

SAFETY DATA SHEET

SureSelect Target Enrichment Box 2

Section 1. Identification

Product identifier	: SureSelect Target Enrichment Box 2
Part no. (chemical kit)	: 5190-6261, 5190-6262
Part no.	: SureSelect RNase Block 5190-4383 / 5190-4386
	SureSelect Indexing Block 1 5190-4427 / 5972-3697
	SureSelect Block 2 5190-4381 / 5972-3698
	SureSelect ILM Indexing Block 3 5190-4445 / 5972-3699
	SureSelect Hyb 3 5190-4382 / 5190-4385

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

Identified uses	: <input type="checkbox"/> Analytical reagent.
	<input checked="" type="checkbox"/> SureSelect RNase Block 0.016 - 0.096 ml
	SureSelect Indexing Block 1 0.045 - 0.3 ml
	SureSelect Block 2 0.045 - 0.3 ml
	SureSelect Indexing Block 3 0.012 - 0.075 ml
	SureSelect Hyb 3 0.16 - 0.96 ml

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

Emergency telephone number (with hours of operation)	: CHEMTREC®: 1-800-424-9300
---	-----------------------------

Section 2. Hazard identification

Classification of the substance or mixture

<input checked="" type="checkbox"/> SureSelect RNase Block H320	EYE IRRITATION - Category 2B
--	------------------------------


GHS label elements

Signal word	: SureSelect RNase Block Warning
	SureSelect Indexing Block 1 No signal word.
	SureSelect Block 2 No signal word.
	SureSelect Indexing Block 3 No signal word.
	SureSelect Hyb 3 No signal word.
Hazard statements	: SureSelect RNase Block H320 - Causes eye irritation.
	SureSelect Indexing Block 1 No known significant effects or critical hazards.
	SureSelect Block 2 No known significant effects or critical hazards.
	SureSelect Indexing Block 3 No known significant effects or critical hazards.
	SureSelect Hyb 3 No known significant effects or critical hazards.

Precautionary statements


Prevention	: SureSelect RNase Block Not applicable.
	SureSelect Indexing Block 1 Not applicable.
	SureSelect Block 2 Not applicable.
	SureSelect Indexing Block 3 Not applicable.
	SureSelect Hyb 3 Not applicable.

Section 2. Hazard identification

Response	: SureSelect RNase Block	P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 - If eye irritation persists: Get medical advice or attention.
	SureSelect Indexing Block 1	Not applicable.
	SureSelect Block 2	Not applicable.
	SureSelect Indexing Block 3	Not applicable.
	SureSelect Hyb 3	Not applicable.
Storage	: SureSelect RNase Block	Not applicable.
	SureSelect Indexing Block 1	Not applicable.
	SureSelect Block 2	Not applicable.
	SureSelect Indexing Block 3	Not applicable.
	SureSelect Hyb 3	Not applicable.
Disposal	: SureSelect RNase Block	Not applicable.
	SureSelect Indexing Block 1	Not applicable.
	SureSelect Block 2	Not applicable.
	SureSelect Indexing Block 3	Not applicable.
	SureSelect Hyb 3	Not applicable.
Supplemental label elements	: SureSelect RNase Block	None known.
	SureSelect Indexing Block 1	None known.
	SureSelect Block 2	None known.
	SureSelect Indexing Block 3	None known.
	SureSelect Hyb 3	None known.
	 SureSelect Hyb 3	Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 3%
Other hazards which do not result in classification	: SureSelect RNase Block	None known.
	SureSelect Indexing Block 1	None known.
	SureSelect Block 2	None known.
	SureSelect Indexing Block 3	None known.
	SureSelect Hyb 3	None known.

Section 3. Composition/information on ingredients

Substance/mixture	: SureSelect RNase Block	Mixture
	SureSelect Indexing Block 1	Mixture
	SureSelect Block 2	Mixture
	SureSelect Indexing Block 3	Mixture
	SureSelect Hyb 3	Mixture

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

Ranges if listed above for hazardous ingredient(s) are prescribed ranges. The actual concentration(s) or actual concentration range(s) are being withheld as a trade secret.

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

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

Section 4. First-aid measures

Description of necessary first aid measures

Eye contact

- : SureSelect RNase Block Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. If irritation persists, get medical attention.
- SureSelect Indexing 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 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 Indexing Block 3 Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
- 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.

