SAFETY DATA SHEET
SureSelect XT Custom Adaptor Kit, Part Number 5190-7304

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

1.1 Product identifier

Product name : SureSelect XT Custom Adaptor Kit, Part Number 5190-7304
Part no. (chemical kit) : 5190-7304
Part no. : SureSelect RNase Block 5972-3700
SureSelect Hyb 3 5972-3696

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

Material uses : Analytical reagent.

SureSelect RNase Block 80 µl
SureSelect Hyb 3 400 µl

1.3 Details of the supplier of the safety data sheet

Agilent Technologies Manufacturing GmbH & Co. KG
Hewlett-Packard-Str. 8
76337 Waldbronn
Germany
0800 603 1000
e-mail address of person responsible for this SDS : pdl-msds_author@agilent.com

1.4 Emergency telephone number

Emergency telephone number (with hours of operation) : CHEMTREC®: +(44)-870-8200418

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Product definition : SureSelect RNase Block Mixture
SureSelect Hyb 3 Mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]
Not classified.

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

See Section 16 for the full text of the H statements declared above.
See Section 11 for more detailed information on health effects and symptoms.

2.2 Label elements

Signal word : SureSelect RNase Block No signal word.
SureSelect Hyb 3 No signal word.

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

Precautionary statements

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### SECTION 2: Hazards identification

| Prevention | SureSelect RNase Block | Not applicable. |
| Response | SureSelect RNase Block | Not applicable. |
| Storage | SureSelect RNase Block | Not applicable. |
| Disposal | SureSelect RNase Block | Not applicable. |
| Supplemental label elements | SureSelect RNase Block | Not applicable. |
| Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles | SureSelect RNase Block | Not applicable. |

#### Special packaging requirements

| Tactile warning of danger | SureSelect RNase Block | Not applicable. |
| SureSelect Hyb 3 | Not applicable. |

#### 2.3 Other hazards

| Other hazards which do not result in classification | SureSelect RNase Block | None known. |
| SureSelect Hyb 3 | None known. |

### SECTION 3: Composition/information on ingredients

#### 3.1 Substances

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Identifiers</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>SureSelect RNase Block</td>
<td>REACH #: Annex V EC: 200-289-5 CAS: 56-81-5</td>
<td>Mixture</td>
</tr>
<tr>
<td>Glycerol</td>
<td>≥50 - ≤75</td>
<td>Not classified.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>See Section 16 for the full text of the H statements declared above.</td>
</tr>
</tbody>
</table>

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.

**Type**

1. Substance classified with a health or environmental hazard
2. Substance with a workplace exposure limit
3. Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII
4. Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII
5. Substance of equivalent concern
6. Additional disclosure due to company policy
SECTION 4: First aid measures

4.1 Description of first aid measures

Eye contact

SureSelect RNase Block
Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.

SureSelect Hyb 3
Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.

SureSelect RNase Block
Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

SureSelect Hyb 3
Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

SureSelect RNase Block
Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

SureSelect Hyb 3
Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

Inhalation

SureSelect RNase Block
Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

SureSelect 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.

SureSelect Hyb 3
Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

Ingestion

SureSelect RNase Block
Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

SureSelect 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.

Protection of first-aiders

SureSelect RNase Block
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.

4.2 Most important symptoms and effects, both acute and delayed

Potential acute health effects

Eye contact

SureSelect RNase Block
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 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.

Over-exposure signs/symptoms

Eye contact

SureSelect RNase Block
No specific data.

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.

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SECTION 4: First aid measures

<table>
<thead>
<tr>
<th>Ingestion</th>
<th>SureSelect RNase Block</th>
<th>No specific data.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>SureSelect Hyb 3</td>
<td>No specific data.</td>
</tr>
</tbody>
</table>

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician

<table>
<thead>
<tr>
<th>TrueSelect RNase Block</th>
<th>Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.</th>
</tr>
</thead>
<tbody>
<tr>
<td>SureSelect Hyb 3</td>
<td>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.</td>
</tr>
</tbody>
</table>

