

SAFETY DATA SHEET



OneSeq Phased Exome Target Enrichment Box 2, 16 reactions, Part Number
5190-9660

Section 1. Identification

Product identifier : OneSeq Phased Exome Target Enrichment Box 2, 16 reactions, Part Number
5190-9660

Part No. (Chemical Kit) : 5190-9660

Part No. : OneSeq Hyb 3 5190-9658
OneSeq RNase Block 5190-9659
OneSeq Phased Exome Blocker Mix 5190-9656

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

Analytical reagent.

OneSeq Hyb 3	0.16 ml
OneSeq 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.

OneSeq Hyb 3	Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 1%
OneSeq Hyb 3	Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 1%

GHS label elements

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

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

Precautionary statements

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

Response : OneSeq Hyb 3 Not applicable.
OneSeq RNase Block Not applicable.
OneSeq Phased Exome Blocker Mix Not applicable.

Section 2. Hazard(s) identification

Storage	: OneSeq Hyb 3 OneSeq RNase Block OneSeq Phased Exome Blocker Mix	Not applicable. Not applicable. Not applicable.
Disposal	: OneSeq Hyb 3 OneSeq RNase Block OneSeq Phased Exome Blocker Mix	Not applicable. Not applicable. Not applicable.
Supplemental label elements	: OneSeq Hyb 3 OneSeq RNase Block OneSeq Phased Exome Blocker Mix	Not applicable. Not applicable. Not applicable.
Other hazards which do not result in classification	: OneSeq Hyb 3 OneSeq RNase Block OneSeq Phased Exome Blocker Mix	None known. None known. None known.

Section 3. Composition and ingredient information

Substance/mixture	: OneSeq Hyb 3 OneSeq RNase Block OneSeq Phased Exome Blocker Mix	Mixture Mixture Mixture
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CAS number/other identifiers

Ingredient name	% (w/w)	CAS number
OneSeq 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

Eye contact	: OneSeq Hyb 3 OneSeq RNase Block 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. 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. 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	: OneSeq Hyb 3 OneSeq RNase Block OneSeq Phased Exome	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. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. Remove victim to fresh air and keep at rest in a

Section 4. First aid measures

	Blocker Mix	position comfortable for breathing. Get medical attention if symptoms occur.
Skin contact	: OneSeq Hyb 3	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	OneSeq 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.
Ingestion	: OneSeq 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.
	OneSeq 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

Eye contact	: OneSeq Hyb 3 OneSeq 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	: OneSeq Hyb 3 OneSeq 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	: OneSeq Hyb 3 OneSeq 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	: OneSeq Hyb 3 OneSeq 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.

Over-exposure signs/symptoms

Eye contact	: OneSeq Hyb 3 OneSeq RNase Block OneSeq Phased Exome Blocker Mix	No specific data. No specific data. No specific data.
Inhalation	: OneSeq Hyb 3 OneSeq RNase Block OneSeq Phased Exome Blocker Mix	No specific data. No specific data. No specific data.

Section 4. First aid measures

Skin contact	: OneSeq Hyb 3	No specific data.
	OneSeq RNase Block	No specific data.
	OneSeq Phased Exome Blocker Mix	No specific data.
Ingestion	: OneSeq Hyb 3	No specific data.
	OneSeq RNase Block	No specific data.
	OneSeq Phased Exome Blocker Mix	No specific data.

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

Notes to physician	: OneSeq 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.
	OneSeq 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.
Specific treatments	: OneSeq Hyb 3	No specific treatment.
	OneSeq RNase Block	No specific treatment.
	OneSeq Phased Exome Blocker Mix	No specific treatment.
Protection of first-aiders	: OneSeq Hyb 3	No action shall be taken involving any personal risk or without suitable training.
	OneSeq 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

Suitable extinguishing media	: OneSeq Hyb 3	Use an extinguishing agent suitable for the surrounding fire.
	OneSeq 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.
Unsuitable extinguishing media	: OneSeq Hyb 3	None known.
	OneSeq RNase Block	None known.
	OneSeq Phased Exome Blocker Mix	None known.
Specific hazards arising from the chemical	: OneSeq Hyb 3	In a fire or if heated, a pressure increase will occur and the container may burst.
	OneSeq 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.
Hazardous thermal decomposition products	: OneSeq Hyb 3	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides halogenated compounds carbonyl halides

