

SAFETY DATA SHEET



SureSelect Target Enrichment Kit - Paired End Module Box 2 - 96 Reactions, Part Number 931023

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

1.1 Product identifier

Product name : SureSelect Target Enrichment Kit - Paired End Module Box 2 - 96 Reactions, Part Number 931023

Part No. (Kit) : 931023

Part No. : SureSelect RNase Block 5190-4386
SureSelect ILM PCR Primers 5190-5444
SureSelect Hyb 3 5190-4385
SureSelect Block 2 5190-4384
SureSelect Block 1 5190-5440
SureSelect PE Block 3 5190-5442

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

Identified uses	
Analytical reagent.	
SureSelect RNase Block	0.096 ml
SureSelect ILM PCR Primers	0.24 ml
SureSelect Hyb 3	960 µl
SureSelect Block 2	240 µl
SureSelect Block 1	0.24 ml
SureSelect PE Block 3	0.058 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 ILM PCR Primers Mixture
SureSelect Hyb 3 Mixture
SureSelect Block 2 Mixture
SureSelect Block 1 Mixture
SureSelect PE Block 3 Mixture

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

Not classified.

Date of issue/Date of revision : 05/02/2016

SECTION 2: Hazards identification

Ingredients of unknown toxicity	: SureSelect RNase Block	Not applicable.
	SureSelect ILM PCR Primers	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.
Ingredients of unknown ecotoxicity	: SureSelect PE Block 3	Not applicable.
	SureSelect RNase Block	Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 50%
	SureSelect ILM PCR Primers	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 PE Block 3	Not applicable.

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

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

2.2 Label elements

Signal word	: SureSelect RNase Block	No signal word.
	SureSelect ILM PCR Primers	No signal word.
	SureSelect Hyb 3	No signal word.
	SureSelect Block 2	No signal word.
	SureSelect Block 1	No signal word.
Hazard statements	: SureSelect PE Block 3	No signal word.
	SureSelect RNase Block	No known significant effects or critical hazards.
	SureSelect ILM PCR Primers	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 PE Block 3	No known significant effects or critical hazards.

Precautionary statements

Prevention	: SureSelect RNase Block	Not applicable.
	SureSelect ILM PCR Primers	Not applicable.
	SureSelect Hyb 3	Not applicable.
	SureSelect Block 2	Not applicable.
	SureSelect Block 1	Not applicable.
Response	: SureSelect PE Block 3	Not applicable.
	SureSelect RNase Block	Not applicable.
	SureSelect ILM PCR Primers	Not applicable.
	SureSelect Hyb 3	Not applicable.
	SureSelect Block 2	Not applicable.
Storage	: SureSelect Block 1	Not applicable.
	SureSelect PE Block 3	Not applicable.
	SureSelect RNase Block	Not applicable.
	SureSelect ILM PCR Primers	Not applicable.
	SureSelect Hyb 3	Not applicable.
	SureSelect Block 2	Not applicable.
	SureSelect Block 1	Not applicable.
	SureSelect PE Block 3	Not applicable.

SECTION 2: Hazards identification

Disposal : SureSelect RNase Block Not applicable.
 SureSelect ILM PCR Not applicable.
 Primers
 SureSelect Hyb 3 Not applicable.
 SureSelect Block 2 Not applicable.
 SureSelect Block 1 Not applicable.
 SureSelect PE Block 3 Not applicable.

Hazardous ingredients : No hazardous ingredient

Supplemental label elements : SureSelect RNase Block Not applicable.
 SureSelect ILM PCR Not applicable.
 Primers
 SureSelect Hyb 3 Not applicable.
 SureSelect Block 2 Not applicable.
 SureSelect Block 1 Not applicable.
 SureSelect PE Block 3 Not applicable.

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles : SureSelect RNase Block Not applicable.
 SureSelect ILM PCR Not applicable.
 Primers
 SureSelect Hyb 3 Not applicable.
 SureSelect Block 2 Not applicable.
 SureSelect Block 1 Not applicable.
 SureSelect PE Block 3 Not applicable.

