specific end use(s)

Recommendations

- : SureSelect RNase Block Industrial applications, Professional applications.
- SureSelect GA Indexing Industrial applications, Professional applications.
- Pre Capture PCR
- Reverse Primer
- SureSelect GA Indexing Industrial applications, Professional applications.
- Post Capture PCR
- Forward Primer
- SureSelect Hyb #3 Industrial applications, Professional applications.
- SureSelect Block #2 Industrial applications, Professional applications.
- SureSelect Block #1 Industrial applications, Professional applications.
- SureSelect Indexing Industrial applications, Professional applications.
- Block #3

Industrial sector specific solutions : Not applicable.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

Product/ingredient name	Exposure limit values
SureSelect RNase Block Glycerol	ACGIH TLV (United States, 3/2012). TWA: 10 mg/m ³ 8 hours. Form: Mist

Recommended monitoring procedures

- : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

Derived effect levels

No DNELs available.

Predicted effect concentrations

No PNECs available.

8.2 Exposure controls

SECTION 8: Exposure controls/personal protection

Appropriate engineering controls : If user operations generate dust, fumes, gas, vapour or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

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.

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. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

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 : Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Environmental exposure controls : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties****Appearance**

Physical state	: SureSelect RNase Block	Liquid.	
	SureSelect GA Indexing Pre Capture PCR Reverse Primer	Liquid.	
	SureSelect GA Indexing Post Capture PCR Forward Primer	Liquid.	
	SureSelect Hyb #3	Liquid.	
	SureSelect Block #2	Liquid.	
	SureSelect Block #1	Liquid.	
	SureSelect Indexing Block #3	Liquid.	
	Colour	: SureSelect RNase Block	Not available.
		SureSelect GA Indexing Pre Capture PCR Reverse Primer	Not available.
		SureSelect GA Indexing Post Capture PCR Forward Primer	Not available.

SECTION 9: Physical and chemical properties

	SureSelect Hyb #3	Not available.
	SureSelect Block #2	Colourless.
	SureSelect Block #1	Colourless.
	SureSelect Indexing Block #3	Not available.
Odour	: SureSelect RNase Block	Not available.
	SureSelect GA Indexing Pre Capture PCR Reverse Primer	Not available.
	SureSelect GA Indexing Post Capture PCR Forward Primer	Not available.
	SureSelect Hyb #3	Not available.
	SureSelect Block #2	Odourless.
	SureSelect Block #1	Odourless.
	SureSelect Indexing Block #3	Not available.
Odour threshold	: SureSelect RNase Block	Not available.
	SureSelect GA Indexing Pre Capture PCR Reverse Primer	Not available.
	SureSelect GA Indexing Post Capture PCR Forward Primer	Not available.
	SureSelect Hyb #3	Not available.
	SureSelect Block #2	Not available.
	SureSelect Block #1	Not available.
	SureSelect Indexing Block #3	Not available.
pH	: SureSelect RNase Block	Not available.
	SureSelect GA Indexing Pre Capture PCR Reverse Primer	Not available.
	SureSelect GA Indexing Post Capture PCR Forward Primer	Not available.
	SureSelect Hyb #3	Not available.
	SureSelect Block #2	Not available.
	SureSelect Block #1	Not available.
	SureSelect Indexing Block #3	Not available.
Melting point/freezing point	: SureSelect RNase Block	Not available.
	SureSelect GA Indexing Pre Capture PCR Reverse Primer	0°C
	SureSelect GA Indexing Post Capture PCR Forward Primer	0°C
	SureSelect Hyb #3	0°C
	SureSelect Block #2	0°C
	SureSelect Block #1	0°C
	SureSelect Indexing Block #3	0°C

