

# SAFETY DATA SHEET



Early Access OneSeq Phased Exome Target Enrichment Box 2, Part Number 5190-9657

## Section 1. Identification

**Product identifier** : Early Access OneSeq Phased Exome Target Enrichment Box 2, Part Number 5190-9657

**Part no. (chemical kit)** : 5190-9657

**Part no.** : SureSelect Hyb 3 5190-4382  
 SureSelect RNase Block 5190-4383  
 OneSeq Phased Exome Blocker Mix 5190-9656

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

**Material uses** : Analytical reagent.

SureSelect Hyb 3	0.16 ml
SureSelect RNase Block	0.016 ml
OneSeq Phased Exome Blocker Mix	0.144 ml

**Supplier/Manufacturer** : Agilent Technologies Australia Pty Ltd  
 679 Springvale Road  
 Mulgrave  
 Victoria 3170, Australia  
 1800 802 402

**Emergency telephone number (with hours of operation)** : CHEMTREC®: +(61)-290372994

## Section 2. Hazard(s) identification

Classification of the substance or mixture

Not classified.

SureSelect Hyb 3	Percentage of the mixture consisting of ingredient(s) of unknown dermal toxicity: 1 - 10%
	Percentage of the mixture consisting of ingredient(s) of unknown inhalation toxicity: 1 - 10%
	Percentage of the mixture consisting of ingredient(s) of unknown oral toxicity: 1 - 10%
SureSelect RNase Block	Percentage of the mixture consisting of ingredient(s) of unknown inhalation toxicity: 30 - 60%
SureSelect Hyb 3	Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 1%

GHS label elements

**Signal word** : SureSelect Hyb 3 No signal word.  
 SureSelect RNase Block No signal word.  
 OneSeq Phased Exome Blocker Mix No signal word.

**Hazard statements** : SureSelect Hyb 3 No known significant effects or critical hazards.  
 SureSelect RNase Block No known significant effects or critical hazards.  
 OneSeq Phased Exome Blocker Mix No known significant effects or critical hazards.

Precautionary statements

**Prevention** : SureSelect Hyb 3 Not applicable.  
 SureSelect RNase Block Not applicable.  
 OneSeq Phased Exome Blocker Mix Not applicable.

## Section 2. Hazard(s) identification

<b>Response</b>	: SureSelect Hyb 3 SureSelect RNase Block OneSeq Phased Exome Blocker Mix	Not applicable. Not applicable. Not applicable.
<b>Storage</b>	: SureSelect Hyb 3 SureSelect RNase Block OneSeq Phased Exome Blocker Mix	Not applicable. Not applicable. Not applicable.
<b>Disposal</b>	: SureSelect Hyb 3 SureSelect RNase Block OneSeq Phased Exome Blocker Mix	Not applicable. Not applicable. Not applicable.
<b>Supplemental label elements</b>		
<b>Additional warning phrases</b>	: SureSelect Hyb 3 SureSelect RNase Block OneSeq Phased Exome Blocker Mix	Not applicable. Not applicable. Not applicable.
<b>Other hazards which do not result in classification</b>	: SureSelect Hyb 3 SureSelect RNase Block OneSeq Phased Exome Blocker Mix	None known. None known. None known.

## Section 3. Composition and ingredient information

<b>Substance/mixture</b>	: SureSelect Hyb 3 SureSelect RNase Block OneSeq Phased Exome Blocker Mix	Mixture Mixture Mixture
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### CAS number/other identifiers

Ingredient name	% (w/w)	CAS number
SureSelect RNase Block Glycerol	≥30 - ≤60	56-81-5

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.

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

## Section 4. First aid measures

### Description of necessary first aid measures

<b>Eye contact</b>	: 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 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.
	OneSeq Phased Exome Blocker Mix	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.

## Section 4. First aid measures

<b>Inhalation</b>	: 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 RNase Block	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	OneSeq Phased Exome Blocker Mix	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
<b>Skin contact</b>	: SureSelect Hyb 3	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	SureSelect RNase Block	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	OneSeq Phased Exome Blocker Mix	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
<b>Ingestion</b>	: 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 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.
	OneSeq Phased Exome Blocker Mix	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.