Specific treatments

<table>
<thead>
<tr>
<th>SureSelect RNase Block</th>
<th>No specific treatment.</th>
</tr>
</thead>
<tbody>
<tr>
<td>SureSelect Hyb 3</td>
<td>No specific treatment.</td>
</tr>
</tbody>
</table>

SECTION 5: Firefighting measures

5.1 Extinguishing media

<table>
<thead>
<tr>
<th>Suitable extinguishing media</th>
<th>SureSelect RNase Block Use an extinguishing agent suitable for the surrounding fire.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>SureSelect Hyb 3 Use an extinguishing agent suitable for the surrounding fire.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Unsuitable extinguishing media</th>
<th>SureSelect RNase Block None known.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>SureSelect Hyb 3 None known.</td>
</tr>
</tbody>
</table>

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

<table>
<thead>
<tr>
<th>SureSelect RNase Block</th>
<th>In a fire or if heated, a pressure increase will occur and the container may burst.</th>
</tr>
</thead>
<tbody>
<tr>
<td>SureSelect Hyb 3</td>
<td>In a fire or if heated, a pressure increase will occur and the container may burst.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SureSelect RNase Block</th>
<th>Decomposition products may include the following materials: carbon dioxide carbon monoxide</th>
</tr>
</thead>
<tbody>
<tr>
<td>SureSelect Hyb 3</td>
<td>Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides halogenated compounds carbonyl halides</td>
</tr>
</tbody>
</table>

5.3 Advice for firefighters

Special precautions for fire-fighters

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

Special protective equipment for fire-fighters

<table>
<thead>
<tr>
<th>SureSelect RNase Block</th>
<th>Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.</th>
</tr>
</thead>
<tbody>
<tr>
<td>SureSelect Hyb 3</td>
<td>Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.</td>
</tr>
</tbody>
</table>

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### 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>
<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 spill material. Put on appropriate personal protective equipment.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

#### 6.2 Environmental precautions

<table>
<thead>
<tr>
<th>SureSelect RNase Block</th>
<th>SureSelect Hyb 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Avoid dispersal of spill 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>
<td></td>
</tr>
</tbody>
</table>

#### 6.3 Methods and material for containment and cleaning up

<table>
<thead>
<tr>
<th>Methods for cleaning up</th>
<th>SureSelect RNase Block</th>
<th>SureSelect Hyb 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>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.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### 6.4 Reference to other sections

| See Section 1 for emergency contact information. See Section 8 for information on appropriate personal protective equipment. See Section 13 for additional waste treatment information. |

### SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling

<table>
<thead>
<tr>
<th>Protective measures</th>
<th>SureSelect RNase Block</th>
<th>SureSelect Hyb 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Put on appropriate personal protective equipment (see Section 8).</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Advice on general occupational hygiene</th>
<th>SureSelect RNase Block</th>
<th>SureSelect Hyb 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>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.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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SECTION 7: Handling and storage

7.2 Conditions for safe storage, including any incompatibilities

Storage

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

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>Product/ingredient name</th>
<th>Exposure limit values</th>
</tr>
</thead>
<tbody>
<tr>
<td>SureSelect RNase Block Glycerol</td>
<td>EH40/2005 WELs (United Kingdom (UK), 12/2011). TWA: 10 mg/m³ 8 hours. Form: Mist</td>
</tr>
</tbody>
</table>

Recommended monitoring procedures

If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

DNELs/DMELs

No DNELs/DMELs available.

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SECTION 8: Exposure controls/personal protection

PNECs
No PNECs available

8.2 Exposure controls

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

Individual protection measures

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

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

Skin protection

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

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

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

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

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

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state
: SureSelect RNase Block
   SureSelect Hyb 3
   Liquid.

Colour
: SureSelect RNase Block
   SureSelect Hyb 3
   Not available.

Odour
: SureSelect RNase Block
   SureSelect Hyb 3
   Not available.