Inhalation

- : SureSelect RNase Block Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
- SureSelect Indexing Block 1 Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
- 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 Indexing Block 3 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.

Skin contact

- : SureSelect RNase Block Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- SureSelect Indexing Block 1 Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
- SureSelect Block 2 Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
- SureSelect Indexing Block 3 Flush contaminated skin with plenty of water.

Section 4. First-aid measures

Ingestion

SureSelect Hyb 3

Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

Flush contaminated skin with plenty of water.

Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

: SureSelect RNase Block

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

SureSelect Indexing Block 1

Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

SureSelect Block 2

Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

SureSelect Indexing Block 3

Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

SureSelect Hyb 3

Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact

: SureSelect RNase Block
SureSelect Indexing Block 1
SureSelect Block 2
SureSelect Indexing Block 3
SureSelect Hyb 3

Causes eye irritation.

No known significant effects or critical hazards.

No known significant effects or critical hazards.

No known significant effects or critical hazards.

No known significant effects or critical hazards.

Inhalation

: SureSelect RNase Block
SureSelect Indexing Block 1
SureSelect Block 2
SureSelect Indexing Block 3
SureSelect Hyb 3

No known significant effects or critical hazards.

No known significant effects or critical hazards.

No known significant effects or critical hazards.

No known significant effects or critical hazards.

No known significant effects or critical hazards.

Skin contact

: SureSelect RNase Block
SureSelect Indexing Block 1
SureSelect Block 2
SureSelect Indexing Block 3
SureSelect Hyb 3

No known significant effects or critical hazards.

No known significant effects or critical hazards.

No known significant effects or critical hazards.

No known significant effects or critical hazards.

No known significant effects or critical hazards.

Section 4. First-aid measures

Ingestion	: SureSelect RNase Block	No known significant effects or critical hazards.
	SureSelect Indexing Block 1	No known significant effects or critical hazards.
	SureSelect Block 2	No known significant effects or critical hazards.
	SureSelect Indexing Block 3	No known significant effects or critical hazards.
	SureSelect Hyb 3	No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact	: SureSelect RNase Block	Adverse symptoms may include the following: irritation watering redness
	SureSelect Indexing Block 1	No specific data.
	SureSelect Block 2	No specific data.
	SureSelect Indexing Block 3	No specific data.
	SureSelect Hyb 3	No specific data.
Inhalation	: SureSelect RNase Block	No specific data.
	SureSelect Indexing Block 1	No specific data.
	SureSelect Block 2	No specific data.
	SureSelect Indexing Block 3	No specific data.
	SureSelect Hyb 3	No specific data.
Skin contact	: SureSelect RNase Block	No specific data.
	SureSelect Indexing Block 1	No specific data.
	SureSelect Block 2	No specific data.
	SureSelect Indexing Block 3	No specific data.
	SureSelect Hyb 3	No specific data.
Ingestion	: SureSelect RNase Block	No specific data.
	SureSelect Indexing Block 1	No specific data.
	SureSelect Block 2	No specific data.
	SureSelect Indexing Block 3	No specific data.
	SureSelect Hyb 3	No specific data.

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

Notes to physician	: SureSelect RNase Block	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	SureSelect Indexing Block 1	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	SureSelect Block 2	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	SureSelect Indexing Block 3	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.
Specific treatments	: SureSelect RNase Block	No specific treatment.
	SureSelect Indexing Block 1	No specific treatment.
	SureSelect Block 2	No specific treatment.
	SureSelect Indexing Block 3	No specific treatment.
	SureSelect Hyb 3	No specific treatment.

Section 4. First-aid measures

Protection of first-aiders	: SureSelect RNase Block	No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.
	SureSelect Indexing Block 1	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 Indexing Block 3	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.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media	: SureSelect RNase Block	Use an extinguishing agent suitable for the surrounding fire.
	SureSelect Indexing Block 1	Use an extinguishing agent suitable for the surrounding fire.
	SureSelect Block 2	Use an extinguishing agent suitable for the surrounding fire.
	SureSelect Indexing Block 3	Use an extinguishing agent suitable for the surrounding fire.
	SureSelect Hyb 3	Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing media	: SureSelect RNase Block	None known.
	SureSelect Indexing Block 1	None known.
	SureSelect Block 2	None known.
	SureSelect Indexing Block 3	None known.
	SureSelect Hyb 3	None known.