Special packaging requirements

Tactile warning of danger : SureSelect RNase Block Not applicable.
 SureSelect ILM PCR Not applicable.
 Primers
 SureSelect Hyb 3 Not applicable.
 SureSelect Block 2 Not applicable.
 SureSelect Block 1 Not applicable.
 SureSelect PE Block 3 Not applicable.

2.3 Other hazards

Other hazards which do not result in classification : SureSelect RNase Block None known.
 SureSelect ILM PCR None known.
 Primers
 SureSelect Hyb 3 None known.
 SureSelect Block 2 None known.
 SureSelect Block 1 None known.
 SureSelect PE Block 3 None known.

SECTION 3: Composition/information on ingredients

3.2 Mixtures : SureSelect RNase Block Mixture
 SureSelect ILM PCR Primers Mixture
 SureSelect Hyb 3 Mixture
 SureSelect Block 2 Mixture
 SureSelect Block 1 Mixture
 SureSelect PE Block 3 Mixture

Product/ingredient name	Identifiers	%	Classification	Type
SureSelect Block 2 Water	7732-18-5	100	Not classified.	[A]
SureSelect RNase Block Glycerol	EC: 200-289-5 CAS: 56-81-5	≥50 - ≤75	Not classified. See Section 16 for the full text of the H statements declared above.	[2]

SECTION 3: Composition/information on ingredients

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.

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs or vPvBs or have been assigned a workplace exposure limit 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

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. Get medical attention if irritation occurs.
	SureSelect ILM PCR Primers	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.
	SureSelect PE 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. Get medical attention if symptoms occur.
	SureSelect ILM PCR Primers	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 PE 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. Get medical attention if symptoms occur.
	SureSelect ILM PCR Primers	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

SECTION 4: First aid measures

	SureSelect Block 2	symptoms occur. 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 PE 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 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 ILM PCR Primers	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 PE 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.
	SureSelect ILM PCR Primers	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 PE 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**

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Eye contact	:	SureSelect RNase Block	No known significant effects or critical hazards.
		SureSelect ILM PCR	No known significant effects or critical hazards.
		Primers	
		SureSelect Hyb 3	No known significant effects or critical hazards.
		SureSelect Block 2	No known significant effects or critical hazards.
Inhalation	:	SureSelect RNase Block	No known significant effects or critical hazards.
		SureSelect ILM PCR	No known significant effects or critical hazards.
		Primers	
		SureSelect Hyb 3	No known significant effects or critical hazards.
		SureSelect Block 2	No known significant effects or critical hazards.
Skin contact	:	SureSelect RNase Block	No known significant effects or critical hazards.
		SureSelect ILM PCR	No known significant effects or critical hazards.
		Primers	
		SureSelect Hyb 3	No known significant effects or critical hazards.
		SureSelect Block 2	No known significant effects or critical hazards.
Ingestion	:	SureSelect RNase Block	No known significant effects or critical hazards.
		SureSelect ILM PCR	No known significant effects or critical hazards.
		Primers	
		SureSelect Hyb 3	No known significant effects or critical hazards.
		SureSelect Block 2	No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact	:	SureSelect RNase Block	No specific data.
		SureSelect ILM PCR	No specific data.
		Primers	
		SureSelect Hyb 3	No specific data.
		SureSelect Block 2	No specific data.
Inhalation	:	SureSelect RNase Block	No specific data.
		SureSelect ILM PCR	No specific data.
		Primers	
		SureSelect Hyb 3	No specific data.
		SureSelect Block 2	No specific data.
Skin contact	:	SureSelect RNase Block	No specific data.
		SureSelect ILM PCR	No specific data.
		Primers	
		SureSelect Hyb 3	No specific data.
		SureSelect Block 2	No specific data.
Ingestion	:	SureSelect RNase Block	No specific data.
		SureSelect ILM PCR	No specific data.
		Primers	
		SureSelect Hyb 3	No specific data.
		SureSelect Block 2	No specific data.