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

pH
: SureSelect RNase Block
   SureSelect Hyb 3
   7.6

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### 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><strong>Melting point/freezing point</strong></td>
<td>Not available.</td>
<td>0°C</td>
</tr>
<tr>
<td><strong>Initial boiling point and boiling range</strong></td>
<td>Not available.</td>
<td>100°C</td>
</tr>
<tr>
<td><strong>Flash point</strong></td>
<td>Not available.</td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>Evaporation rate</strong></td>
<td>Not available.</td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>Flammability (solid, gas)</strong></td>
<td>Not applicable.</td>
<td>Not applicable.</td>
</tr>
<tr>
<td><strong>Upper/lower flammability or explosive limits</strong></td>
<td>Not available.</td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>Vapour pressure</strong></td>
<td>Not available.</td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>Vapour density</strong></td>
<td>Not available.</td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>Relative density</strong></td>
<td>Not available.</td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>Solubility(ies)</strong></td>
<td>Soluble in the following materials: cold water and hot water.</td>
<td>Easily soluble in the following materials: cold water and hot water.</td>
</tr>
<tr>
<td><strong>Partition coefficient: n-octanol/water</strong></td>
<td>Not available.</td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>Auto-ignition temperature</strong></td>
<td>Not available.</td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>Decomposition temperature</strong></td>
<td>Not available.</td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>Viscosity</strong></td>
<td>Not available.</td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>Explosive properties</strong></td>
<td>Not available.</td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>Oxidising properties</strong></td>
<td>Not available.</td>
<td>Not available.</td>
</tr>
</tbody>
</table>

9.2 Other information

No additional information.
## SECTION 10: Stability and reactivity

### 10.1 Reactivity
- **SureSelect RNase Block**: 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.

### 10.2 Chemical stability
- **SureSelect RNase Block**: The product is stable.
- **SureSelect Hyb 3**: The product is stable.

### 10.3 Possibility of hazardous reactions
- **SureSelect RNase Block**: 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.

### 10.4 Conditions to avoid
- **SureSelect RNase Block**: No specific data.
- **SureSelect Hyb 3**: No specific data.

### 10.5 Incompatible materials
- **SureSelect RNase Block**: May react or be incompatible with oxidising materials.
- **SureSelect Hyb 3**: May react or be incompatible with oxidising materials.

### 10.6 Hazardous decomposition products
- **SureSelect RNase Block**: Under normal conditions of storage and use, hazardous decomposition products should not be produced.
- **SureSelect Hyb 3**: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity
- Not available.

#### Acute toxicity estimates
- Not available.

#### Irritation/Corrosion
- **Conclusion/Summary**: Not available.

#### Sensitiser
- **Conclusion/Summary**: Not available.

#### Mutagenicity
- **Conclusion/Summary**: Not available.

#### Carcinogenicity
- **Conclusion/Summary**: Not available.

#### Reproductive toxicity
- **Conclusion/Summary**: Not available.

#### Teratogenicity
- **Conclusion/Summary**: Not available.

#### Specific target organ toxicity (single exposure)
- Not available.

#### Specific target organ toxicity (repeated exposure)
- Not available.

#### Aspiration hazard
- Not available.

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SECTION 11: Toxicological information

Information on likely routes of exposure:

**Potential acute health effects**

<table>
<thead>
<tr>
<th>Route</th>
<th>SureSelect RNase Block</th>
<th>SureSelect Hyb 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inhalation</td>
<td>No known significant effects or critical hazards.</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>Ingestion</td>
<td>No known significant effects or critical hazards.</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>Skin contact</td>
<td>No known significant effects or critical hazards.</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>Eye contact</td>
<td>No known significant effects or critical hazards.</td>
<td>No known significant effects or critical hazards.</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Route</th>
<th>SureSelect RNase Block</th>
<th>SureSelect Hyb 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inhalation</td>
<td>No specific data.</td>
<td>No specific data.</td>
</tr>
<tr>
<td>Ingestion</td>
<td>No specific data.</td>
<td>No specific data.</td>
</tr>
<tr>
<td>Skin contact</td>
<td>No specific data.</td>
<td>No specific data.</td>
</tr>
<tr>
<td>Eye contact</td>
<td>No specific data.</td>
<td>No specific data.</td>
</tr>
</tbody>
</table>

