SAFETY DATA SHEET
SureSelect Target Enrichment Kit - Paired End Module Box 2 - 16 Reactions, Part Number 931022

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

1.1 Product identifier

Product name: SureSelect Target Enrichment Kit - Paired End Module Box 2 - 16 Reactions, Part Number 931022

Part No. (Kit): 931022

Part No.

<table>
<thead>
<tr>
<th>Product</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>SureSelect RNase Block</td>
<td>5190-4383</td>
</tr>
<tr>
<td>SureSelect ILM PCR Primers</td>
<td>5190-5443</td>
</tr>
<tr>
<td>SureSelect Hyb 3</td>
<td>5190-4382</td>
</tr>
<tr>
<td>SureSelect Block 2</td>
<td>5190-4381</td>
</tr>
<tr>
<td>SureSelect Block 1</td>
<td>5190-5439</td>
</tr>
<tr>
<td>SureSelect PE Block 3</td>
<td>5190-5441</td>
</tr>
</tbody>
</table>

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

Identified uses

<table>
<thead>
<tr>
<th>Analytical reagent.</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>SureSelect RNase Block</td>
<td>0.016 ml</td>
</tr>
<tr>
<td>SureSelect ILM PCR Primers</td>
<td>0.040 ml</td>
</tr>
<tr>
<td>SureSelect Hyb 3</td>
<td>0.16 ml</td>
</tr>
<tr>
<td>SureSelect Block 2</td>
<td>0.04 ml</td>
</tr>
<tr>
<td>SureSelect Block 1</td>
<td>0.04 ml</td>
</tr>
<tr>
<td>SureSelect PE Block 3</td>
<td>0.01 ml</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Product definition</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>SureSelect RNase Block</td>
<td>Mixture</td>
</tr>
<tr>
<td>SureSelect ILM PCR Primers</td>
<td>Mixture</td>
</tr>
<tr>
<td>SureSelect Hyb 3</td>
<td>Mixture</td>
</tr>
<tr>
<td>SureSelect Block 2</td>
<td>Mixture</td>
</tr>
<tr>
<td>SureSelect Block 1</td>
<td>Mixture</td>
</tr>
<tr>
<td>SureSelect PE Block 3</td>
<td>Mixture</td>
</tr>
</tbody>
</table>

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

SureSelect RNase Block
H373
SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2

Date of issue/Date of revision: 13/05/2014
**SECTION 2: Hazards identification**

<table>
<thead>
<tr>
<th>Ingredients of unknown toxicity</th>
<th>SureSelect RNase Block</th>
<th>Not applicable.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>SureSelect ILM PCR Primers</td>
<td>Not applicable.</td>
</tr>
<tr>
<td></td>
<td>SureSelect Hyb 3</td>
<td>Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 3%</td>
</tr>
<tr>
<td></td>
<td>SureSelect Block 2</td>
<td>Not applicable.</td>
</tr>
<tr>
<td></td>
<td>SureSelect Block 1</td>
<td>Not applicable.</td>
</tr>
<tr>
<td></td>
<td>SureSelect PE Block 3</td>
<td>Not applicable.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Ingredients of unknown ecotoxicity</th>
<th>SureSelect RNase Block</th>
<th>Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 50%</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>SureSelect ILM PCR Primers</td>
<td>Not applicable.</td>
</tr>
<tr>
<td></td>
<td>SureSelect Hyb 3</td>
<td>Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 3%</td>
</tr>
<tr>
<td></td>
<td>SureSelect Block 2</td>
<td>Not applicable.</td>
</tr>
<tr>
<td></td>
<td>SureSelect Block 1</td>
<td>Not applicable.</td>
</tr>
<tr>
<td></td>
<td>SureSelect PE Block 3</td>
<td>Not applicable.</td>
</tr>
</tbody>
</table>

**Classification according to Directive 1999/45/EC [DPD]**

- **SureSelect RNase Block**: The product is not classified as dangerous according to Directive 1999/45/EC and its amendments.
- **SureSelect ILM PCR Primers**: The product is not classified as dangerous according to Directive 1999/45/EC and its amendments.
- **SureSelect Hyb 3**: The product is not classified as dangerous according to Directive 1999/45/EC and its amendments.
- **SureSelect Block 2**: The product is not classified as dangerous according to Directive 1999/45/EC and its amendments.
- **SureSelect Block 1**: The product is not classified as dangerous according to Directive 1999/45/EC and its amendments.
- **SureSelect PE Block 3**: The product is not classified as dangerous according to Directive 1999/45/EC and its amendments.