4.3 Indication of any immediate medical attention and special treatment needed

SECTION 4: First aid measures

Notes to physician	: SureSelect RNase Block	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	SureSelect ILM PCR Primers	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	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 PE Block 3	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments	: SureSelect RNase Block	No specific treatment.
	SureSelect ILM PCR Primers	No specific treatment.
	SureSelect Hyb 3	No specific treatment.
	SureSelect Block 2	No specific treatment.
	SureSelect Block 1	No specific treatment.
	SureSelect PE 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 ILM PCR Primers	Use an extinguishing agent suitable for the surrounding fire.
	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 PE Block 3	Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media	: SureSelect RNase Block	None known.
	SureSelect ILM PCR Primers	None known.
	SureSelect Hyb 3	None known.
	SureSelect Block 2	None known.
	SureSelect Block 1	None known.
	SureSelect PE 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 ILM PCR Primers	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 PE 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 ILM PCR Primers	No specific data.
	SureSelect Hyb 3	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides halogenated compounds carbonyl halides

SECTION 5: Firefighting measures

SureSelect Block 2	No specific data.
SureSelect Block 1	No specific data.
SureSelect PE Block 3	No specific data.

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 ILM PCR Primers	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 PE 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 ILM PCR Primers	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 PE Block 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.

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 spilled material. Put on appropriate personal protective equipment.
	SureSelect ILM PCR Primers	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.
	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 spilled 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 spilled 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 spilled material. Put on appropriate personal protective equipment.
	SureSelect PE 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 spilled 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 ILM PCR Primers	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".
	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 PE 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".

SECTION 6: Accidental release measures

6.2 Environmental precautions	: SureSelect RNase Block	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).
	SureSelect ILM PCR Primers	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).
	SureSelect Hyb 3	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).
	SureSelect Block 2	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).
	SureSelect Block 1	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).
	SureSelect PE Block 3	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 material 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 ILM PCR Primers	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.
	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 PE 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.
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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).
		SureSelect ILM PCR Primers	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 PE 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 ILM PCR Primers	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. 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 1	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 PE Block 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.

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 ILM PCR Primers	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

SECTION 7: Handling and storage

	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 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 PE Block 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.

7.3 Specific end use(s)

Recommendations	: SureSelect RNase Block	Industrial applications, Professional applications.
	SureSelect ILM PCR Primers	Industrial applications.
	SureSelect Hyb 3	Industrial applications, Professional applications.
	SureSelect Block 2	Industrial applications, Professional applications.
	SureSelect Block 1	Industrial applications.
Industrial sector specific solutions	SureSelect PE Block 3	Industrial applications.
	: SureSelect RNase Block	Not applicable.
	SureSelect ILM PCR Primers	Not applicable.
	SureSelect Hyb 3	Not applicable.
	SureSelect Block 2	Not applicable.
SureSelect Block 1	Not applicable.	
SureSelect PE Block 3	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	EH40/2005 WELs (United Kingdom (UK), 12/2011). 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.

DNELs/DMELs

No DNELs/DMELs available.

PNECs

No PNECs available

8.2 Exposure controls

Appropriate engineering controls : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

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.

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.

