# SAFETY DATA SHEET

SureSelect XT Custom Adaptor Kit, Part Number 5190-7304

## Section 1. Identification

<table>
<thead>
<tr>
<th>1.1 Product identifier</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Product name</strong></td>
<td>SureSelect XT Custom Adaptor Kit, Part Number 5190-7304</td>
</tr>
<tr>
<td><strong>Part no. (chemical kit)</strong></td>
<td>5190-7304</td>
</tr>
<tr>
<td><strong>Part no.</strong></td>
<td>SureSelect RNase Block 5972-3700</td>
</tr>
<tr>
<td></td>
<td>SureSelect Hyb 3 5972-3696</td>
</tr>
<tr>
<td><strong>Validation date</strong></td>
<td>2/14/2018</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Material uses</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>SureSelect RNase Block</td>
<td>80 µl</td>
</tr>
<tr>
<td>SureSelect Hyb 3</td>
<td>400 µl</td>
</tr>
</tbody>
</table>

## 1.3 Details of the supplier of the safety data sheet

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

## 1.4 Emergency telephone number

| In case of emergency | CHEMTREC®: 1-800-424-9300 |

## Section 2. Hazards identification

### 2.1 Classification of the substance or mixture

<table>
<thead>
<tr>
<th>OSHA/HCS status</th>
<th>SureSelect RNase Block</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>SureSelect Hyb 3</td>
</tr>
</tbody>
</table>

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200). While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

### Classification of the substance or mixture

<table>
<thead>
<tr>
<th>SureSelect RNase Block</th>
</tr>
</thead>
<tbody>
<tr>
<td>H320</td>
</tr>
</tbody>
</table>

**Ingredients of unknown toxicity**

<table>
<thead>
<tr>
<th>% of mixture consisting of ingredient(s) of unknown inhalation toxicity: 30 - 60%</th>
</tr>
</thead>
</table>

### 2.2 GHS label elements

<table>
<thead>
<tr>
<th>Signal word</th>
<th>SureSelect RNase Block</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>SureSelect Hyb 3</td>
</tr>
</tbody>
</table>

**Warning**

No signal word.

**Hazard statements**

<table>
<thead>
<tr>
<th>SureSelect RNase Block</th>
</tr>
</thead>
<tbody>
<tr>
<td>SureSelect Hyb 3</td>
</tr>
</tbody>
</table>

**H320 - Causes eye irritation.**

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

**Precautionary statements**

<table>
<thead>
<tr>
<th>Prevention</th>
<th>SureSelect RNase Block</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>SureSelect Hyb 3</td>
</tr>
</tbody>
</table>

**P264 - Wash hands thoroughly after handling.**

**Not applicable.**

### Date of issue

| 02/14/2018 | 1/14 |
Section 2. Hazards 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 attention.

SureSelect Hyb 3
Not applicable.

Storage: SureSelect RNase Block
Not applicable.
SureSelect Hyb 3
Not applicable.

Disposal: SureSelect RNase Block
Not applicable.
SureSelect Hyb 3
Not applicable.

Supplemental label elements: SureSelect RNase Block
None known.
SureSelect Hyb 3
None known.

2.3 Other hazards
Hazards not otherwise classified: SureSelect RNase Block
None known.
SureSelect Hyb 3
None known.

Section 3. Composition/information on ingredients

Substance/mixture: SureSelect RNase Block
Mixtures
SureSelect Hyb 3
Mixtures

<table>
<thead>
<tr>
<th>Ingredient name</th>
<th>%</th>
<th>CAS number</th>
</tr>
</thead>
<tbody>
<tr>
<td>SureSelect RNase Block</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Glycerol</td>
<td>≥50 - ≤75</td>
<td>56-81-5</td>
</tr>
</tbody>
</table>

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

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

4.1 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 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.
### Section 4. First aid measures

<table>
<thead>
<tr>
<th>Skin contact</th>
<th>SureSelect RNase Block</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ingestion</td>
<td>SureSelect RNase Block</td>
</tr>
</tbody>
</table>

**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.

- **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.

- **Flush contaminated skin with plenty of water.** Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

**SureSelect Hyb 3**

- **Wash out mouth with water.** Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the 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.