**Classification**

- **SureSelect RNase Block**: Not classified.
- **SureSelect ILM PCR Primers**: Not classified.
- **SureSelect Hyb 3**: Not classified.
- **SureSelect Block 2**: Not classified.
- **SureSelect Block 1**: Not classified.
- **SureSelect PE Block 3**: Not classified.

See Section 16 for the full text of the R phrases or H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

**2.2 Label elements**

**Hazard pictograms**

![Hazard pictogram](image)

**Signal word**

- **SureSelect RNase Block**: Warning
- **SureSelect ILM PCR Primers**: No signal word.
- **SureSelect Hyb 3**: No signal word.
- **SureSelect Block 2**: No signal word.
- **SureSelect Block 1**: No signal word.
- **SureSelect PE Block 3**: No signal word.

**Hazard statements**

- **SureSelect RNase Block**: GHS08 - May cause damage to organs through prolonged or repeated exposure.
- **SureSelect ILM PCR Primers**: No known significant effects or critical hazards.
- **SureSelect Hyb 3**: No known significant effects or critical hazards.
- **SureSelect Block 2**: No known significant effects or critical hazards.
- **SureSelect Block 1**: No known significant effects or critical hazards.
- **SureSelect PE Block 3**: No known significant effects or critical hazards.
SECTION 2: Hazards identification

Precautionary statements

Prevention:
- SureSelect RNase Block: P260 - Do not breathe vapour.
- SureSelect ILM PCR Primers: Not applicable.
- SureSelect Hyb 3: Not applicable.
- SureSelect Block 2: Not applicable.
- SureSelect Block 1: Not applicable.
- SureSelect PE Block 3: Not applicable.

Response:
- SureSelect RNase Block: P314 - Get medical attention if you feel unwell.
- SureSelect ILM PCR Primers: Not applicable.
- SureSelect Hyb 3: Not applicable.
- SureSelect Block 2: Not applicable.
- SureSelect Block 1: Not applicable.
- SureSelect PE Block 3: Not applicable.

Storage:
- SureSelect RNase Block: Not applicable.
- SureSelect ILM PCR Primers: Not applicable.
- SureSelect Hyb 3: Not applicable.
- SureSelect Block 2: Not applicable.
- SureSelect Block 1: Not applicable.
- SureSelect PE Block 3: Not applicable.

Disposal:
- SureSelect RNase Block: P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
- SureSelect ILM PCR Primers: Not applicable.
- SureSelect Hyb 3: Not applicable.
- SureSelect Block 2: Not applicable.
- SureSelect Block 1: Not applicable.
- SureSelect PE Block 3: Not applicable.

Hazardous ingredients:
- SureSelect RNase Block
  - Glycerol

Supplemental label elements:
- SureSelect RNase Block: Not applicable.
- SureSelect ILM PCR Primers: Not applicable.
- SureSelect Hyb 3: Not applicable.
- SureSelect Block 2: Not applicable.
- SureSelect Block 1: Not applicable.
- SureSelect PE Block 3: Not applicable.

Special packaging requirements:
- Tactile warning of danger: Not applicable.

2.3 Other hazards

Other hazards which do not result in classification:
- SureSelect RNase Block: None known.
- SureSelect ILM PCR Primers: None known.
- SureSelect Hyb 3: None known.
- SureSelect Block 2: None known.
- SureSelect Block 1: None known.
- SureSelect PE Block 3: None known.
SECTION 3: Composition/information on ingredients

<table>
<thead>
<tr>
<th>Substance/mixture</th>
<th>Identifiers</th>
<th>%</th>
<th>Classification</th>
<th>Regulation (EC) No. 1272/2008 [CLP]</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>SureSelect RNase Block</td>
<td>EC: 200-289-5</td>
<td>&gt;=50 -</td>
<td>Not classified.</td>
<td></td>
<td>[1]</td>
</tr>
<tr>
<td>Glycerol</td>
<td>CAS: 56-81-5</td>
<td>&lt;75</td>
<td></td>
<td>STOT RE 2, H373 (kidneys) (inhalation)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>See Section 16 for the full text of the H statements declared above.</td>
<td></td>
</tr>
<tr>
<td>SureSelect ILM PCR Primers</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SureSelect Hyb 3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SureSelect Block 2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SureSelect Block 1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SureSelect PE Block 3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></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
[5] Substance of equivalent concern

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

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. Continue to rinse for at least 10 minutes. Get medical attention following exposure or if feeling unwell.