### Most important symptoms/effects, acute and delayed

#### Potential acute health effects

<b>Eye contact</b>	: SureSelect Hyb 3	No known significant effects or critical hazards.
	SureSelect RNase Block	No known significant effects or critical hazards.
	OneSeq Phased Exome Blocker Mix	No known significant effects or critical hazards.
<b>Inhalation</b>	: SureSelect Hyb 3	No known significant effects or critical hazards.
	SureSelect RNase Block	No known significant effects or critical hazards.
	OneSeq Phased Exome Blocker Mix	No known significant effects or critical hazards.
<b>Skin contact</b>	: SureSelect Hyb 3	No known significant effects or critical hazards.
	SureSelect RNase Block	No known significant effects or critical hazards.
	OneSeq Phased Exome Blocker Mix	No known significant effects or critical hazards.
<b>Ingestion</b>	: SureSelect Hyb 3	No known significant effects or critical hazards.
	SureSelect RNase Block	No known significant effects or critical hazards.
	OneSeq Phased Exome Blocker Mix	No known significant effects or critical hazards.

## Section 4. First aid measures

### Over-exposure signs/symptoms

<b>Eye contact</b>	: SureSelect Hyb 3	No specific data.
	SureSelect RNase Block	No specific data.
	OneSeq Phased Exome	No specific data.
	Blocker Mix	
<b>Inhalation</b>	: SureSelect Hyb 3	No specific data.
	SureSelect RNase Block	No specific data.
	OneSeq Phased Exome	No specific data.
	Blocker Mix	
<b>Skin contact</b>	: SureSelect Hyb 3	No specific data.
	SureSelect RNase Block	No specific data.
	OneSeq Phased Exome	No specific data.
	Blocker Mix	
<b>Ingestion</b>	: SureSelect Hyb 3	No specific data.
	SureSelect RNase Block	No specific data.
	OneSeq Phased Exome	No specific data.
	Blocker Mix	

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

<b>Notes to physician</b>	: 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 RNase Block	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	OneSeq Phased Exome Blocker Mix	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
<b>Specific treatments</b>	: SureSelect Hyb 3	No specific treatment.
	SureSelect RNase Block	No specific treatment.
	OneSeq Phased Exome	No specific treatment.
	Blocker Mix	
<b>Protection of first-aiders</b>	: SureSelect Hyb 3	No action shall be taken involving any personal risk or without suitable training.
	SureSelect RNase Block	No action shall be taken involving any personal risk or without suitable training.
	OneSeq Phased Exome Blocker Mix	No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

## Section 5. Firefighting measures

### Extinguishing media

<b>Suitable extinguishing media</b>	: SureSelect Hyb 3	Use an extinguishing agent suitable for the surrounding fire.
	SureSelect RNase Block	Use an extinguishing agent suitable for the surrounding fire.
	OneSeq Phased Exome Blocker Mix	Use an extinguishing agent suitable for the surrounding fire.
<b>Unsuitable extinguishing media</b>	: SureSelect Hyb 3	None known.
	SureSelect RNase Block	None known.
	OneSeq Phased Exome	None known.
	Blocker Mix	

## Section 5. Firefighting measures

<b>Specific hazards arising from the chemical</b>	: SureSelect Hyb 3	In a fire or if heated, a pressure increase will occur and the container may burst.
	SureSelect RNase Block	In a fire or if heated, a pressure increase will occur and the container may burst.
	OneSeq Phased Exome Blocker Mix	In a fire or if heated, a pressure increase will occur and the container may burst.
<b>Hazardous thermal decomposition products</b>	: SureSelect Hyb 3	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides sulfur oxides halogenated compounds carbonyl halides
	SureSelect RNase Block	Decomposition products may include the following materials: carbon dioxide carbon monoxide
	OneSeq Phased Exome Blocker Mix	No specific data.
<b>Special protective actions for fire-fighters</b>	: 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 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.
	OneSeq Phased Exome Blocker Mix	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
<b>Special protective equipment for fire-fighters</b>	: 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.
	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.
	OneSeq Phased Exome Blocker Mix	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## Section 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

<b>For non-emergency personnel</b>	: 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 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. Put on appropriate personal protective equipment.
	OneSeq Phased Exome	No action shall be taken involving any personal risk

## Section 6. Accidental release measures

Blocker Mix

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 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 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".

OneSeq Phased Exome Blocker Mix

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".

**Environmental precautions** : 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 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).

OneSeq Phased Exome Blocker Mix

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).