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 ILM PCR Primers	Liquid.
	SureSelect Hyb 3	Liquid.
	SureSelect Block 2	Liquid.
	SureSelect Block 1	Liquid.
	SureSelect PE Block 3	Liquid.
Colour	: SureSelect RNase Block	Not available.
	SureSelect ILM PCR Primers	Not available.
	SureSelect Hyb 3	Not available.
	SureSelect Block 2	Colourless.
	SureSelect Block 1	Not available.
	SureSelect PE Block 3	Not available.
Odour	: SureSelect RNase Block	Not available.
	SureSelect ILM PCR Primers	Not available.
	SureSelect Hyb 3	Not available.
	SureSelect Block 2	Odourless.
	SureSelect Block 1	Not available.
	SureSelect PE Block 3	Not available.
Odour threshold	: SureSelect RNase Block	Not available.
	SureSelect ILM PCR Primers	Not available.
	SureSelect Hyb 3	Not available.
	SureSelect Block 2	Not available.
	SureSelect Block 1	Not available.
	SureSelect PE Block 3	Not available.
pH	: SureSelect RNase Block	Not available.
	SureSelect ILM PCR Primers	Not available.
	SureSelect Hyb 3	7 to 8
	SureSelect Block 2	Not available.
	SureSelect Block 1	Not available.
	SureSelect PE Block 3	Not available.
Melting point/freezing point	: SureSelect RNase Block	Not available.
	SureSelect ILM PCR Primers	0°C
	SureSelect Hyb 3	0°C
	SureSelect Block 2	0°C
	SureSelect Block 1	0°C
	SureSelect PE Block 3	0°C
Initial boiling point and boiling range	: SureSelect RNase Block	Not available.
	SureSelect ILM PCR Primers	100°C
	SureSelect Hyb 3	100°C
	SureSelect Block 2	100°C
	SureSelect Block 1	100°C
	SureSelect PE Block 3	100°C

SECTION 9: Physical and chemical properties

Flash point	: SureSelect RNase Block	Not available.
	SureSelect ILM PCR Primers	Not available.
	SureSelect Hyb 3	Not available.
	SureSelect Block 2	Not available.
	SureSelect Block 1	Not available.
Evaporation rate	SureSelect PE Block 3	Not available.
	: SureSelect RNase Block	Not available.
	SureSelect ILM PCR Primers	Not available.
	SureSelect Hyb 3	Not available.
	SureSelect Block 2	Not available.
Flammability (solid, gas)	SureSelect Block 1	Not available.
	SureSelect PE Block 3	Not available.
	: SureSelect RNase Block	Not applicable.
	SureSelect ILM PCR Primers	Not applicable.
	SureSelect Hyb 3	Not applicable.
Upper/lower flammability or explosive limits	SureSelect Block 2	Not applicable.
	SureSelect Block 1	Not applicable.
	SureSelect PE Block 3	Not applicable.
	: SureSelect RNase Block	Not available.
	SureSelect ILM PCR Primers	Not available.
Vapour pressure	SureSelect Hyb 3	Not available.
	SureSelect Block 2	Not available.
	SureSelect Block 1	Not available.
	SureSelect PE Block 3	Not available.
	: SureSelect RNase Block	Not available.
Vapour density	SureSelect ILM PCR Primers	Not available.
	SureSelect Hyb 3	Not available.
	SureSelect Block 2	Not available.
	SureSelect Block 1	Not available.
	SureSelect PE Block 3	Not available.
Relative density	: SureSelect RNase Block	Not available.
	SureSelect ILM PCR Primers	Not available.
	SureSelect Hyb 3	Not available.
	SureSelect Block 2	Not available.
	SureSelect Block 1	Not available.
SureSelect PE Block 3	Not available.	