SureSelect ILM PCR Primers
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 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 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 PE 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.

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 following exposure or if feeling unwell. 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>Product</th>
<th>Instructions</th>
</tr>
</thead>
<tbody>
<tr>
<td>SureSelect ILM PCR Primers</td>
<td>Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.</td>
</tr>
<tr>
<td>SureSelect Hyb 3</td>
<td>Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.</td>
</tr>
<tr>
<td>SureSelect Block 2</td>
<td>Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.</td>
</tr>
<tr>
<td>SureSelect Block 1</td>
<td>Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.</td>
</tr>
<tr>
<td>SureSelect PE Block 3</td>
<td>Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.</td>
</tr>
<tr>
<td><strong>Skin contact</strong></td>
<td><strong>SureSelect RNase Block</strong> Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention following exposure or if feeling unwell. Wash clothing before reuse. Clean shoes thoroughly before reuse.</td>
</tr>
<tr>
<td>SureSelect ILM PCR Primers</td>
<td>Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.</td>
</tr>
<tr>
<td>SureSelect Hyb 3</td>
<td>Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.</td>
</tr>
<tr>
<td>SureSelect Block 2</td>
<td>Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.</td>
</tr>
<tr>
<td>SureSelect Block 1</td>
<td>Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.</td>
</tr>
<tr>
<td>SureSelect PE Block 3</td>
<td>Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.</td>
</tr>
<tr>
<td><strong>Ingestion</strong></td>
<td><strong>SureSelect RNase Block</strong> 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 following exposure or if feeling unwell. 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.</td>
</tr>
<tr>
<td>SureSelect ILM PCR Primers</td>
<td>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.</td>
</tr>
<tr>
<td>SureSelect Hyb 3</td>
<td>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.</td>
</tr>
<tr>
<td>SureSelect Block 2</td>
<td>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.</td>
</tr>
</tbody>
</table>

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SECTION 4: First aid measures

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 1**
- 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 PE Block 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. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

**SureSelect ILM PCR Primers**
- 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.

**SureSelect Block 2**
- No action shall be taken involving any personal risk or without suitable training.

**SureSelect Block 1**
- No action shall be taken involving any personal risk or without suitable training.

**SureSelect PE Block 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 ILM PCR Primers**
  - No known significant effects or critical hazards.
- **SureSelect Hyb 3**
  - No known significant effects or critical hazards.
- **SureSelect Block 2**
  - No known significant effects or critical hazards.
- **SureSelect Block 1**
  - No known significant effects or critical hazards.
- **SureSelect PE Block 3**
  - No known significant effects or critical hazards.

**Inhalation**
- **SureSelect RNase Block**
  - No known significant effects or critical hazards.
- **SureSelect ILM PCR Primers**
  - No known significant effects or critical hazards.
- **SureSelect Hyb 3**
  - Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
- **SureSelect Block 2**
  - No known significant effects or critical hazards.
- **SureSelect Block 1**
  - No known significant effects or critical hazards.
- **SureSelect PE Block 3**
  - No known significant effects or critical hazards.

**Skin contact**
- **SureSelect RNase Block**
  - No known significant effects or critical hazards.
- **SureSelect ILM PCR Primers**
  - No known significant effects or critical hazards.
- **SureSelect Hyb 3**
  - No known significant effects or critical hazards.
- **SureSelect Block 2**
  - No known significant effects or critical hazards.
- **SureSelect Block 1**
  - No known significant effects or critical hazards.
- **SureSelect PE Block 3**
  - No known significant effects or critical hazards.

**Ingestion**
- **SureSelect RNase Block**
  - No known significant effects or critical hazards.
- **SureSelect ILM PCR Primers**
  - No known significant effects or critical hazards.
- **SureSelect Hyb 3**
  - No known significant effects or critical hazards.
- **SureSelect Block 2**
  - No known significant effects or critical hazards.
- **SureSelect Block 1**
  - No known significant effects or critical hazards.
- **SureSelect PE Block 3**
  - No known significant effects or critical hazards.

**Over-exposure signs/symptoms**

**Date of issue/Date of revision**

: 13/05/2014
### SECTION 4: First aid measures

#### Eye contact
- **SureSelect RNase Block**
- **SureSelect ILM PCR Primers**
- **SureSelect Hyb 3**
- **SureSelect Block 2**
- **SureSelect Block 1**
- **SureSelect PE Block 3**

No specific data.