### Methods and material for containment and cleaning up

**Methods for cleaning up** : 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 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.

OneSeq Phased Exome Blocker Mix

Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

## Section 7. Handling and storage

### Precautions for safe handling

<b>Protective measures</b>	: SureSelect Hyb 3	Put on appropriate personal protective equipment (see Section 8).
	SureSelect RNase Block	Put on appropriate personal protective equipment (see Section 8).
	OneSeq Phased Exome Blocker Mix	Put on appropriate personal protective equipment (see Section 8).
<b>Advice on general occupational hygiene</b>	: 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 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.
	OneSeq Phased Exome Blocker Mix	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
<b>Conditions for safe storage, including any incompatibilities</b>	: 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. See Section 10 for incompatible materials before handling or use.
	SureSelect RNase Block	Storage temperature: -80°C (-112°F). Store in accordance with local regulations. Shelf life: 1 Year. 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. See Section 10 for incompatible materials before handling or use.
	OneSeq Phased Exome Blocker Mix	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for

## Section 7. Handling and storage

incompatible materials before handling or use.

## Section 8. Exposure controls and personal protection

### Control parameters

### Occupational exposure limits

Ingredient name	Exposure limits
<input checked="" type="checkbox"/> SureSelect RNase Block Glycerol	<b>Safe Work Australia (Australia, 4/2018).</b> TWA: 10 mg/m <sup>3</sup> 8 hours.

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

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

### Individual protection measures

**Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

### Skin protection

**Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

**Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Respiratory protection** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

## Section 9. Physical and chemical properties

### Appearance

<b>Physical state</b>	: <input checked="" type="checkbox"/> SureSelect Hyb 3	Liquid.
	SureSelect RNase Block	Liquid.
	OneSeq Phased Exome Blocker Mix	Liquid.
<b>Colour</b>	: <input checked="" type="checkbox"/> SureSelect Hyb 3	Not available.
	SureSelect RNase Block	Not available.
	OneSeq Phased Exome Blocker Mix	Not available.



## Section 9. Physical and chemical properties

<b>Odour</b>	: SureSelect Hyb 3 SureSelect RNase Block OneSeq Phased Exome Blocker Mix	Not available. Not available. Not available.
<b>Odour threshold</b>	: SureSelect Hyb 3 SureSelect RNase Block OneSeq Phased Exome Blocker Mix	Not available. Not available. Not available.
<b>pH</b>	: SureSelect Hyb 3 SureSelect RNase Block OneSeq Phased Exome Blocker Mix	7 7.6 7.5
<b>Melting point</b>	: SureSelect Hyb 3 SureSelect RNase Block OneSeq Phased Exome Blocker Mix	0°C (32°F) Not available. 0°C (32°F)
<b>Boiling point</b>	: SureSelect Hyb 3 SureSelect RNase Block OneSeq Phased Exome Blocker Mix	100°C (212°F) Not available. 100°C (212°F)
<b>Flash point</b>	: SureSelect Hyb 3 SureSelect RNase Block OneSeq Phased Exome Blocker Mix	Not available. Not available. Not available.
<b>Evaporation rate</b>	: SureSelect Hyb 3 SureSelect RNase Block OneSeq Phased Exome Blocker Mix	Not available. Not available. Not available.
<b>Flammability (solid, gas)</b>	: SureSelect Hyb 3 SureSelect RNase Block OneSeq Phased Exome Blocker Mix	Not applicable. Not applicable. Not applicable.
<b>Lower and upper explosive (flammable) limits</b>	: SureSelect Hyb 3 SureSelect RNase Block OneSeq Phased Exome Blocker Mix	Not available. Not available. Not available.
<b>Vapour pressure</b>	: SureSelect Hyb 3 SureSelect RNase Block OneSeq Phased Exome Blocker Mix	Not available. Not available. Not available.
<b>Vapour density</b>	: SureSelect Hyb 3 SureSelect RNase Block OneSeq Phased Exome Blocker Mix	Not available. Not available. Not available.
<b>Relative density</b>	: SureSelect Hyb 3 SureSelect RNase Block OneSeq Phased Exome Blocker Mix	Not available. Not available. Not available.
<b>Solubility</b>	: SureSelect Hyb 3  SureSelect RNase Block  OneSeq Phased Exome Blocker Mix	Easily soluble in the following materials: cold water and hot water.  Soluble in the following materials: cold water and hot water.  Easily soluble in the following materials: cold water and hot water.
<b>Partition coefficient: n-octanol/water</b>	: SureSelect Hyb 3 SureSelect RNase Block OneSeq Phased Exome Blocker Mix	Not available. Not available. Not available.