- **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.

**4.2 Most important symptoms/effects, acute and delayed**

**Potential acute health effects**

<table>
<thead>
<tr>
<th>Eye contact</th>
<th>SureSelect RNase Block</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inhalation</td>
<td>SureSelect RNase Block</td>
</tr>
<tr>
<td>Skin contact</td>
<td>SureSelect RNase Block</td>
</tr>
<tr>
<td>Ingestion</td>
<td>SureSelect RNase Block</td>
</tr>
</tbody>
</table>

**Over-exposure signs/symptoms**

| Eye contact       | SureSelect RNase Block |

- **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.**

- **Adverse symptoms may include the following:** irritation, watering, redness
- **No specific data.**
Section 4. First aid measures

Inhalation:
- SureSelect RNase Block: No specific data.
- SureSelect Hyb 3: No specific data.

Skin contact:
- SureSelect RNase Block: No specific data.
- SureSelect Hyb 3: No specific data.

Ingestion:
- SureSelect RNase Block: No specific data.
- SureSelect Hyb 3: No specific data.

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 Hyb 3: No action shall be taken involving any personal risk or without suitable training.

Notes to physician:
- SureSelect RNase Block: 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 Hyb 3: No specific treatment.

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 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

5.1 Extinguishing media
- Suitable extinguishing media:
  - SureSelect RNase Block: 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 Hyb 3: None known.

5.2 Special hazards arising from the substance or mixture
- 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 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 Hyb 3: Decomposition products may include the following materials: carbon dioxide, carbon monoxide, nitrogen oxides, halogenated compounds, carbonyl halides.

5.3 Advice for firefighters

Date of issue: 02/14/2018
### Section 5. Fire-fighting measures

<table>
<thead>
<tr>
<th>Special protective actions for fire-fighters</th>
<th>SureSelect RNase Block</th>
</tr>
</thead>
<tbody>
<tr>
<td>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.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SureSelect Hyb 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>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.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Special protective equipment for fire-fighters</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SureSelect Hyb 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.</td>
</tr>
</tbody>
</table>

### Section 6. Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

<table>
<thead>
<tr>
<th>For non-emergency personnel</th>
<th>SureSelect RNase Block</th>
</tr>
</thead>
<tbody>
<tr>
<td>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.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SureSelect Hyb 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>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.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>For emergency responders</th>
<th>SureSelect RNase Block</th>
</tr>
</thead>
<tbody>
<tr>
<td>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 &quot;For non-emergency personnel&quot;.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SureSelect Hyb 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>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 &quot;For non-emergency personnel&quot;.</td>
</tr>
</tbody>
</table>

#### 6.2 Environmental precautions

<table>
<thead>
<tr>
<th>SureSelect RNase Block</th>
</tr>
</thead>
<tbody>
<tr>
<td>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).</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SureSelect Hyb 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>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).</td>
</tr>
</tbody>
</table>

#### 6.3 Methods and materials for containment and cleaning up
Section 6. Accidental release measures

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 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

7.1 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 Hyb 3
Put on appropriate personal protective equipment (see Section 8).

Advice on general occupational hygiene

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

SureSelect 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.

7.2 Conditions for safe storage, including any incompatibilities

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

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
Section 7. Handling and storage

7.3 Specific end use(s)

Recommendations: SureSelect RNase Block
Industrial applications, Professional applications.
SureSelect Hyb 3
Industrial applications, Professional applications.

Section 8. Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

<table>
<thead>
<tr>
<th>Ingredient name</th>
<th>Exposure limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glycerol</td>
<td>TWA: 5 mg/m³ 8 hours. Form: Respirable fraction</td>
</tr>
<tr>
<td></td>
<td>TWA: 10 mg/m³ 8 hours. Form: Total dust</td>
</tr>
<tr>
<td></td>
<td>OSHA PEL (United States, 6/2016).</td>
</tr>
<tr>
<td></td>
<td>TWA: 5 mg/m³ 8 hours. Form: Respirable fraction</td>
</tr>
<tr>
<td></td>
<td>TWA: 15 mg/m³ 8 hours. Form: Total dust</td>
</tr>
</tbody>
</table>

8.2 Exposure controls

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.
Section 8. Exposure controls/personal protection

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

9.1 Information on basic physical and chemical properties

Appearance

Physical state: SureSelect RNase Block
SureSelect Hyb 3

SureSelect RNase Block: Liquid.
SureSelect Hyb 3: Liquid.