#### Inhalation
- **SureSelect RNase Block**
- **SureSelect ILM PCR Primers**
- **SureSelect Hyb 3**
- **SureSelect Block 2**
- **SureSelect Block 1**
- **SureSelect PE Block 3**

No specific data.

#### Skin contact
- **SureSelect RNase Block**
- **SureSelect ILM PCR Primers**
- **SureSelect Hyb 3**
- **SureSelect Block 2**
- **SureSelect Block 1**
- **SureSelect PE Block 3**

No specific data.

#### Ingestion
- **SureSelect RNase Block**
- **SureSelect ILM PCR Primers**
- **SureSelect Hyb 3**
- **SureSelect Block 2**
- **SureSelect Block 1**
- **SureSelect PE Block 3**

No specific data.

#### 4.3 Indication of any immediate medical attention and special treatment needed

**Notes to physician**
- **SureSelect RNase Block**
  - Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- **SureSelect ILM PCR Primers**
  - 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.
- **SureSelect Block 2**
  - Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- **SureSelect Block 1**
  - Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- **SureSelect PE Block 3**
  - Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

**Specific treatments**
- **SureSelect RNase Block**
  - No specific treatment.
- **SureSelect ILM PCR Primers**
  - No specific treatment.
- **SureSelect Hyb 3**
  - No specific treatment.
- **SureSelect Block 2**
  - No specific treatment.
- **SureSelect Block 1**
  - No specific treatment.
- **SureSelect PE Block 3**
  - No specific treatment.

### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

**Suitable extinguishing media**
- **SureSelect RNase Block**
- **SureSelect ILM PCR Primers**
- **SureSelect Hyb 3**
- **SureSelect Block 2**
- **SureSelect Block 1**
- **SureSelect PE Block 3**

Use an extinguishing agent suitable for the surrounding fire.
### SECTION 5: Firefighting measures

#### Unsuitable extinguishing media

|SureSelect RNase Block| None known.|
|SureSelect ILM PCR Primers| None known.|
|SureSelect Hyb 3| None known.|
|SureSelect Block 2| None known.|
|SureSelect Block 1| None known.|
|SureSelect PE Block 3| None known.|

#### 5.2 Special hazards arising from the substance or mixture

**Hazardous combustion products**

|SureSelect RNase Block| Decomposition products may include the following materials: carbon dioxide, carbon monoxide, nitrogen oxides, halogenated compounds.|
|SureSelect ILM PCR Primers| No specific data.|
|SureSelect Hyb 3| Decomposition products may include the following materials: carbon dioxide, carbon monoxide, nitrogen oxides, halogenated compounds.|
|SureSelect Block 2| No specific data.|
|SureSelect Block 1| No specific data.|
|SureSelect PE Block 3| No specific data.|

**In a fire or if heated, a pressure increase will occur and the container may burst.**

#### 5.3 Advice for firefighters

**Special precautions 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 ILM PCR Primers| 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.|
|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 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 PE 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.|

**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. 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.|
|SureSelect ILM PCR Primers| 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
SECTION 5: Firefighting measures

Fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

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. 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.

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. 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.

SureSelect 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. 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.

SureSelect PE 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. 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.

SECTION 6: Accidental release measures

6.1 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 spilt material. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

SureSelect ILM PCR Primers
No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.

SureSelect Hyb 3
No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.

SureSelect Block 2
No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.

SureSelect 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 spilt material. Put on appropriate personal protective equipment.

SureSelect PE 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 spilt material. Put on appropriate personal protective equipment.
### SECTION 6: Accidental release measures

<table>
<thead>
<tr>
<th>For emergency responders</th>
<th>SureSelect RNase Block</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<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>
</tr>
</tbody>
</table>

| SureSelect ILM PCR Primers | If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel". |
| SureSelect Hyb 3            | If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel". |
| SureSelect Block 2          | If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel". |
| SureSelect Block 1          | If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel". |
| SureSelect PE Block 3       | If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel". |

### 6.2 Environmental precautions

| SureSelect RNase Block |
| Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |

| SureSelect ILM PCR Primers |
| Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |

| SureSelect Hyb 3 |
| Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |

| SureSelect Block 2 |
| Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |

| SureSelect Block 1 |
| Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |

| SureSelect PE Block 3 |
| Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |

### 6.3 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 ILM PCR Primers |
| 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. |

**Date of issue/Date of revision**: 13/05/2014 10/23
### SECTION 6: Accidental release measures

<table>
<thead>
<tr>
<th>Product</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SureSelect Block 2</td>
<td>Place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor. 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>
</tr>
<tr>
<td>SureSelect Block 1</td>
<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>
</tr>
<tr>
<td>SureSelect PE Block 3</td>
<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>
</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