SECTION 9: Physical and chemical properties

Initial boiling point and boiling range	: SureSelect RNase Block	Not available.
	SureSelect GA	100°C
	Indexing Pre Capture PCR Reverse Primer	
	SureSelect GA	100°C
	Indexing Post Capture PCR Forward Primer	
	SureSelect Hyb #3	100°C
	SureSelect Block #2	100°C
	SureSelect Block #1	100°C
	SureSelect Indexing Block #3	100°C
Flash point	: SureSelect RNase Block	Not available.
	SureSelect GA	Not available.
	Indexing Pre Capture PCR Reverse Primer	
	SureSelect GA	Not available.
	Indexing Post Capture PCR Forward Primer	
	SureSelect Hyb #3	Not available.
	SureSelect Block #2	Not available.
	SureSelect Block #1	Not available.
	SureSelect Indexing Block #3	Not available.
Evaporation rate	: SureSelect RNase Block	Not available.
	SureSelect GA	Not available.
	Indexing Pre Capture PCR Reverse Primer	
	SureSelect GA	Not available.
	Indexing Post Capture PCR Forward Primer	
	SureSelect Hyb #3	Not available.
	SureSelect Block #2	Not available.
	SureSelect Block #1	Not available.
	SureSelect Indexing Block #3	Not available.
Flammability (solid, gas)	: SureSelect RNase Block	Not available.
	SureSelect GA	Not available.
	Indexing Pre Capture PCR Reverse Primer	
	SureSelect GA	Not available.
	Indexing Post Capture PCR Forward Primer	
	SureSelect Hyb #3	Not available.
	SureSelect Block #2	Not available.
	SureSelect Block #1	Not available.
	SureSelect Indexing Block #3	Not available.
Upper/lower flammability or explosive limits	: SureSelect RNase Block	Not available.
	SureSelect GA	Not available.
	Indexing Pre Capture PCR Reverse Primer	
	SureSelect GA	Not available.
	Indexing Post Capture PCR Forward Primer	
	SureSelect Hyb #3	Not available.
	SureSelect Block #2	Not available.
	SureSelect Block #1	Not available.
	SureSelect Indexing	Not available.

SECTION 9: Physical and chemical properties

	Block #3	
Vapour pressure	: SureSelect RNase Block	Not available.
	SureSelect GA Indexing Pre Capture PCR Reverse Primer	Not available.
	SureSelect GA Indexing Post Capture PCR Forward Primer	Not available.
	SureSelect Hyb #3	Not available.
	SureSelect Block #2	Not available.
	SureSelect Block #1	Not available.
	SureSelect Indexing Block #3	Not available.
Vapour density	: SureSelect RNase Block	Not available.
	SureSelect GA Indexing Pre Capture PCR Reverse Primer	Not available.
	SureSelect GA Indexing Post Capture PCR Forward Primer	Not available.
	SureSelect Hyb #3	Not available.
	SureSelect Block #2	Not available.
	SureSelect Block #1	Not available.
	SureSelect Indexing Block #3	Not available.
Relative density	: SureSelect RNase Block	Not available.
	SureSelect GA Indexing Pre Capture PCR Reverse Primer	Not available.
	SureSelect GA Indexing Post Capture PCR Forward Primer	Not available.
	SureSelect Hyb #3	Not available.
	SureSelect Block #2	Not available.
	SureSelect Block #1	Not available.
	SureSelect Indexing Block #3	Not available.
Solubility(ies)	: SureSelect RNase Block	Soluble in the following materials: cold water and hot water.
	SureSelect GA Indexing Pre Capture PCR Reverse Primer	Easily soluble in the following materials: cold water and hot water.
	SureSelect GA Indexing Post Capture PCR Forward Primer	Easily soluble in the following materials: cold water and hot water.
	SureSelect Hyb #3	Easily soluble in the following materials: cold water and hot water.
	SureSelect Block #2	Easily soluble in the following materials: cold water and hot water.
	SureSelect Block #1	Easily soluble in the following materials: cold water and hot water.
	SureSelect Indexing Block #3	Easily soluble in the following materials: cold water and hot water.
Partition coefficient: n-octanol/water	: SureSelect RNase Block	Not available.
	SureSelect GA Indexing Pre Capture PCR Reverse Primer	Not available.
	SureSelect GA Indexing Post Capture PCR Forward Primer	Not available.