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Short term exposure**

<table>
<thead>
<tr>
<th>Effects</th>
<th>SureSelect RNase Block</th>
<th>SureSelect Hyb 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Immediate</td>
<td>Not available.</td>
<td></td>
</tr>
<tr>
<td>Delayed</td>
<td>Not available.</td>
<td></td>
</tr>
</tbody>
</table>

**Long term exposure**

<table>
<thead>
<tr>
<th>Effects</th>
<th>SureSelect RNase Block</th>
<th>SureSelect Hyb 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Immediate</td>
<td>Not available.</td>
<td></td>
</tr>
<tr>
<td>Delayed</td>
<td>Not available.</td>
<td></td>
</tr>
</tbody>
</table>

**Potential chronic health effects**

<table>
<thead>
<tr>
<th>Effect</th>
<th>SureSelect RNase Block</th>
<th>SureSelect Hyb 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>General</td>
<td>No known significant effects or critical hazards.</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>No known significant effects or critical hazards.</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>Mutagenicity</td>
<td>No known significant effects or critical hazards.</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>Teratogenicity</td>
<td>No known significant effects or critical hazards.</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>Developmental effects</td>
<td>No known significant effects or critical hazards.</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>Fertility effects</td>
<td>No known significant effects or critical hazards.</td>
<td>No known significant effects or critical hazards.</td>
</tr>
</tbody>
</table>

SECTION 12: Ecological information

12.1 Toxicity

**Conclusion/Summary**: Not available.

12.2 Persistence and degradability

Not available.
SECTION 12: Ecological information

12.3 Bioaccumulative potential
Not available.

12.4 Mobility in soil
- Soil/water partition coefficient ($K_{OC}$): Not available.
- Mobility: Not available.

12.5 Results of PBT and vPvB assessment
- PBT: Not applicable.
- vPvB: Not applicable.

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

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product
- Methods of disposal: The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.
- Hazardous waste: Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 2008/98/EC.

Packaging
- Methods of disposal: The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.
- Special precautions: This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spill material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

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

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

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
EU Regulation (EC) No. 1907/2006 (REACH)
- Annex XIV - List of substances subject to authorisation
  - Annex XIV
    - None of the components are listed.
  - Substances of very high concern

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SECTION 15: Regulatory information

None of the components are listed.

**Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles**

<table>
<thead>
<tr>
<th>Product</th>
<th>Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>SureSelect RNase Block</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>SureSelect Hyb 3</td>
<td>Not applicable.</td>
</tr>
</tbody>
</table>

**Other EU regulations**

- **Ozone depleting substances (1005/2009/EU)**
  Not listed.

- **Prior Informed Consent (PIC) (649/2012/EU)**
  Not listed.

- **Seveso Directive**
  This product is not controlled under the Seveso Directive.

**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**

<table>
<thead>
<tr>
<th>Country</th>
<th>Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Australia</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Canada</td>
<td>At least one component is not listed in DSL but all such components are listed in NDSL.</td>
</tr>
<tr>
<td>China</td>
<td>All components are listed or exempted.</td>
</tr>
<tr>
<td>Europe</td>
<td>All components are listed or exempted.</td>
</tr>
</tbody>
</table>
| 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             | Not determined.                      |
| Thailand           | **Not determined.**                  |
| Turkey             | Not determined.                      |
| United States      | All components are listed or exempted. |
| Viet Nam           | **Not determined.**                  |

**15.2 Chemical safety assessment**

This product contains substances for which Chemical Safety Assessments might still be required.

**Date of issue/Date of revision**: 14/02/2018
SECTION 16: Other information

Indicates information that has changed from previously issued version.

Abbreviations and acronyms:
- ATE = Acute Toxicity Estimate
- CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
- DNEL = Derived No Effect Level
- EUH statement = CLP-specific Hazard statement
- PNEC = Predicted No Effect Concentration
- RRN = REACH Registration Number

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

<table>
<thead>
<tr>
<th>Classification</th>
<th>Justification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not classified.</td>
<td></td>
</tr>
</tbody>
</table>

Full text of abbreviated H statements
Not applicable.

Full text of classifications [CLP/GHS]
Not applicable.

Date of issue/ Date of revision: 14/02/2018
Date of previous issue: 15/07/2016
Version: 2

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