#### Protective measures
- SureSelect RNase Block: Put on appropriate personal protective equipment (see Section 8). Do not breathe vapour or mist. Do not ingest. Avoid contact with eyes, skin and clothing. 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 ILM PCR Primers
- SureSelect Hyb 3
- SureSelect Block 2
- SureSelect Block 1
- SureSelect PE Block 3

#### 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 ILM PCR Primers
- SureSelect Hyb 3
- SureSelect Block 2

Date of issue/Date of revision: 13/05/2014
**SECTION 7: Handling and storage**

<table>
<thead>
<tr>
<th>Product</th>
<th>Storage Instructions</th>
</tr>
</thead>
<tbody>
<tr>
<td>SureSelect Block 1</td>
<td>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.</td>
</tr>
<tr>
<td>SureSelect PE Block 3</td>
<td>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.</td>
</tr>
<tr>
<td>SureSelect RNase Block</td>
<td>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.</td>
</tr>
<tr>
<td>SureSelect ILM PCR Primers</td>
<td>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.</td>
</tr>
<tr>
<td>SureSelect Hyb 3</td>
<td>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.</td>
</tr>
<tr>
<td>SureSelect Block 2</td>
<td>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.</td>
</tr>
<tr>
<td>SureSelect Block 1</td>
<td>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.</td>
</tr>
<tr>
<td>SureSelect PE Block 3</td>
<td>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.</td>
</tr>
</tbody>
</table>
SECTION 7: Handling and storage

prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.

7.3 Specific end use(s)

Recommendations:
- SureSelect RNase Block: Industrial applications, Professional applications.
- SureSelect ILM PCR Primers: Industrial applications.
- SureSelect Hyb 3: Industrial applications, Professional applications.
- SureSelect Block 2: Industrial applications, Professional applications.
- SureSelect Block 1: Industrial applications.
- SureSelect PE Block 3: Industrial applications.

Industrial sector specific solutions: Not applicable.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits
No exposure limit value known.

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.

Derived effect levels
No DNELs available.

Predicted effect concentrations
No PNECs available.

8.2 Exposure controls

Appropriate engineering controls:
If user operations generate dust, fumes, gas, vapour or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

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
SECTION 8: Exposure controls/personal 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: Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

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
Liquid.
SureSelect ILM PCR Primers
Liquid.
SureSelect Hyb 3
Liquid.
SureSelect Block 2
Liquid.
SureSelect Block 1
Liquid.
SureSelect PE Block 3
Liquid.

Colour: SureSelect RNase Block
Not available.
SureSelect ILM PCR Primers
Not available.
SureSelect Hyb 3
Not available.
SureSelect Block 2
Colourless.
SureSelect Block 1
Not available.
SureSelect PE Block 3
Not available.

Odour: SureSelect RNase Block
Not available.
SureSelect ILM PCR Primers
Not available.
SureSelect Hyb 3
Not available.
SureSelect Block 2
Odourless.
SureSelect Block 1
Not available.
SureSelect PE Block 3
Not available.