SECTION 9: Physical and chemical properties

Solubility(ies)	: SureSelect RNase Block SureSelect ILM PCR Primers SureSelect Hyb 3 SureSelect Block 2 SureSelect Block 1 SureSelect PE Block 3	Soluble in the following materials: cold water and hot water. Easily soluble in the following materials: cold water and hot water. Easily soluble in the following materials: cold water and hot water. Easily soluble in the following materials: cold water and hot water. Easily soluble in the following materials: cold water and hot water. Easily soluble in the following materials: cold water and hot water.
Partition coefficient: n-octanol/water	: SureSelect RNase Block SureSelect ILM PCR Primers SureSelect Hyb 3 SureSelect Block 2 SureSelect Block 1 SureSelect PE Block 3	Not available. Not available. Not available. Not available. Not available. Not available.
Auto-ignition temperature	: SureSelect RNase Block SureSelect ILM PCR Primers SureSelect Hyb 3 SureSelect Block 2 SureSelect Block 1 SureSelect PE Block 3	Not available. Not available. Not available. Not available. Not available. Not available.
Decomposition temperature	: SureSelect RNase Block SureSelect ILM PCR Primers SureSelect Hyb 3 SureSelect Block 2 SureSelect Block 1 SureSelect PE Block 3	Not available. Not available. Not available. Not available. Not available. Not available.
Viscosity	: SureSelect RNase Block SureSelect ILM PCR Primers SureSelect Hyb 3 SureSelect Block 2 SureSelect Block 1 SureSelect PE Block 3	Not available. Not available. Not available. Not available. Not available. Not available.
Explosive properties	: SureSelect RNase Block SureSelect ILM PCR Primers SureSelect Hyb 3 SureSelect Block 2 SureSelect Block 1 SureSelect PE Block 3	Not available. Not available. Not available. Not available. Not available. Not available.
Oxidising properties	: SureSelect RNase Block SureSelect ILM PCR Primers SureSelect Hyb 3 SureSelect Block 2 SureSelect Block 1 SureSelect PE Block 3	Not available. Not available. Not available. Not available. Not available. Not available.

9.2 Other information

Date of issue/Date of revision : 05/02/2016

SECTION 9: Physical and chemical properties

No additional information.

SECTION 10: Stability and reactivity

10.1 Reactivity	: SureSelect RNase Block SureSelect ILM PCR Primers SureSelect Hyb 3 SureSelect Block 2 SureSelect Block 1 SureSelect PE 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.
10.2 Chemical stability	: SureSelect RNase Block SureSelect ILM PCR Primers SureSelect Hyb 3 SureSelect Block 2 SureSelect Block 1 SureSelect PE 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.
10.3 Possibility of hazardous reactions	: SureSelect RNase Block SureSelect ILM PCR Primers SureSelect Hyb 3 SureSelect Block 2 SureSelect Block 1 SureSelect PE 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.
10.4 Conditions to avoid	: SureSelect RNase Block SureSelect ILM PCR Primers SureSelect Hyb 3 SureSelect Block 2 SureSelect Block 1 SureSelect PE Block 3	No specific data. No specific data. No specific data. No specific data. No specific data. No specific data.
10.5 Incompatible materials	: SureSelect RNase Block SureSelect ILM PCR Primers SureSelect Hyb 3 SureSelect Block 2 SureSelect Block 1 SureSelect PE Block 3	May react or be incompatible with oxidising materials. May react or be incompatible with oxidising materials. May react or be incompatible with oxidising materials. May react or be incompatible with oxidising materials. May react or be incompatible with oxidising materials. May react or be incompatible with oxidising materials.
10.6 Hazardous decomposition products	: SureSelect RNase Block SureSelect ILM PCR Primers SureSelect Hyb 3 SureSelect Block 2 SureSelect Block 1	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 10: Stability and reactivity

SureSelect PE Block 3 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

Not available.

Acute toxicity estimates

Not available.

Irritation/Corrosion

Conclusion/Summary : Not available.

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)

Not available.

Aspiration hazard

Not available.

Information on likely routes of exposure	: SureSelect RNase Block	Routes of entry anticipated: Oral, Dermal, Inhalation.
	SureSelect ILM PCR Primers	Not available.
	SureSelect Hyb 3	Not available.
	SureSelect Block 2	Not available.
	SureSelect Block 1	Not available.
	SureSelect PE Block 3	Not available.

Potential acute health effects

Inhalation	: SureSelect RNase Block	No known significant effects or critical hazards.
	SureSelect ILM PCR Primers	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.
Ingestion	: SureSelect RNase Block	No known significant effects or critical hazards.
	SureSelect ILM PCR Primers	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.
Skin contact	: SureSelect RNase Block	No known significant effects or critical hazards.
	SureSelect ILM PCR Primers	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 PE Block 3	No known significant effects or critical hazards.