SECTION 9: Physical and chemical properties

	SureSelect Hyb #3	Not available.
	SureSelect Block #2	Not available.
	SureSelect Block #1	Not available.
	SureSelect Indexing Block #3	Not available.
Auto-ignition temperature	: SureSelect RNase Block	Not available.
	SureSelect GA Indexing Pre Capture PCR Reverse Primer	Not available.
	SureSelect GA Indexing Post Capture PCR Forward Primer	Not available.
	SureSelect Hyb #3	Not available.
	SureSelect Block #2	Not available.
	SureSelect Block #1	Not available.
	SureSelect Indexing Block #3	Not available.
Decomposition temperature	: SureSelect RNase Block	Not available.
	SureSelect GA Indexing Pre Capture PCR Reverse Primer	Not available.
	SureSelect GA Indexing Post Capture PCR Forward Primer	Not available.
	SureSelect Hyb #3	Not available.
	SureSelect Block #2	Not available.
	SureSelect Block #1	Not available.
	SureSelect Indexing Block #3	Not available.
Viscosity	: SureSelect RNase Block	Not available.
	SureSelect GA Indexing Pre Capture PCR Reverse Primer	Not available.
	SureSelect GA Indexing Post Capture PCR Forward Primer	Not available.
	SureSelect Hyb #3	Not available.
	SureSelect Block #2	Not available.
	SureSelect Block #1	Not available.
	SureSelect Indexing Block #3	Not available.
Explosive properties	: SureSelect RNase Block	Not available.
	SureSelect GA Indexing Pre Capture PCR Reverse Primer	Not available.
	SureSelect GA Indexing Post Capture PCR Forward Primer	Not available.
	SureSelect Hyb #3	Not available.
	SureSelect Block #2	Not available.
	SureSelect Block #1	Not available.
	SureSelect Indexing Block #3	Not available.

9.2 Other information

No additional information.

SECTION 10: Stability and reactivity

10.1 Reactivity	: SureSelect RNase Block SureSelect GA Indexing Pre Capture PCR Reverse Primer SureSelect GA Indexing Post Capture PCR Forward Primer SureSelect Hyb #3 SureSelect Block #2 SureSelect Block #1 SureSelect Indexing Block #3	No specific test data related to reactivity available for this product or its ingredients. No specific test data related to reactivity available for this product or its ingredients. No specific test data related to reactivity available for this product or its ingredients. No specific test data related to reactivity available for this product or its ingredients. No specific test data related to reactivity available for this product or its ingredients. No specific test data related to reactivity available for this product or its ingredients. No specific test data related to reactivity available for this product or its ingredients.
10.2 Chemical stability	: SureSelect RNase Block SureSelect GA Indexing Pre Capture PCR Reverse Primer SureSelect GA Indexing Post Capture PCR Forward Primer SureSelect Hyb #3 SureSelect Block #2 SureSelect Block #1 SureSelect Indexing Block #3	The product is stable. The product is stable. The product is stable. The product is stable. The product is stable. The product is stable. The product is stable.
10.3 Possibility of hazardous reactions	: SureSelect RNase Block SureSelect GA Indexing Pre Capture PCR Reverse Primer SureSelect GA Indexing Post Capture PCR Forward Primer SureSelect Hyb #3 SureSelect Block #2 SureSelect Block #1 SureSelect Indexing Block #3	Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur.
10.4 Conditions to avoid	: SureSelect RNase Block SureSelect GA Indexing Pre Capture PCR Reverse Primer SureSelect GA Indexing Post Capture PCR Forward Primer SureSelect Hyb #3 SureSelect Block #2 SureSelect Block #1 SureSelect Indexing Block #3	No specific data. No specific data. No specific data. No specific data. No specific data. No specific data. No specific data.

SECTION 10: Stability and reactivity

10.5 Incompatible materials	:	SureSelect RNase Block SureSelect GA Indexing Pre Capture PCR Reverse Primer SureSelect GA Indexing Post Capture PCR Forward Primer SureSelect Hyb #3 SureSelect Block #2 SureSelect Block #1 SureSelect Indexing Block #3	No specific data. No specific data. No specific data. No specific data. No specific data. No specific data. No specific data. No specific data. No specific data.
10.6 Hazardous decomposition products	:	SureSelect RNase Block SureSelect GA Indexing Pre Capture PCR Reverse Primer SureSelect GA Indexing Post Capture PCR Forward Primer SureSelect Hyb #3 SureSelect Block #2 SureSelect Block #1 SureSelect GA Indexing Block #3	Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced. 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
SureSelect RNase Block Glycerol	LD50 Oral	Rat	12600 mg/kg	-

Acute toxicity estimates

Not available.