Odour threshold: SureSelect RNase Block
Not available.
SureSelect ILM PCR Primers
Not available.
SureSelect Hyb 3
Not available.
SureSelect Block 2
Not available.
SureSelect Block 1
Not available.
SureSelect PE Block 3
Not available.
## SECTION 9: Physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Product</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH</td>
<td>SureSelect RNase Block</td>
<td>Not available.</td>
</tr>
<tr>
<td></td>
<td>SureSelect ILM PCR Primers</td>
<td>Not available.</td>
</tr>
<tr>
<td></td>
<td>SureSelect Hyb 3</td>
<td>7 to 8</td>
</tr>
<tr>
<td></td>
<td>SureSelect Block 2</td>
<td>Not available.</td>
</tr>
<tr>
<td></td>
<td>SureSelect Block 1</td>
<td>Not available.</td>
</tr>
<tr>
<td>Melting point/freezing point</td>
<td>SureSelect RNase Block</td>
<td>Not available.</td>
</tr>
<tr>
<td></td>
<td>SureSelect ILM PCR Primers</td>
<td>0°C</td>
</tr>
<tr>
<td></td>
<td>SureSelect Hyb 3</td>
<td>0°C</td>
</tr>
<tr>
<td></td>
<td>SureSelect Block 2</td>
<td>0°C</td>
</tr>
<tr>
<td></td>
<td>SureSelect Block 1</td>
<td>0°C</td>
</tr>
<tr>
<td></td>
<td>SureSelect PE Block 3</td>
<td>0°C</td>
</tr>
<tr>
<td>Initial boiling point and boiling range</td>
<td>SureSelect RNase Block</td>
<td>Not available.</td>
</tr>
<tr>
<td></td>
<td>SureSelect ILM PCR Primers</td>
<td>100°C</td>
</tr>
<tr>
<td></td>
<td>SureSelect Hyb 3</td>
<td>100°C</td>
</tr>
<tr>
<td></td>
<td>SureSelect Block 2</td>
<td>100°C</td>
</tr>
<tr>
<td></td>
<td>SureSelect Block 1</td>
<td>100°C</td>
</tr>
<tr>
<td></td>
<td>SureSelect PE Block 3</td>
<td>100°C</td>
</tr>
<tr>
<td>Flash point</td>
<td>SureSelect RNase Block</td>
<td>Not available.</td>
</tr>
<tr>
<td></td>
<td>SureSelect ILM PCR Primers</td>
<td>Not available.</td>
</tr>
<tr>
<td></td>
<td>SureSelect Hyb 3</td>
<td>Not available.</td>
</tr>
<tr>
<td></td>
<td>SureSelect Block 2</td>
<td>Not available.</td>
</tr>
<tr>
<td></td>
<td>SureSelect Block 1</td>
<td>Not available.</td>
</tr>
<tr>
<td></td>
<td>SureSelect PE Block 3</td>
<td>Not available.</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>SureSelect RNase Block</td>
<td>Not available.</td>
</tr>
<tr>
<td></td>
<td>SureSelect ILM PCR Primers</td>
<td>Not available.</td>
</tr>
<tr>
<td></td>
<td>SureSelect Hyb 3</td>
<td>Not available.</td>
</tr>
<tr>
<td></td>
<td>SureSelect Block 2</td>
<td>Not available.</td>
</tr>
<tr>
<td></td>
<td>SureSelect Block 1</td>
<td>Not available.</td>
</tr>
<tr>
<td></td>
<td>SureSelect PE Block 3</td>
<td>Not available.</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>SureSelect RNase Block</td>
<td>Not applicable.</td>
</tr>
<tr>
<td></td>
<td>SureSelect ILM PCR Primers</td>
<td>Not applicable.</td>
</tr>
<tr>
<td></td>
<td>SureSelect Hyb 3</td>
<td>Not applicable.</td>
</tr>
<tr>
<td></td>
<td>SureSelect Block 2</td>
<td>Not applicable.</td>
</tr>
<tr>
<td></td>
<td>SureSelect Block 1</td>
<td>Not applicable.</td>
</tr>
<tr>
<td></td>
<td>SureSelect PE Block 3</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Upper/lower flammability or explosive limits</td>
<td>SureSelect RNase Block</td>
<td>Not available.</td>
</tr>
<tr>
<td></td>
<td>SureSelect ILM PCR Primers</td>
<td>Not available.</td>
</tr>
<tr>
<td></td>
<td>SureSelect Hyb 3</td>
<td>Not available.</td>
</tr>
<tr>
<td></td>
<td>SureSelect Block 2</td>
<td>Not available.</td>
</tr>
<tr>
<td></td>
<td>SureSelect Block 1</td>
<td>Not available.</td>
</tr>
<tr>
<td></td>
<td>SureSelect PE Block 3</td>
<td>Not available.</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>SureSelect RNase Block</td>
<td>Not available.</td>
</tr>
<tr>
<td></td>
<td>SureSelect ILM PCR Primers</td>
<td>Not available.</td>
</tr>
<tr>
<td></td>
<td>SureSelect Hyb 3</td>
<td>Not available.</td>
</tr>
<tr>
<td></td>
<td>SureSelect Block 2</td>
<td>Not available.</td>
</tr>
<tr>
<td></td>
<td>SureSelect Block 1</td>
<td>Not available.</td>
</tr>
<tr>
<td></td>
<td>SureSelect PE Block 3</td>
<td>Not available.</td>
</tr>
</tbody>
</table>
### SECTION 9: Physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>SureSelect RNase Block</th>
<th>SureSelect ILM PCR Primers</th>
<th>SureSelect Hyb 3</th>
<th>SureSelect Block 2</th>
<th>SureSelect Block 1</th>
<th>SureSelect PE Block 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solubility(ies)</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>
<td>Easily soluble in the following materials: cold water and hot water.</td>
<td>Easily soluble in the following materials: cold water and hot water.</td>
<td>Easily 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>
</tbody>
</table>
### SECTION 9: Physical and chemical properties

#### Explosive properties

- SureSelect RNase Block: Not available.
- SureSelect ILM PCR Primers: Not available.
- SureSelect Hyb 3: Not available.
- SureSelect Block 2: Not available.
- SureSelect Block 1: Not available.
- SureSelect PE Block 3: Not available.