Specific hazards arising from the chemical	: SureSelect RNase Block	In a fire or if heated, a pressure increase will occur and the container may burst.
	SureSelect Indexing Block 1	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 Indexing Block 3	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.

Hazardous thermal decomposition products	: SureSelect RNase Block	Decomposition products may include the following materials: carbon dioxide carbon monoxide
	SureSelect Indexing Block 1	No specific data.
	SureSelect Block 2	No specific data.
	SureSelect Indexing Block 3	No specific data.
	SureSelect Hyb 3	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides sulfur oxides halogenated compounds carbonyl halides

Section 5. Fire-fighting measures

Special protective actions 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 Indexing 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 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 Indexing Block 3	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
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.

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.
SureSelect Indexing 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.
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.
SureSelect Indexing 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.
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.

Section 6. Accidental release measures

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. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
SureSelect Indexing 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 Block 2	No action shall be taken involving any personal risk

Section 6. Accidental release measures

		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 Indexing Block 3	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through 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.
For emergency responders	SureSelect RNase Block	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
	SureSelect Indexing Block 1	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
	SureSelect Block 2	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
	SureSelect Indexing Block 3	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
	SureSelect Hyb 3	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
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 Indexing 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 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 Indexing 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).
	SureSelect Hyb 3	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 6. Accidental release measures

Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up

Methods for cleaning up	: SureSelect RNase Block	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
	SureSelect Indexing 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 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 Indexing Block 3	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
	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.

Section 7. Handling and storage

Precautions for safe handling

Protective measures	: SureSelect RNase Block	Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
	SureSelect Indexing Block 1	Put on appropriate personal protective equipment (see Section 8).
	SureSelect Block 2	Put on appropriate personal protective equipment (see Section 8).
	SureSelect Indexing Block 3	Put on appropriate personal protective equipment (see Section 8).
	SureSelect Hyb 3	Put on appropriate personal protective equipment (see Section 8).

Section 7. Handling and storage

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 Indexing 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 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 Indexing 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.
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.

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 unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
SureSelect Indexing 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 unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
SureSelect Block 2	Store in accordance with local regulations. Store in original container protected from direct sunlight in a

Section 7. Handling and storage

SureSelect Indexing Block 3

SureSelect Hyb 3

dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.


Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Section 8. Exposure controls/personal protection

[Control parameters](#)

[Occupational exposure limits](#)

Ingredient name	Exposure limits
 SureSelect RNase Block Glycerol	CA Alberta Provincial (Canada, 6/2018). OEL: 10 mg/m ³ 8 hours. Form: Mist CA Quebec Provincial (Canada, 6/2022). TWA _{EV} : 10 mg/m ³ 8 hours. Form: mist CA Saskatchewan Provincial (Canada, 7/2013). STEL: 20 mg/m ³ 15 minutes. Form: mist TWA: 10 mg/m ³ 8 hours. Form: mist CA British Columbia Provincial (Canada, 6/2023). TWA: 3 mg/m ³ 8 hours. Form: respirable mist TWA: 10 mg/m ³ 8 hours. Form: total mist

[Biological exposure indices](#)

No exposure indices known.

Section 8. Exposure controls/personal protection

- 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: chemical splash goggles.
- Skin protection**
- Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
- Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Section 9. Physical and chemical properties and safety characteristics

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

Appearance

- Physical state** :
- | | |
|-----------------------------|---------|
| SureSelect RNase Block | Liquid. |
| SureSelect Indexing Block 1 | Liquid. |
| SureSelect Block 2 | Liquid. |
| SureSelect Indexing Block 3 | Liquid. |
| SureSelect Hyb 3 | Liquid. |
- Color** :
- | | |
|-----------------------------|----------------|
| SureSelect RNase Block | Not available. |
| SureSelect Indexing Block 1 | Not available. |
| SureSelect Block 2 | Not available. |
| SureSelect Indexing Block 3 | Not available. |
| SureSelect Hyb 3 | Not available. |

Section 9. Physical and chemical properties and safety characteristics


Odor : SureSelect RNase Block Not available.
 SureSelect Indexing Block 1 Not available.
 SureSelect Block 2 Not available.
 SureSelect Indexing Block 3 Not available.
 SureSelect Hyb 3 Not available.