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
SureSelect RNase Block Glycerol	Eyes - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 milligrams	-

Sensitiser

Conclusion/Summary : Not available.

Chronic toxicity / Carcinogenicity / Mutagenicity / Teratogenicity / Reproductive toxicity

Not available.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Product/ingredient name	Category	Route of exposure	Target organs
SureSelect RNase Block Glycerol	Category 2	Inhalation	kidneys

SECTION 11: Toxicological informationAspiration hazard

Not available.

Information on the likely routes of exposure : Not available.Potential acute health effects

Inhalation	: SureSelect RNase Block	No known significant effects or critical hazards.
	SureSelect GA Indexing	No known significant effects or critical hazards.
	Pre Capture PCR	
	Reverse Primer	
	SureSelect GA Indexing	No known significant effects or critical hazards.
	Post Capture PCR	
	Forward Primer	
	SureSelect Hyb #3	Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
	SureSelect Block #2	No known significant effects or critical hazards.
	SureSelect Block #1	No known significant effects or critical hazards.
	SureSelect Indexing	No known significant effects or critical hazards.
	Block #3	
Ingestion	: SureSelect RNase Block	No known significant effects or critical hazards.
	SureSelect GA Indexing	No known significant effects or critical hazards.
	Pre Capture PCR	
	Reverse Primer	
	SureSelect GA Indexing	No known significant effects or critical hazards.
	Post Capture PCR	
	Forward Primer	
	SureSelect Hyb #3	No known significant effects or critical hazards.
	SureSelect Block #2	No known significant effects or critical hazards.
	SureSelect Block #1	No known significant effects or critical hazards.
	SureSelect Indexing	No known significant effects or critical hazards.
	Block #3	
Skin contact	: SureSelect RNase Block	No known significant effects or critical hazards.
	SureSelect GA Indexing	No known significant effects or critical hazards.
	Pre Capture PCR	
	Reverse Primer	
	SureSelect GA Indexing	No known significant effects or critical hazards.
	Post Capture PCR	
	Forward Primer	
	SureSelect Hyb #3	No known significant effects or critical hazards.
	SureSelect Block #2	No known significant effects or critical hazards.
	SureSelect Block #1	No known significant effects or critical hazards.
	SureSelect Indexing	No known significant effects or critical hazards.
	Block #3	
Eye contact	: SureSelect RNase Block	No known significant effects or critical hazards.
	SureSelect GA Indexing	No known significant effects or critical hazards.
	Pre Capture PCR	
	Reverse Primer	
	SureSelect GA Indexing	No known significant effects or critical hazards.
	Post Capture PCR	
	Forward Primer	
	SureSelect Hyb #3	No known significant effects or critical hazards.
	SureSelect Block #2	No known significant effects or critical hazards.
	SureSelect Block #1	No known significant effects or critical hazards.
	SureSelect Indexing	No known significant effects or critical hazards.
	Block #3	

Symptoms related to the physical, chemical and toxicological characteristics

Inhalation	: SureSelect RNase Block	No specific data.
	SureSelect GA Indexing	No specific data.
	Pre Capture PCR	
	Reverse Primer	
	SureSelect GA Indexing	No specific data.
	Post Capture PCR	
	Forward Primer	