## Section 9. Physical and chemical properties

<b>Auto-ignition temperature</b>	: SureSelect Hyb 3 SureSelect RNase Block OneSeq Phased Exome Blocker Mix	Not available. Not available. Not available.
<b>Decomposition temperature</b>	: SureSelect Hyb 3 SureSelect RNase Block OneSeq Phased Exome Blocker Mix	Not available. Not available. Not available.
<b>Viscosity</b>	: SureSelect Hyb 3 SureSelect RNase Block OneSeq Phased Exome Blocker Mix	Not available. Not available. Not available.

## Section 10. Stability and reactivity

<b>Reactivity</b>	: SureSelect Hyb 3  SureSelect RNase Block  OneSeq Phased Exome Blocker Mix	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.
<b>Chemical stability</b>	: SureSelect Hyb 3 SureSelect RNase Block OneSeq Phased Exome Blocker Mix	The product is stable. The product is stable. The product is stable.
<b>Possibility of hazardous reactions</b>	: SureSelect Hyb 3  SureSelect RNase Block  OneSeq Phased Exome Blocker Mix	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.
<b>Conditions to avoid</b>	: SureSelect Hyb 3 SureSelect RNase Block OneSeq Phased Exome Blocker Mix	No specific data. No specific data. No specific data.
<b>Incompatible materials</b>	: SureSelect Hyb 3 SureSelect RNase Block OneSeq Phased Exome Blocker Mix	May react or be incompatible with oxidising materials. May react or be incompatible with oxidising materials. May react or be incompatible with oxidising materials.
<b>Hazardous decomposition products</b>	: SureSelect Hyb 3  SureSelect RNase Block  OneSeq Phased Exome Blocker Mix	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

### Information on toxicological effects

#### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
SureSelect RNase Block Glycerol	LD50 Oral	Rat	12600 mg/kg	-

#### 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	-

#### Sensitisation

Not available.

#### Mutagenicity

Conclusion/Summary : Not available.

#### Carcinogenicity

Conclusion/Summary : Not available.

#### Reproductive toxicity

Conclusion/Summary : Not available.

#### Teratogenicity

Conclusion/Summary : Not available.

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

Not available.

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

Not available.

#### Aspiration hazard

Not available.

**Information on likely routes of exposure** : SureSelect Hyb 3  
SureSelect RNase Block  
OneSeq Phased Exome  
Blocker Mix

Not available.  
Routes of entry anticipated: Oral, Dermal, Inhalation.  
Not available.

#### Potential acute health effects

**Eye contact** : SureSelect Hyb 3  
SureSelect RNase Block  
OneSeq Phased Exome  
Blocker Mix

No known significant effects or critical hazards.  
No known significant effects or critical hazards.  
No known significant effects or critical hazards.

**Inhalation** : SureSelect Hyb 3  
SureSelect RNase Block  
OneSeq Phased Exome  
Blocker Mix

No known significant effects or critical hazards.  
No known significant effects or critical hazards.  
No known significant effects or critical hazards.

**Skin contact** : SureSelect Hyb 3  
SureSelect RNase Block  
OneSeq Phased Exome  
Blocker Mix

No known significant effects or critical hazards.  
No known significant effects or critical hazards.  
No known significant effects or critical hazards.

**Ingestion** : SureSelect Hyb 3  
SureSelect RNase Block  
OneSeq Phased Exome  
Blocker Mix

No known significant effects or critical hazards.  
No known significant effects or critical hazards.  
No known significant effects or critical hazards.