Odor threshold : SureSelect RNase Block Not available.
 SureSelect Indexing Block 1 Not available.
 SureSelect Block 2 Not available.
 SureSelect Indexing Block 3 Not available.
 SureSelect Hyb 3 Not available.

pH : SureSelect RNase Block 7.6
 SureSelect Indexing Block 1 Not available.
 SureSelect Block 2 Not available.
 SureSelect Indexing Block 3 Not available.
 SureSelect Hyb 3 7

Melting point/freezing point : SureSelect RNase Block Not available.
 SureSelect Indexing Block 1 0°C (32°F)
 SureSelect Block 2 0°C (32°F)
 SureSelect Indexing Block 3 0°C (32°F)
 SureSelect Hyb 3 0°C (32°F)

Boiling point, initial boiling point, and boiling range : SureSelect RNase Block Not available.
 SureSelect Indexing Block 1 100°C (212°F)
 SureSelect Block 2 100°C (212°F)
 SureSelect Indexing Block 3 100°C (212°F)
 SureSelect Hyb 3 100°C (212°F)

Flash point	:		Closed cup			Open cup		
		Ingredient name	°C	°F	Method	°C	°F	Method
		 SureSelect RNase Block						
		Glycerol	-	-	-	177	350.6	-

Evaporation rate : SureSelect RNase Block Not available.
 SureSelect Indexing Block 1 Not available.
 SureSelect Block 2 Not available.
 SureSelect Indexing Block 3 Not available.
 SureSelect Hyb 3 Not available.

Flammability : SureSelect RNase Block Not applicable.
 SureSelect Indexing Block 1 Not applicable.
 SureSelect Block 2 Not applicable.
 SureSelect Indexing Block 3 Not applicable.
 SureSelect Hyb 3 Not applicable.

Lower and upper explosion limit/flammability limit : SureSelect RNase Block Not available.
 SureSelect Indexing Block 1 Not available.
 SureSelect Block 2 Not available.
 SureSelect Indexing Block 3 Not available.
 SureSelect Hyb 3 Not available.

Vapor pressure :

Section 9. Physical and chemical properties and safety characteristics

Ingredient name	Vapor Pressure at 20°C			Vapor pressure at 50°C		
	mm Hg	kPa	Method	mm Hg	kPa	Method
SureSelect RNase Block						
water	17.5	2.3	-	92.258	12.3	-
Glycerol	0.000075	0.00001	-	0.0025	0.00033	-
SureSelect Indexing Block 1						
water	17.5	2.3	-	92.258	12.3	-
SureSelect Block 2						
water	17.5	2.3	-	92.258	12.3	-
SureSelect Indexing Block 3						
water	17.5	2.3	-	92.258	12.3	-
SureSelect Hyb 3						
water	17.5	2.3	-	92.258	12.3	-

Relative vapor density :

- SureSelect RNase Block Not available.
- SureSelect Indexing Block 1 Not available.
- SureSelect Block 2 Not available.
- SureSelect Indexing Block 3 Not available.
- SureSelect Hyb 3 Not available.

Relative density :

- SureSelect RNase Block Not available.
- SureSelect Indexing Block 1 Not available.
- SureSelect Block 2 Not available.
- SureSelect Indexing Block 3 Not available.
- SureSelect Hyb 3 Not available.

Solubility(ies) :

Media	Result
SureSelect RNase Block	
water	Soluble
SureSelect Indexing Block 1	
water	Soluble
SureSelect Block 2	
water	Soluble
SureSelect Indexing Block 3	
water	Soluble
SureSelect Hyb 3	
water	Soluble

Section 9. Physical and chemical properties and safety characteristics

Partition coefficient: n-octanol/water : SureSelect RNase Block Not applicable.
 SureSelect Indexing Block 1 Not applicable.
 SureSelect Block 2 Not applicable.
 SureSelect Indexing Block 3 Not applicable.
 SureSelect Hyb 3 Not applicable.

Auto-ignition temperature	:	Ingredient name	°C	°F	Method
		SureSelect RNase Block			
		Glycerol	370	698	-

Decomposition temperature : SureSelect RNase Block Not available.
 SureSelect Indexing Block 1 Not available.
 SureSelect Block 2 Not available.
 SureSelect Indexing Block 3 Not available.
 SureSelect Hyb 3 Not available.