Color: SureSelect RNase Block
SureSelect Hyb 3

SureSelect RNase Block: Not available.
SureSelect Hyb 3: Not available.

Odor: SureSelect RNase Block
SureSelect Hyb 3

SureSelect RNase Block: Not available.
SureSelect Hyb 3: Not available.

Odor threshold: SureSelect RNase Block
SureSelect Hyb 3

SureSelect RNase Block: Not available.
SureSelect Hyb 3: Not available.

pH: SureSelect RNase Block
SureSelect Hyb 3

SureSelect RNase Block: 7.6
SureSelect Hyb 3: Not available.

Melting point: SureSelect RNase Block
SureSelect Hyb 3

SureSelect RNase Block: Not available.
SureSelect Hyb 3: 0°C (32°F).

Boiling point: SureSelect RNase Block
SureSelect Hyb 3

SureSelect RNase Block: Not available.
SureSelect Hyb 3: 100°C (212°F).

Flash point: SureSelect RNase Block
SureSelect Hyb 3

SureSelect RNase Block: Not available.
SureSelect Hyb 3: Not available.

Evaporation rate: SureSelect RNase Block
SureSelect Hyb 3

SureSelect RNase Block: Not available.
SureSelect Hyb 3: Not available.

Flammability (solid, gas): SureSelect RNase Block
SureSelect Hyb 3

SureSelect RNase Block: Not applicable.
SureSelect Hyb 3: Not applicable.

Lower and upper explosive (flammable) limits: SureSelect RNase Block
SureSelect Hyb 3

SureSelect RNase Block: Not available.
SureSelect Hyb 3: Not available.

Vapor pressure: SureSelect RNase Block
SureSelect Hyb 3

SureSelect RNase Block: Not available.
SureSelect Hyb 3: Not available.

Vapor density: SureSelect RNase Block
SureSelect Hyb 3

SureSelect RNase Block: Not available.
SureSelect Hyb 3: Not available.

Relative density: SureSelect RNase Block
SureSelect Hyb 3

SureSelect RNase Block: Not available.
SureSelect Hyb 3: Not available.

Solubility: SureSelect RNase Block

SureSelect RNase Block: Soluble in the following materials: cold water and hot water.
SureSelect Hyb 3: Easily soluble in the following materials: cold water and hot water.

Partition coefficient: n-octanol/water: SureSelect RNase Block
SureSelect Hyb 3

SureSelect RNase Block: Not available.
SureSelect Hyb 3: Not available.

Auto-ignition temperature: SureSelect RNase Block
SureSelect Hyb 3

SureSelect RNase Block: Not available.
SureSelect Hyb 3: Not available.

Decomposition temperature: SureSelect RNase Block
SureSelect Hyb 3

SureSelect RNase Block: Not available.
SureSelect Hyb 3: Not available.
### Section 9. Physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>SureSelect RNase Block</th>
<th>SureSelect Hyb 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Viscosity</td>
<td>Not available.</td>
<td>Not available.</td>
</tr>
</tbody>
</table>