## Section 11. Toxicological information

### Symptoms related to the physical, chemical and toxicological characteristics

<b>Eye contact</b>	: SureSelect Hyb 3 SureSelect RNase Block OneSeq Phased Exome Blocker Mix	No specific data. No specific data. No specific data.
<b>Inhalation</b>	: SureSelect Hyb 3 SureSelect RNase Block OneSeq Phased Exome Blocker Mix	No specific data. No specific data. No specific data.
<b>Skin contact</b>	: SureSelect Hyb 3 SureSelect RNase Block OneSeq Phased Exome Blocker Mix	No specific data. No specific data. No specific data.
<b>Ingestion</b>	: SureSelect Hyb 3 SureSelect RNase Block OneSeq Phased Exome Blocker Mix	No specific data. No specific data. 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

<b>General</b>	: SureSelect Hyb 3 SureSelect RNase Block OneSeq Phased Exome Blocker Mix	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
<b>Carcinogenicity</b>	: SureSelect Hyb 3 SureSelect RNase Block OneSeq Phased Exome Blocker Mix	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
<b>Mutagenicity</b>	: SureSelect Hyb 3 SureSelect RNase Block OneSeq Phased Exome Blocker Mix	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
<b>Teratogenicity</b>	: SureSelect Hyb 3 SureSelect RNase Block OneSeq Phased Exome Blocker Mix	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
<b>Developmental effects</b>	: SureSelect Hyb 3 SureSelect RNase Block OneSeq Phased Exome Blocker Mix	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
<b>Fertility effects</b>	: SureSelect Hyb 3 SureSelect RNase Block OneSeq Phased Exome Blocker Mix	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.

### Numerical measures of toxicity

#### Acute toxicity estimates

Not available.

## Section 11. Toxicological information

## Section 12. Ecological information

### Toxicity

Product/ingredient name	Result	Species	Exposure
SureSelect RNase Block Glycerol	Acute LC50 54000 mg/l Fresh water	Fish - Oncorhynchus mykiss	96 hours

### Persistence and degradability

Product/ingredient name	Test	Result	Dose	Inoculum
SureSelect RNase Block Glycerol	301D Ready Biodegradability - Closed Bottle Test	93 % - 30 days	-	-

### Bioaccumulative potential

Product/ingredient name	LogP <sub>ow</sub>	BCF	Potential
SureSelect RNase Block Glycerol	-1.76	-	low

### Mobility in soil

Soil/water partition coefficient (K<sub>oc</sub>) : Not available.

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

## Section 13. Disposal considerations

**Disposal methods** : The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

## Section 14. Transport information

**ADG / IMDG / IATA** : Not regulated as Dangerous Goods according to the ADG Code .

**Special precautions for user** : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

**Transport in bulk according to Annex II of Marpol and the IBC Code** : Not available.

## Section 15. Regulatory information

### Standard Uniform Schedule of Medicine and Poisons



### Model Work Health and Safety Regulations - Scheduled Substances

No listed substance

### International regulations

#### Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

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

Not listed.

#### Stockholm Convention on Persistent Organic Pollutants

Not listed.

#### Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

#### UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

### Inventory list

<b>Australia</b>	: Not determined.
<b>Canada</b>	:  Not determined.
<b>China</b>	: All components are listed or exempted.
<b>Europe</b>	: All components are listed or exempted.
<b>Japan</b>	: <b>Japan inventory (ENCS)</b> : Not determined. <b>Japan inventory (ISHL)</b> : Not determined.
<b>Malaysia</b>	: Not determined.
<b>New Zealand</b>	: Not determined.
<b>Philippines</b>	: Not determined.
<b>Republic of Korea</b>	: Not determined.
<b>Taiwan</b>	: All components are listed or exempted.
<b>Thailand</b>	:  Not determined.
<b>Turkey</b>	: Not determined.
<b>United States</b>	: All components are listed or exempted.
<b>Viet Nam</b>	:  Not determined.

## Section 16. Any other relevant information

### History

**Date of issue/Date of revision** : 22/11/2018

**Date of previous issue** : 12/09/2016

**Version** : 2

### Key to abbreviations

: ADG = Australian Dangerous Goods  
 ATE = Acute Toxicity Estimate  
 BCF = Bioconcentration Factor  
 GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
 IATA = International Air Transport Association  
 IBC = Intermediate Bulk Container  
 IMDG = International Maritime Dangerous Goods  
 LogPow = logarithm of the octanol/water partition coefficient  
 MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)  
 NOHSC = National Occupational Health and Safety Commission

## Section 16. Any other relevant information

SUSMP = Standard Uniform Schedule of Medicine and Poisons  
UN = United Nations

### Procedure used to derive the classification

Classification	Justification
Not classified.	

**References** : Not available.

✔ Indicates information that has changed from previously issued version.

### Notice to reader

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