Section 5. Firefighting measures

	OneSeq RNase Block	Decomposition products may include the following materials: carbon dioxide carbon monoxide
	OneSeq Phased Exome Blocker Mix	No specific data.
Special protective actions for fire-fighters	: OneSeq 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.
	OneSeq 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.
Special protective equipment for fire-fighters	: OneSeq 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.
	OneSeq 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

For non-emergency personnel	: OneSeq 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.
	OneSeq 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 Blocker Mix	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
For emergency responders	: OneSeq 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".
	OneSeq 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	If specialised clothing is required to deal with the

Section 6. Accidental release measures

Blocker Mix 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	: OneSeq 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).
	OneSeq 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	: OneSeq 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.
	OneSeq 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

Protective measures	: OneSeq Hyb 3	Put on appropriate personal protective equipment (see Section 8).
	OneSeq 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).
Advice on general occupational hygiene	: OneSeq 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.
	OneSeq 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

Section 7. Handling and storage

OneSeq Phased Exome Blocker Mix

additional information on hygiene measures. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Conditions for safe storage, including any incompatibilities : OneSeq 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.

OneSeq 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.

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.

Section 8. Exposure controls and personal protection

Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
OneSeq RNase Block Glycerol	Safe Work Australia (Australia, 1/2014). TWA: 10 mg/m ³ 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

Section 8. Exposure controls and personal protection

- 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

Physical state	:	OneSeq Hyb 3	Liquid.
		OneSeq RNase Block	Liquid.
		OneSeq Phased Exome Blocker Mix	Liquid.
Colour	:	OneSeq Hyb 3	Not available.
		OneSeq RNase Block	Not available.
		OneSeq Phased Exome Blocker Mix	Not available.
Odour	:	OneSeq Hyb 3	Not available.
		OneSeq RNase Block	Not available.
		OneSeq Phased Exome Blocker Mix	Not available.
Odour threshold	:	OneSeq Hyb 3	Not available.
		OneSeq RNase Block	Not available.
		OneSeq Phased Exome Blocker Mix	Not available.
pH	:	OneSeq Hyb 3	7
		OneSeq RNase Block	7.6
		OneSeq Phased Exome Blocker Mix	7.5
Melting point	:	OneSeq Hyb 3	0°C (32°F)
		OneSeq RNase Block	Not available.
		OneSeq Phased Exome Blocker Mix	0°C (32°F)
Boiling point	:	OneSeq Hyb 3	100°C (212°F)
		OneSeq RNase Block	Not available.
		OneSeq Phased Exome Blocker Mix	100°C (212°F)
Flash point	:	OneSeq Hyb 3	Not available.
		OneSeq RNase Block	Not available.
		OneSeq Phased Exome Blocker Mix	Not available.

Section 9. Physical and chemical properties

Evaporation rate	: OneSeq Hyb 3 OneSeq RNase Block OneSeq Phased Exome Blocker Mix	Not available. Not available. Not available.
Flammability (solid, gas)	: OneSeq Hyb 3 OneSeq RNase Block OneSeq Phased Exome Blocker Mix	Not applicable. Not applicable. Not applicable.
Lower and upper explosive (flammable) limits	: OneSeq Hyb 3 OneSeq RNase Block OneSeq Phased Exome Blocker Mix	Not available. Not available. Not available.
Vapour pressure	: OneSeq Hyb 3 OneSeq RNase Block OneSeq Phased Exome Blocker Mix	Not available. Not available. Not available.
Vapour density	: OneSeq Hyb 3 OneSeq RNase Block OneSeq Phased Exome Blocker Mix	Not available. Not available. Not available.
Relative density	: OneSeq Hyb 3 OneSeq RNase Block OneSeq Phased Exome Blocker Mix	Not available. Not available. Not available.
Solubility	: OneSeq Hyb 3 OneSeq 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.
Partition coefficient: n-octanol/water	: OneSeq Hyb 3 OneSeq RNase Block OneSeq Phased Exome Blocker Mix	Not available. Not available. Not available.
Auto-ignition temperature	: OneSeq Hyb 3 OneSeq RNase Block OneSeq Phased Exome Blocker Mix	Not available. Not available. Not available.
Decomposition temperature	: OneSeq Hyb 3 OneSeq RNase Block OneSeq Phased Exome Blocker Mix	Not available. Not available. Not available.
Viscosity	: OneSeq Hyb 3 OneSeq RNase Block OneSeq Phased Exome Blocker Mix	Not available. Not available. Not available.

Section 10. Stability and reactivity

Reactivity	: OneSeq Hyb 3 OneSeq 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.
Chemical stability	: OneSeq Hyb 3 OneSeq RNase Block OneSeq Phased Exome Blocker Mix	The product is stable. The product is stable. The product is stable.