#### 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 ILM PCR Primers: 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.
- SureSelect Block 2: No specific test data related to reactivity available for this product or its ingredients.
- SureSelect Block 1: No specific test data related to reactivity available for this product or its ingredients.
- SureSelect PE Block 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 ILM PCR Primers: The product is stable.
- SureSelect Hyb 3: The product is stable.
- SureSelect Block 2: The product is stable.
- SureSelect Block 1: The product is stable.
- SureSelect PE Block 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 ILM PCR Primers: 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.
- SureSelect Block 2: Under normal conditions of storage and use, hazardous reactions will not occur.
- SureSelect Block 1: Under normal conditions of storage and use, hazardous reactions will not occur.
- SureSelect PE Block 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 ILM PCR Primers: No specific data.
- SureSelect Hyb 3: No specific data.
- SureSelect Block 2: No specific data.
- SureSelect Block 1: No specific data.
- SureSelect PE Block 3: No specific data.

#### 10.5 Incompatible materials

- SureSelect RNase Block: No specific data.
- SureSelect ILM PCR Primers: No specific data.
- SureSelect Hyb 3: No specific data.
- SureSelect Block 2: No specific data.
- SureSelect Block 1: No specific data.
- SureSelect PE Block 3: No specific data.

Date of issue/Date of revision: 13/05/2014
SECTION 10: Stability and reactivity

10.6 Hazardous decomposition products:

- SureSelect RNase Block
  Under normal conditions of storage and use, hazardous decomposition products should not be produced.
- SureSelect ILM PCR Primers
  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.
- SureSelect Block 2
  Under normal conditions of storage and use, hazardous decomposition products should not be produced.
- SureSelect Block 1
  Under normal conditions of storage and use, hazardous decomposition products should not be produced.
- SureSelect PE Block 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

<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>

Acute toxicity estimates

Not available.

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>

Sensitiser

Conclusion/Summary: Not available.

Chronic toxicity / Carcinogenicity / Mutagenicity / Teratogenicity / Reproductive toxicity

Not available.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Category</th>
<th>Route of exposure</th>
<th>Target organs</th>
</tr>
</thead>
<tbody>
<tr>
<td>SureSelect RNase Block Glycerol</td>
<td>Category 2</td>
<td>Inhalation</td>
<td>kidneys</td>
</tr>
</tbody>
</table>

Aspiration hazard

Not available.

Information on the likely routes of exposure

Potential acute health effects

Inhalation:
- SureSelect RNase Block
  No known significant effects or critical hazards.
- SureSelect ILM PCR Primers
  No known significant effects or critical hazards.
- SureSelect Hyb 3
  Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
- SureSelect Block 2
  No known significant effects or critical hazards.
- SureSelect Block 1
  No known significant effects or critical hazards.
- SureSelect PE Block 3
  No known significant effects or critical hazards.
## SECTION 11: Toxicological information

<table>
<thead>
<tr>
<th>Ingestion</th>
<th>SureSelect RNase Block</th>
<th>No known significant effects or critical hazards.</th>
</tr>
</thead>
<tbody>
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### Symptoms related to the physical, chemical and toxicological characteristics

### Inhalation

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### Ingestion

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### Eye contact

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<td>SureSelect PE Block 3</td>
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### 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.
SureSelect Target Enrichment Kit - Paired End Module Box 2 - 16 Reactions, Part Number 931022

SECTION 11: Toxicological information

Potential delayed effects : Not available.

Potential chronic health effects

General : SureSelect RNase Block May cause damage to organs through prolonged or repeated exposure. SureSelect ILM PCR Primers No known significant effects or critical hazards. SureSelect Hyb 3 No known significant effects or critical hazards. SureSelect Block 2 No known significant effects or critical hazards. SureSelect Block 1 No known significant effects or critical hazards. SureSelect PE Block 3 No known significant effects or critical hazards.