### Section 10. Stability and reactivity

<table>
<thead>
<tr>
<th>Subsection</th>
<th>Product/ingredient name</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>10.1 Reactivity</strong></td>
<td>SureSelect RNase Block</td>
<td>No specific test data related to reactivity available for this product or its ingredients.</td>
</tr>
<tr>
<td></td>
<td>SureSelect Hyb 3</td>
<td>No specific test data related to reactivity available for this product or its ingredients.</td>
</tr>
<tr>
<td><strong>10.2 Chemical stability</strong></td>
<td>SureSelect RNase Block</td>
<td>The product is stable.</td>
</tr>
<tr>
<td></td>
<td>SureSelect Hyb 3</td>
<td>The product is stable.</td>
</tr>
<tr>
<td><strong>10.3 Possibility of hazardous reactions</strong></td>
<td>SureSelect RNase Block</td>
<td>Under normal conditions of storage and use, hazardous reactions will not occur.</td>
</tr>
<tr>
<td></td>
<td>SureSelect Hyb 3</td>
<td>Under normal conditions of storage and use, hazardous reactions will not occur.</td>
</tr>
<tr>
<td><strong>10.4 Conditions to avoid</strong></td>
<td>SureSelect RNase Block</td>
<td>No specific data.</td>
</tr>
<tr>
<td></td>
<td>SureSelect Hyb 3</td>
<td>No specific data.</td>
</tr>
<tr>
<td><strong>10.5 Incompatible materials</strong></td>
<td>SureSelect RNase Block</td>
<td>May react or be incompatible with oxidizing materials.</td>
</tr>
<tr>
<td></td>
<td>SureSelect Hyb 3</td>
<td>May react or be incompatible with oxidizing materials.</td>
</tr>
<tr>
<td><strong>10.6 Hazardous decomposition products</strong></td>
<td>SureSelect RNase Block</td>
<td>Under normal conditions of storage and use, hazardous decomposition products should not be produced.</td>
</tr>
<tr>
<td></td>
<td>SureSelect Hyb 3</td>
<td>Under normal conditions of storage and use, hazardous decomposition products should not be produced.</td>
</tr>
</tbody>
</table>

### Section 11. Toxicological information

#### 11.1 Information on toxicological effects

**Acute toxicity**

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Result</th>
<th>Species</th>
<th>Dose</th>
<th>Exposure</th>
</tr>
</thead>
<tbody>
<tr>
<td>SureSelect RNase Block Glycerol</td>
<td>LD50 Oral</td>
<td>Rat</td>
<td>12600 mg/kg</td>
<td>-</td>
</tr>
</tbody>
</table>

**Irritation/Corrosion**

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Result</th>
<th>Species</th>
<th>Score</th>
<th>Exposure</th>
<th>Observation</th>
</tr>
</thead>
<tbody>
<tr>
<td>SureSelect RNase Block Glycerol</td>
<td>Eyes - Mild irritant</td>
<td>Rabbit</td>
<td>-</td>
<td>24 hours 500 milligrams</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Skin - Mild irritant</td>
<td>Rabbit</td>
<td>-</td>
<td>24 hours 500 milligrams</td>
<td>-</td>
</tr>
</tbody>
</table>

**Sensitization**

Not available.

**Mutagenicity**

**Conclusion/Summary**

: Not available.

**Carcinogenicity**

Date of issue: 02/14/2018
Section 11. Toxicological information

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 the likely routes of exposure
- **Inhalation**
  - SureSelect RNase Block: No known significant effects or critical hazards.
  - SureSelect Hyb 3: No known significant effects or critical hazards.

Potential acute health effects
- **Eye contact**
  - SureSelect RNase Block: Causes eye irritation.
  - SureSelect Hyb 3: No known significant effects or critical hazards.

- **Inhalation**
  - SureSelect RNase Block: 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 Hyb 3: No known significant effects or critical hazards.

- **Ingestion**
  - SureSelect RNase Block: 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 Hyb 3: No specific data.

- **Inhalation**
  - SureSelect RNase Block: No specific data.
  - SureSelect Hyb 3: No specific data.

- **Skin contact**
  - SureSelect RNase Block: No specific data.
  - SureSelect Hyb 3: No specific data.

- **Ingestion**
  - SureSelect RNase Block: 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
Section 11. Toxicological information

General:
SureSelect RNase Block: No known significant effects or critical hazards.
SureSelect Hyb 3: No known significant effects or critical hazards.

Carcinogenicity:
SureSelect RNase Block: No known significant effects or critical hazards.
SureSelect Hyb 3: No known significant effects or critical hazards.

Mutagenicity:
SureSelect RNase Block: No known significant effects or critical hazards.
SureSelect Hyb 3: No known significant effects or critical hazards.

Teratogenicity:
SureSelect RNase Block: No known significant effects or critical hazards.
SureSelect Hyb 3: No known significant effects or critical hazards.

Developmental effects:
SureSelect RNase Block: No known significant effects or critical hazards.
SureSelect Hyb 3: No known significant effects or critical hazards.