SECTION 11: Toxicological information

	SureSelect Hyb #3	No specific data.
	SureSelect Block #2	No specific data.
	SureSelect Block #1	No specific data.
	SureSelect Indexing Block #3	No specific data.
Ingestion	: SureSelect RNase Block	No specific data.
	SureSelect GA Indexing	No specific data.
	Pre Capture PCR	
	Reverse Primer	
	SureSelect GA Indexing	No specific data.
	Post Capture PCR	
	Forward Primer	
	SureSelect Hyb #3	No specific data.
	SureSelect Block #2	No specific data.
	SureSelect Block #1	No specific data.
	SureSelect Indexing Block #3	No specific data.
Skin contact	: SureSelect RNase Block	No specific data.
	SureSelect GA Indexing	No specific data.
	Pre Capture PCR	
	Reverse Primer	
	SureSelect GA Indexing	No specific data.
	Post Capture PCR	
	Forward Primer	
	SureSelect Hyb #3	No specific data.
	SureSelect Block #2	No specific data.
	SureSelect Block #1	No specific data.
	SureSelect Indexing Block #3	No specific data.
Eye contact	: SureSelect RNase Block	No specific data.
	SureSelect GA Indexing	No specific data.
	Pre Capture PCR	
	Reverse Primer	
	SureSelect GA Indexing	No specific data.
	Post Capture PCR	
	Forward Primer	
	SureSelect Hyb #3	No specific data.
	SureSelect Block #2	No specific data.
	SureSelect Block #1	No specific data.
	SureSelect Indexing Block #3	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	: SureSelect RNase Block	May cause damage to organs through prolonged or repeated exposure if inhaled.
	SureSelect GA Indexing	No known significant effects or critical hazards.
	Pre Capture PCR	
	Reverse Primer	
	SureSelect GA Indexing	No known significant effects or critical hazards.
	Post Capture PCR	
	Forward Primer	
	SureSelect Hyb #3	No known significant effects or critical hazards.

SECTION 11: Toxicological information

	SureSelect Block #2	No known significant effects or critical hazards.
	SureSelect Block #1	No known significant effects or critical hazards.
	SureSelect Indexing Block #3	No known significant effects or critical hazards.
Carcinogenicity	: SureSelect RNase Block	No known significant effects or critical hazards.
	SureSelect GA Indexing Pre Capture PCR Reverse Primer	No known significant effects or critical hazards.
	SureSelect GA Indexing Post Capture PCR Forward Primer	No known significant effects or critical hazards.
	SureSelect Hyb #3	No known significant effects or critical hazards.
	SureSelect Block #2	No known significant effects or critical hazards.
	SureSelect Block #1	No known significant effects or critical hazards.
	SureSelect Indexing Block #3	No known significant effects or critical hazards.
Mutagenicity	: SureSelect RNase Block	No known significant effects or critical hazards.
	SureSelect GA Indexing Pre Capture PCR Reverse Primer	No known significant effects or critical hazards.
	SureSelect GA Indexing Post Capture PCR Forward Primer	No known significant effects or critical hazards.
	SureSelect Hyb #3	No known significant effects or critical hazards.
	SureSelect Block #2	No known significant effects or critical hazards.
	SureSelect Block #1	No known significant effects or critical hazards.
	SureSelect Indexing Block #3	No known significant effects or critical hazards.
Teratogenicity	: SureSelect RNase Block	No known significant effects or critical hazards.
	SureSelect GA Indexing Pre Capture PCR Reverse Primer	No known significant effects or critical hazards.
	SureSelect GA Indexing Post Capture PCR Forward Primer	No known significant effects or critical hazards.
	SureSelect Hyb #3	No known significant effects or critical hazards.
	SureSelect Block #2	No known significant effects or critical hazards.
	SureSelect Block #1	No known significant effects or critical hazards.
	SureSelect Indexing Block #3	No known significant effects or critical hazards.
Developmental effects	: SureSelect RNase Block	No known significant effects or critical hazards.
	SureSelect GA Indexing Pre Capture PCR Reverse Primer	No known significant effects or critical hazards.
	SureSelect GA Indexing Post Capture PCR Forward Primer	No known significant effects or critical hazards.
	SureSelect Hyb #3	No known significant effects or critical hazards.
	SureSelect Block #2	No known significant effects or critical hazards.
	SureSelect Block #1	No known significant effects or critical hazards.
	SureSelect Indexing Block #3	No known significant effects or critical hazards.
Fertility effects	: SureSelect RNase Block	No known significant effects or critical hazards.
	SureSelect GA Indexing Pre Capture PCR Reverse Primer	No known significant effects or critical hazards.
	SureSelect GA Indexing Post Capture PCR Forward Primer	No known significant effects or critical hazards.
	SureSelect Hyb #3	No known significant effects or critical hazards.
	SureSelect Block #2	No known significant effects or critical hazards.
	SureSelect Block #1	No known significant effects or critical hazards.
	SureSelect Indexing Block #3	No known significant effects or critical hazards.