Viscosity : SureSelect RNase Block Not available.
 SureSelect Indexing Block 1 Not available.
 SureSelect Block 2 Not available.
 SureSelect Indexing Block 3 Not available.
 SureSelect Hyb 3 Not available.

Particle characteristics

Median particle size : SureSelect RNase Block Not applicable.
 SureSelect Indexing Block 1 Not applicable.
 SureSelect Block 2 Not applicable.
 SureSelect Indexing Block 3 Not applicable.
 SureSelect Hyb 3 Not applicable.

Section 10. Stability and reactivity

Reactivity : SureSelect RNase Block No specific test data related to reactivity available for this product or its ingredients.
 SureSelect Indexing Block 1 No specific test data related to reactivity available for this product or its ingredients.
 SureSelect Block 2 No specific test data related to reactivity available for this product or its ingredients.
 SureSelect Indexing Block 3 No specific test data related to reactivity available for this product or its ingredients.
 SureSelect Hyb 3 No specific test data related to reactivity available for this product or its ingredients.

Chemical stability : SureSelect RNase Block The product is stable.
 SureSelect Indexing Block 1 The product is stable.
 SureSelect Block 2 The product is stable.
 SureSelect Indexing Block 3 The product is stable.
 SureSelect Hyb 3 The product is stable.

Possibility of hazardous reactions : SureSelect RNase Block Under normal conditions of storage and use, hazardous reactions will not occur.
 SureSelect Indexing Block 1 Under normal conditions of storage and use, hazardous reactions will not occur.
 SureSelect Block 2 Under normal conditions of storage and use, hazardous reactions will not occur.
 SureSelect Indexing Block 3 Under normal conditions of storage and use, hazardous reactions will not occur.
 SureSelect Hyb 3 Under normal conditions of storage and use, hazardous reactions will not occur.

Section 10. Stability and reactivity

Conditions to avoid	: SureSelect RNase Block SureSelect Indexing Block 1 SureSelect Block 2 SureSelect Indexing Block 3 SureSelect Hyb 3	No specific data. No specific data. No specific data. No specific data. No specific data.
Incompatible materials	: SureSelect RNase Block SureSelect Indexing Block 1 SureSelect Block 2 SureSelect Indexing Block 3 SureSelect Hyb 3	May react or be incompatible with oxidizing materials. May react or be incompatible with oxidizing materials. May react or be incompatible with oxidizing materials. May react or be incompatible with oxidizing materials. May react or be incompatible with oxidizing materials.
Hazardous decomposition products	: SureSelect RNase Block SureSelect Indexing Block 1 SureSelect Block 2 SureSelect Indexing Block 3 SureSelect Hyb 3	Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced.

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 mg	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 mg	-

Sensitization

Not available.

Mutagenicity

Conclusion/Summary : Not available.

Carcinogenicity

Conclusion/Summary : Not available.

Reproductive toxicity

Conclusion/Summary : Not available.

Teratogenicity

Section 11. Toxicological information

Conclusion/Summary : Not available.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Information on the likely routes of exposure

: SureSelect RNase Block	Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.
SureSelect Indexing Block 1	Not available.
SureSelect Block 2	Not available.
SureSelect Indexing Block 3	Not available.
SureSelect Hyb 3	Not available.

Potential acute health effects

Eye contact

: SureSelect RNase Block	Causes eye irritation.
SureSelect Indexing Block 1	No known significant effects or critical hazards.
SureSelect Block 2	No known significant effects or critical hazards.
SureSelect Indexing Block 3	No known significant effects or critical hazards.
SureSelect Hyb 3	No known significant effects or critical hazards.

Inhalation

: SureSelect RNase Block	No known significant effects or critical hazards.
SureSelect Indexing Block 1	No known significant effects or critical hazards.
SureSelect Block 2	No known significant effects or critical hazards.
SureSelect Indexing Block 3	No known significant effects or critical hazards.
SureSelect Hyb 3	No known significant effects or critical hazards.

Skin contact

: SureSelect RNase Block	No known significant effects or critical hazards.
SureSelect Indexing Block 1	No known significant effects or critical hazards.
SureSelect Block 2	No known significant effects or critical hazards.
SureSelect Indexing Block 3	No known significant effects or critical hazards.
SureSelect Hyb 3	No known significant effects or critical hazards.