Fertility effects:
SureSelect RNase Block: No known significant effects or critical hazards.
SureSelect Hyb 3: No known significant effects or critical hazards.

Numerical measures of toxicity
Acute toxicity estimates
Not available.

Section 12. Ecological information

12.1 Toxicity

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Result</th>
<th>Species</th>
<th>Exposure</th>
</tr>
</thead>
<tbody>
<tr>
<td>SureSelect RNase Block Glycerol</td>
<td>Acute LC50 54000 mg/l Fresh water</td>
<td>Fish - Oncorhynchus mykiss</td>
<td>96 hours</td>
</tr>
</tbody>
</table>

12.2 Persistence and degradability

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Test</th>
<th>Result</th>
<th>Dose</th>
<th>Inoculum</th>
</tr>
</thead>
<tbody>
<tr>
<td>SureSelect RNase Block Glycerol</td>
<td>301D Ready Biodegradability - Closed Bottle Test</td>
<td>93 % - 30 days</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

12.3 Bioaccumulative potential

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>LogP&lt;sub&gt;ow&lt;/sub&gt;</th>
<th>BCF</th>
<th>Potential</th>
</tr>
</thead>
<tbody>
<tr>
<td>SureSelect RNase Block Glycerol</td>
<td>-1.76</td>
<td>-</td>
<td>low</td>
</tr>
</tbody>
</table>

12.4 Mobility in soil

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

12.5 Other adverse effects

No known significant effects or critical hazards.

Date of issue: 02/14/2018
Section 13. Disposal considerations

13.1 Waste treatment methods

**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.

Disposal should be in accordance with applicable regional, national and local laws and regulations. Local regulations may be more stringent than regional or national requirements.

The information presented below only applies to the material as supplied. The identification based on characteristic(s) or listing may not apply if the material has been used or otherwise contaminated. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.

Section 14. Transport information

**DOT / TDG / Mexico / 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.

**Transport in bulk according to Annex II of MARPOL and the IBC Code**

Not available.

Section 15. Regulatory information

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

**U.S. Federal regulations**

- **Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs)**: Not listed
- **Clean Air Act Section 602 Class I Substances**: Not listed
- **Clean Air Act Section 602 Class II Substances**: Not listed
- **DEA List I Chemicals (Precursor Chemicals)**: Not listed

- **TSCA 8(a) CDR Exempt/Partial exemption**: Not determined
- **Clean Water Act (CWA) 311**: Potassium hydroxide; Edetic acid

**Date of issue**: 02/14/2018
Section 15. Regulatory information

DEA List II Chemicals (Essential Chemicals) : Not listed

SARA 302/304

Composition/information on ingredients
No products were found.

SARA 304 RQ : Not applicable.

SARA 311/312

Classification : SureSelect RNase Block
SureSelect Hyb 3

Classification : EYE IRRITATION - Category 2B
Not applicable.

Composition/information on ingredients

<table>
<thead>
<tr>
<th>Name</th>
<th>%</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>SureSelect RNase Block</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Glycerol</td>
<td>≥50 - ≤75</td>
<td>EYE IRRITATION - Category 2A</td>
</tr>
</tbody>
</table>

State regulations

Massachusetts : The following components are listed: GLYCERINE MIST
New York : None of the components are listed.
New Jersey : The following components are listed: GLYCERIN; 1,2,3-PROPANETRIOL
Pennsylvania : The following components are listed: 1,2,3-PROPANETRIOL

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

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

Date of issue : 02/14/2018
Section 15. Regulatory information

United States: All components are listed or exempted.
Viet Nam: Not determined.

Section 16. Other information

History
Date of issue: 02/14/2018
Date of previous issue: 07/15/2016
Version: 3

Procedure used to derive the classification

<table>
<thead>
<tr>
<th>Classification</th>
<th>Justification</th>
</tr>
</thead>
<tbody>
<tr>
<td>SureSelect RNase Block</td>
<td>Calculation method</td>
</tr>
<tr>
<td>EYE IRRITATION - Category 2B</td>
<td></td>
</tr>
</tbody>
</table>

Notice to reader

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.