SECTION 11: Toxicological information**Toxicokinetics**

Absorption	: SureSelect RNase Block	Not available.
	SureSelect GA Indexing	Not available.
	Pre Capture PCR	
	Reverse Primer	
	SureSelect GA Indexing	Not available.
	Post Capture PCR	
	Forward Primer	
	SureSelect Hyb #3	Not available.
	SureSelect Block #2	Not available.
	SureSelect Block #1	Not available.
	SureSelect Indexing	Not available.
	Block #3	
Distribution	: SureSelect RNase Block	Not available.
	SureSelect GA Indexing	Not available.
	Pre Capture PCR	
	Reverse Primer	
	SureSelect GA Indexing	Not available.
	Post Capture PCR	
	Forward Primer	
	SureSelect Hyb #3	Not available.
	SureSelect Block #2	Not available.
	SureSelect Block #1	Not available.
	SureSelect Indexing	Not available.
	Block #3	
Metabolism	: SureSelect RNase Block	Not available.
	SureSelect GA Indexing	Not available.
	Pre Capture PCR	
	Reverse Primer	
	SureSelect GA Indexing	Not available.
	Post Capture PCR	
	Forward Primer	
	SureSelect Hyb #3	Not available.
	SureSelect Block #2	Not available.
	SureSelect Block #1	Not available.
	SureSelect Indexing	Not available.
	Block #3	
Elimination	: SureSelect RNase Block	Not available.
	SureSelect GA Indexing	Not available.
	Pre Capture PCR	
	Reverse Primer	
	SureSelect GA Indexing	Not available.
	Post Capture PCR	
	Forward Primer	
	SureSelect Hyb #3	Not available.
	SureSelect Block #2	Not available.
	SureSelect Block #1	Not available.
	SureSelect Indexing	Not available.
	Block #3	
Other information	: Not available.	

SECTION 12: Ecological information**12.1 Toxicity**

Conclusion/Summary : Not available.

12.2 Persistence and degradability

Conclusion/Summary : Not available.

12.3 Bioaccumulative potential

SECTION 12: Ecological information

Product/ingredient name	LogP _{ow}	BCF	Potential
SureSelect RNase Block Glycerol	-1.76	-	low

12.4 Mobility in soil

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

Mobility : Not available.

12.5 Results of PBT and vPvB assessment

PBT : Not applicable.

vPvB : Not applicable.

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

SECTION 13: Disposal considerations**13.1 Waste treatment methods**Product

Methods of disposal : 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.

Hazardous waste : The classification of the product may meet the criteria for a hazardous waste.

Packaging

Methods of disposal : The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

Special precautions : This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information**Regulatory information**

ADR/RID / IMDG / IATA : Not regulated.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code : Not available.

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**EU Regulation (EC) No. 1907/2006 (REACH)Annex XIV - List of substances subject to authorisationSubstances of very high concern

None of the components are listed.

SECTION 15: Regulatory information

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles : Not applicable.

Other EU regulations

Europe inventory : Not determined.

Black List Chemicals : Not listed

Priority List Chemicals : Not listed

Integrated pollution prevention and control list (IPPC) - Air : Not listed

Integrated pollution prevention and control list (IPPC) - Water : Not listed

15.2 Chemical Safety Assessment : This product contains substances for which Chemical Safety Assessments might still be required.

SECTION 16: Other information

✔ Indicates information that has changed from previously issued version.

Abbreviations and acronyms : ATE = Acute Toxicity Estimate
 CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
 DNEL = Derived No Effect Level
 EUH statement = CLP-specific Hazard statement
 PNEC = Predicted No Effect Concentration
 RRN = REACH Registration Number

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Classification	Justification
SureSelect RNase Block STOT RE 2, H373	Calculation method

Full text of abbreviated H statements : **SureSelect RNase Block**
 H373
 May cause damage to organs through prolonged or repeated exposure if inhaled.

Full text of classifications [CLP/GHS] : **SureSelect RNase Block**
 STOT RE 2, H373
 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE): INHALATION [kidneys] - Category 2

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