Ingestion

: SureSelect RNase Block	No known significant effects or critical hazards.
SureSelect Indexing Block 1	No known significant effects or critical hazards.
SureSelect Block 2	No known significant effects or critical hazards.
SureSelect Indexing Block 3	No known significant effects or critical hazards.
SureSelect Hyb 3	No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact

: SureSelect RNase Block	Adverse symptoms may include the following: irritation watering redness
SureSelect Indexing Block 1	No specific data.
SureSelect Block 2	No specific data.
SureSelect Indexing Block 3	No specific data.
SureSelect Hyb 3	No specific data.

Inhalation

: SureSelect RNase Block	No specific data.
SureSelect Indexing Block 1	No specific data.
SureSelect Block 2	No specific data.
SureSelect Indexing Block 3	No specific data.
SureSelect Hyb 3	No specific data.

Section 11. Toxicological information

Skin contact	: SureSelect RNase Block	No specific data.
	SureSelect Indexing Block 1	No specific data.
	SureSelect Block 2	No specific data.
	SureSelect Indexing Block 3	No specific data.
	SureSelect Hyb 3	No specific data.
Ingestion	: SureSelect RNase Block	No specific data.
	SureSelect Indexing Block 1	No specific data.
	SureSelect Block 2	No specific data.
	SureSelect Indexing Block 3	No specific data.
	SureSelect Hyb 3	No specific data.

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

Short term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Long term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Potential chronic health effects

General	: SureSelect RNase Block	No known significant effects or critical hazards.
	SureSelect Indexing Block 1	No known significant effects or critical hazards.
	SureSelect Block 2	No known significant effects or critical hazards.
	SureSelect Indexing Block 3	No known significant effects or critical hazards.
Carcinogenicity	: SureSelect RNase Block	No known significant effects or critical hazards.
	SureSelect Indexing Block 1	No known significant effects or critical hazards.
	SureSelect Block 2	No known significant effects or critical hazards.
	SureSelect Indexing Block 3	No known significant effects or critical hazards.
Mutagenicity	: SureSelect RNase Block	No known significant effects or critical hazards.
	SureSelect Indexing Block 1	No known significant effects or critical hazards.
	SureSelect Block 2	No known significant effects or critical hazards.
	SureSelect Indexing Block 3	No known significant effects or critical hazards.
Reproductive toxicity	: SureSelect RNase Block	No known significant effects or critical hazards.
	SureSelect Indexing Block 1	No known significant effects or critical hazards.
	SureSelect Block 2	No known significant effects or critical hazards.
	SureSelect Indexing Block 3	No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Product/ingredient name	Oral (mg/kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapors) (mg/l)	Inhalation (dusts and mists) (mg/l)
SureSelect RNase Block Glycerol	12600	N/A	N/A	N/A	N/A

Section 11. Toxicological information

Other information : SureSelect RNase Block Adverse symptoms may include the following: May cause skin sensitization.

Section 12. Ecological information

Toxicity

Product/ingredient name	Result	Species	Exposure
SureSelect RNase Block Glycerol	Acute LC50 54000 mg/l Fresh water	Fish - <i>Oncorhynchus mykiss</i>	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 _{ow}	BCF	Potential
SureSelect 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 minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

TDG / IMDG / IATA : Not regulated.

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

Section 14. Transport information

Transport in bulk according to IMO instruments : Not available.

Section 15. Regulatory information

Canadian lists

Canadian NPRI : None of the components are listed.

CEPA Toxic substances : None of the components are listed.

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

Montreal Protocol

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

Canada : Not determined.

United States : All components are active or exempted.

Section 16. Other information

History

Date of issue/Date of revision : 02/02/2024


Date of previous issue : 02/17/2021

Version : 5

Key to abbreviations :

- ATE = Acute Toxicity Estimate
- BCF = Bioconcentration Factor
- GHS = Globally Harmonized System of Classification and Labelling of Chemicals
- HPR = Hazardous Products Regulations
- IATA = International Air Transport Association
- IBC = Intermediate Bulk Container
- IMDG = International Maritime Dangerous Goods
- LogPow = logarithm of the octanol/water partition coefficient
- MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
- N/A = Not available
- UN = United Nations

Procedure used to derive the classification

Classification	Justification
 SureSelect RNase Block EYE IRRITATION - Category 2B	Calculation method

 Indicates information that has changed from previously issued version.

Notice to reader

Section 16. Other information

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