Section 10. Stability and reactivity

Possibility of hazardous reactions	: OneSeq Hyb 3	Under normal conditions of storage and use, hazardous reactions will not occur.
	OneSeq RNase Block	Under normal conditions of storage and use, hazardous reactions will not occur.
	OneSeq Phased Exome Blocker Mix	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	: OneSeq Hyb 3	No specific data.
	OneSeq RNase Block	No specific data.
	OneSeq Phased Exome Blocker Mix	No specific data.
Incompatible materials	: OneSeq Hyb 3	May react or be incompatible with oxidising materials.
	OneSeq RNase Block	May react or be incompatible with oxidising materials.
	OneSeq Phased Exome Blocker Mix	May react or be incompatible with oxidising materials.
Hazardous decomposition products	: OneSeq Hyb 3	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	OneSeq RNase Block	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	OneSeq Phased Exome Blocker Mix	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
OneSeq RNase Block Glycerol	LD50 Oral	Rat	12600 mg/kg	-

Irritation/Corrosion

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

Sensitisation

Not available.

Mutagenicity

Not available.

Carcinogenicity

Not available.

Reproductive toxicity

Not available.

Teratogenicity

Not available.

Specific target organ toxicity (single exposure)

Section 11. Toxicological information

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Information on likely routes of exposure : OneSeq Hyb 3 Not available.
OneSeq RNase Block Routes of entry anticipated: Oral, Dermal, Inhalation.
OneSeq Phased Exome Not available.
Blocker Mix

Potential acute health effects

Eye contact : OneSeq Hyb 3 No known significant effects or critical hazards.
OneSeq RNase Block No known significant effects or critical hazards.
OneSeq Phased Exome No known significant effects or critical hazards.
Blocker Mix

Inhalation : OneSeq Hyb 3 No known significant effects or critical hazards.
OneSeq RNase Block No known significant effects or critical hazards.
OneSeq Phased Exome No known significant effects or critical hazards.
Blocker Mix

Skin contact : OneSeq Hyb 3 No known significant effects or critical hazards.
OneSeq RNase Block No known significant effects or critical hazards.
OneSeq Phased Exome No known significant effects or critical hazards.
Blocker Mix

Ingestion : OneSeq Hyb 3 No known significant effects or critical hazards.
OneSeq RNase Block No known significant effects or critical hazards.
OneSeq Phased Exome No known significant effects or critical hazards.
Blocker Mix

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : OneSeq Hyb 3 No specific data.
OneSeq RNase Block No specific data.
OneSeq Phased Exome No specific data.
Blocker Mix

Inhalation : OneSeq Hyb 3 No specific data.
OneSeq RNase Block No specific data.
OneSeq Phased Exome No specific data.
Blocker Mix

Skin contact : OneSeq Hyb 3 No specific data.
OneSeq RNase Block No specific data.
OneSeq Phased Exome No specific data.
Blocker Mix

Ingestion : OneSeq Hyb 3 No specific data.
OneSeq RNase Block No specific data.
OneSeq Phased Exome No specific data.
Blocker Mix

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.

Section 11. Toxicological information

Potential chronic health effects

Not available.

General	: OneSeq Hyb 3 OneSeq 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.
Carcinogenicity	: OneSeq Hyb 3 OneSeq 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.
Mutagenicity	: OneSeq Hyb 3 OneSeq 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.
Teratogenicity	: OneSeq Hyb 3 OneSeq 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.
Developmental effects	: OneSeq Hyb 3 OneSeq 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.
Fertility effects	: OneSeq Hyb 3 OneSeq 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 12. Ecological information

Toxicity

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

Persistence and degradability

Not available.

Bioaccumulative potential

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

Mobility in soil

Soil/water partition coefficient (K_{oc}) : 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

Regulatory 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

Not regulated.

Model Work Health and Safety Regulations - Scheduled Substances

No listed substance

Australia inventory (AICS) : Not determined.

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.

International lists

National inventory

Canada : Not determined.

China : All components are listed or exempted.

Europe : All components are listed or exempted.

Japan : **Japan inventory (ENCS):** Not determined.
Japan inventory (ISHL): All components are listed or exempted.

Malaysia : Not determined.

New Zealand : Not determined.

Section 15. Regulatory information

- 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.

Section 16. Any other relevant information

History

- Date of issue/Date of revision** : 20/10/2016
- Date of previous issue** : No previous validation.
- Version** : 1

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
- 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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