SECTION 11: Toxicological information

Eye contact	:	SureSelect RNase Block	No known significant effects or critical hazards.
		SureSelect ILM PCR Primers	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 PE Block 3	No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Inhalation	:	SureSelect RNase Block	No specific data.
		SureSelect ILM PCR Primers	No specific data.
		SureSelect Hyb 3	No specific data.
		SureSelect Block 2	No specific data.
		SureSelect Block 1	No specific data.
		SureSelect PE Block 3	No specific data.

Ingestion	:	SureSelect RNase Block	No specific data.
		SureSelect ILM PCR Primers	No specific data.
		SureSelect Hyb 3	No specific data.
		SureSelect Block 2	No specific data.
		SureSelect Block 1	No specific data.
		SureSelect PE Block 3	No specific data.

Skin contact	:	SureSelect RNase Block	No specific data.
		SureSelect ILM PCR Primers	No specific data.
		SureSelect Hyb 3	No specific data.
		SureSelect Block 2	No specific data.
		SureSelect Block 1	No specific data.
		SureSelect PE Block 3	No specific data.

Eye contact	:	SureSelect RNase Block	No specific data.
		SureSelect ILM PCR Primers	No specific data.
		SureSelect Hyb 3	No specific data.
		SureSelect Block 2	No specific data.
		SureSelect Block 1	No specific data.
		SureSelect PE Block 3	No specific data.

Delayed and immediate effects as well as 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	No known significant effects or critical hazards.
		SureSelect ILM PCR Primers	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 PE Block 3	No known significant effects or critical hazards.

SECTION 11: Toxicological information

Carcinogenicity	: SureSelect RNase Block	No known significant effects or critical hazards.
	SureSelect ILM PCR Primers	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.
Mutagenicity	: SureSelect RNase Block	No known significant effects or critical hazards.
	SureSelect ILM PCR Primers	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.
Teratogenicity	: SureSelect RNase Block	No known significant effects or critical hazards.
	SureSelect ILM PCR Primers	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.
Developmental effects	: SureSelect RNase Block	No known significant effects or critical hazards.
	SureSelect ILM PCR Primers	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.
Fertility effects	: SureSelect RNase Block	No known significant effects or critical hazards.
	SureSelect ILM PCR Primers	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 PE Block 3	No known significant effects or critical hazards.

SECTION 12: Ecological information**12.1 Toxicity**

Conclusion/Summary : Not available.

12.2 Persistence and degradability

Not available.

12.3 Bioaccumulative potential

Not available.

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 : Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 2008/98/EC.

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. 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.

14.6 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.

14.7 Transport in bulk according to Annex II of Marpol 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 authorisation

Annex XIV

None of the components are listed.

Substances of very high concern

None of the components are listed.

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	SureSelect RNase Block	Not applicable.
	SureSelect ILM PCR Primers	Not applicable.
	SureSelect Hyb 3	Not applicable.
	SureSelect Block 2	Not applicable.
	SureSelect Block 1	Not applicable.
	SureSelect PE Block 3	Not applicable.

Other EU regulations

Europe inventory : All components are listed or exempted.

Seveso Directive

This product is not controlled under the Seveso Directive.

National regulations

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

SECTION 15: Regulatory information

Montreal Protocol (Annexes A, B, C, E)

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

Rotterdam Convention on Prior Inform Consent (PIC)

Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.


International lists

National inventory

Australia	: Not determined.
Canada	: At least one component is not listed in DSL but all such components are listed in NDSL.
China	: All components are listed or exempted.
Japan	: Japan inventory (ENCS) : Not determined. Japan inventory (ISHL) : Not determined.
Malaysia	: Not determined.
New Zealand	: All components are listed or exempted.
Philippines	: Not determined.
Republic of Korea	: Not determined.
Taiwan	: All components are listed or exempted.
Turkey	: Not determined.
United States	: All components are listed or exempted.

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
Not classified.	

Date of issue/ Date of revision : 05/02/2016

Date of previous issue : No previous validation.

Version : 1

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