Carcinogenicity : SureSelect RNase Block No known significant effects or critical hazards. SureSelect ILM PCR Primers No known significant effects or critical hazards. SureSelect Hyb 3 No known significant effects or critical hazards. SureSelect Block 2 No known significant effects or critical hazards. SureSelect Block 1 No known significant effects or critical hazards. SureSelect PE Block 3 No known significant effects or critical hazards.

Mutagenicity : SureSelect RNase Block No known significant effects or critical hazards. SureSelect ILM PCR Primers No known significant effects or critical hazards. SureSelect Hyb 3 No known significant effects or critical hazards. SureSelect Block 2 No known significant effects or critical hazards. SureSelect Block 1 No known significant effects or critical hazards. SureSelect PE Block 3 No known significant effects or critical hazards.

Teratogenicity : SureSelect RNase Block No known significant effects or critical hazards. SureSelect ILM PCR Primers No known significant effects or critical hazards. SureSelect Hyb 3 No known significant effects or critical hazards. SureSelect Block 2 No known significant effects or critical hazards. SureSelect Block 1 No known significant effects or critical hazards. SureSelect PE Block 3 No known significant effects or critical hazards.

Developmental effects : SureSelect RNase Block No known significant effects or critical hazards. SureSelect ILM PCR Primers No known significant effects or critical hazards. SureSelect Hyb 3 No known significant effects or critical hazards. SureSelect Block 2 No known significant effects or critical hazards. SureSelect Block 1 No known significant effects or critical hazards. SureSelect PE Block 3 No known significant effects or critical hazards.

Fertility effects : SureSelect RNase Block No known significant effects or critical hazards. SureSelect ILM PCR Primers No known significant effects or critical hazards. SureSelect Hyb 3 No known significant effects or critical hazards. SureSelect Block 2 No known significant effects or critical hazards. SureSelect Block 1 No known significant effects or critical hazards. SureSelect PE Block 3 No known significant effects or critical hazards.

Toxicokinetics

Absorption : SureSelect RNase Block Not available. SureSelect ILM PCR Primers Not available. SureSelect Hyb 3 Not available. SureSelect Block 2 Not available. SureSelect Block 1 Not available. SureSelect PE Block 3 Not available.

Distribution : SureSelect RNase Block Not available. SureSelect ILM PCR Primers Not available. SureSelect Hyb 3 Not available. SureSelect Block 2 Not available. SureSelect Block 1 Not available. SureSelect PE Block 3 Not available.
SECTION 11: Toxicological information

Metabolism:
- SureSelect RNase Block Not available.
- SureSelect ILM PCR Primers Not available.
- SureSelect Hyb 3 Not available.
- SureSelect Block 2 Not available.
- SureSelect Block 1 Not available.
- SureSelect PE Block 3 Not available.

Elimination:
- SureSelect RNase Block Not available.
- SureSelect ILM PCR Primers Not available.
- SureSelect Hyb 3 Not available.
- SureSelect Block 2 Not available.
- SureSelect Block 1 Not available.
- SureSelect PE Block 3 Not available.

Other information: Not available.

SECTION 12: Ecological information

12.1 Toxicity
Conclusion/Summary: Not available.

12.2 Persistence and degradability
Conclusion/Summary: Not available.

12.3 Bioaccumulative potential

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<tr>
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<th>LogP\textsubscript{ow}</th>
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<tr>
<td>SureSelect RNase Block Glycerol</td>
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<td>-</td>
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</table>

12.4 Mobility in soil

- Soil/water partition coefficient (K\textsubscript{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

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.
SureSelect Target Enrichment Kit - Paired End Module Box 2 - 16 Reactions, Part Number 931022

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II - Europe

SECTION 13: Disposal considerations

Special precautions: 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 spilt material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

Regulatory information

ADR/RID / IMDG / IATA: Not regulated.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 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

Substances of very high concern: 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: Not applicable.

Other EU regulations

Europe inventory: Not determined.
Black List Chemicals: Not listed
Priority List Chemicals: Not listed
Integrated pollution prevention and control list (IPPC) - Air: Not listed
Integrated pollution prevention and control list (IPPC) - Water: Not listed

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

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]

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Date of issue/Date of revision: 13/05/2014
### SECTION 16: Other information

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<td>May cause damage to organs through prolonged or repeated exposure.</td>
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<td>H373 (kidneys) (inhalation)</td>
<td>May cause damage to organs through prolonged or repeated exposure if inhaled. (kidneys)</td>
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<table>
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<tr>
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</table>

**Date of issue/ Date of revision**: 13/05/2014

**Date of previous issue**: 29/05/2012

**Version**: 2

**Notice to reader**

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