Section 1. Identification

Product identifier: SureSelect QXT Target Enrichment Kit-ILM-Hyb Module Box 1
Part no. (chemical kit): 5190-7333, 5190-7335
Part no.: SureSelect Binding Buffer 5190-4399 / 5190-4407
SureSelect Wash Buffer 1 5190-4400 / 5190-4408
SureSelect QXT Fast Wash Buffer 2 5190-7328 / 5190-7331
SureSelect QXT Stop Solution 5190-7059

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

Material uses: Analytical reagent.
SureSelect Binding Buffer 13.2 ml - 80 ml
SureSelect Wash Buffer 1 8 ml - 48 ml
SureSelect QXT Fast Wash Buffer 2 24 ml - 144 ml
SureSelect QXT Stop Solution 4.5 ml

Supplier/Manufacturer: Agilent Technologies Australia Pty Ltd
679 Springvale Road
Mulgrave
Victoria 3170, Australia
1800 802 402

Emergency telephone number (with hours of operation): CHEMTREC®: +(61)-290372994

Section 2. Hazard(s) identification

Classification of the substance or mixture
SureSelect QXT Stop Solution
H302 ACUTE TOXICITY (oral) - Category 4
H332 ACUTE TOXICITY (inhalation) - Category 4
H412 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3

GHS label elements

Hazard pictograms: SureSelect QXT Stop Solution

Percentage of the mixture consisting of ingredient(s) of unknown inhalation toxicity: 1 - 10%
Percentage of the mixture consisting of ingredient(s) of unknown dermal toxicity: 1 - 10%
Percentage of the mixture consisting of ingredient(s) of unknown inhalation toxicity: 1 - 10%
Percentage of the mixture consisting of ingredient(s) of unknown oral toxicity: 1 - 10%
Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 1.6%

Date of issue/Date of revision: 18/04/2018
Date of previous issue: 31/03/2016
Version: 3
### Section 2. Hazard(s) identification

<table>
<thead>
<tr>
<th>Signal word</th>
<th>SureSelect Binding Buffer</th>
<th>No signal word.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>SureSelect Wash Buffer 1</td>
<td>No signal word.</td>
</tr>
<tr>
<td></td>
<td>SureSelect QXT Fast Wash</td>
<td>No signal word.</td>
</tr>
<tr>
<td></td>
<td>Buffer 2</td>
<td></td>
</tr>
<tr>
<td></td>
<td>SureSelect QXT Stop</td>
<td>WARNING</td>
</tr>
<tr>
<td></td>
<td>Solution</td>
<td></td>
</tr>
</tbody>
</table>

#### Hazard statements

<table>
<thead>
<tr>
<th>SureSelect Binding Buffer</th>
<th>No known significant effects or critical hazards.</th>
</tr>
</thead>
<tbody>
<tr>
<td>SureSelect Wash Buffer 1</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>SureSelect QXT Fast Wash</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>Buffer 2</td>
<td></td>
</tr>
<tr>
<td>SureSelect QXT Stop</td>
<td>H302 + H332 - Harmful if swallowed or if inhaled.</td>
</tr>
<tr>
<td>Solution</td>
<td>H412 - Harmful to aquatic life with long lasting effects.</td>
</tr>
</tbody>
</table>

#### Precautionary statements

**Prevention**

<table>
<thead>
<tr>
<th>SureSelect Binding Buffer</th>
<th>Not applicable.</th>
</tr>
</thead>
<tbody>
<tr>
<td>SureSelect Wash Buffer 1</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>SureSelect QXT Fast Wash</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Buffer 2</td>
<td></td>
</tr>
<tr>
<td>SureSelect QXT Stop</td>
<td>P271 - Use only outdoors or in a well-ventilated area.</td>
</tr>
<tr>
<td>Solution</td>
<td>P273 - Avoid release to the environment.</td>
</tr>
<tr>
<td></td>
<td>P261 - Avoid breathing vapour.</td>
</tr>
<tr>
<td></td>
<td>P270 - Do not eat, drink or smoke when using this product.</td>
</tr>
<tr>
<td></td>
<td>P264 - Wash hands thoroughly after handling.</td>
</tr>
</tbody>
</table>

**Response**

<table>
<thead>
<tr>
<th>SureSelect Binding Buffer</th>
<th>Not applicable.</th>
</tr>
</thead>
<tbody>
<tr>
<td>SureSelect Wash Buffer 1</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>SureSelect QXT Fast Wash</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Buffer 2</td>
<td></td>
</tr>
<tr>
<td>SureSelect QXT Stop</td>
<td>P304 + P340 + P312 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or physician if you feel unwell.</td>
</tr>
<tr>
<td>Solution</td>
<td>P301 + P312 + P330 - IF SWALLOWED: Call a POISON CENTER or physician if you feel unwell. Rinse mouth.</td>
</tr>
</tbody>
</table>

**Storage**

<table>
<thead>
<tr>
<th>SureSelect Binding Buffer</th>
<th>Not applicable.</th>
</tr>
</thead>
<tbody>
<tr>
<td>SureSelect Wash Buffer 1</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>SureSelect QXT Fast Wash</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Buffer 2</td>
<td></td>
</tr>
<tr>
<td>SureSelect QXT Stop</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Solution</td>
<td></td>
</tr>
</tbody>
</table>

**Disposal**

<table>
<thead>
<tr>
<th>SureSelect Binding Buffer</th>
<th>Not applicable.</th>
</tr>
</thead>
<tbody>
<tr>
<td>SureSelect Wash Buffer 1</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>SureSelect QXT Fast Wash</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Buffer 2</td>
<td></td>
</tr>
<tr>
<td>SureSelect QXT Stop</td>
<td>P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.</td>
</tr>
<tr>
<td>Solution</td>
<td></td>
</tr>
</tbody>
</table>

**Supplemental label elements**

<table>
<thead>
<tr>
<th>SureSelect Binding Buffer</th>
<th>Not applicable.</th>
</tr>
</thead>
<tbody>
<tr>
<td>SureSelect Wash Buffer 1</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>SureSelect QXT Fast Wash</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Buffer 2</td>
<td></td>
</tr>
<tr>
<td>SureSelect QXT Stop</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Solution</td>
<td></td>
</tr>
</tbody>
</table>
Section 2. Hazard(s) identification

Other hazards which do not result in classification:
- SureSelect Binding Buffer: None known.
- SureSelect Wash Buffer 1: None known.
- SureSelect Wash Buffer 2: None known.
- SureSelect QXT Fast Wash Buffer 2: None known.
- SureSelect QXT Stop Solution: None known.

Section 3. Composition and ingredient information

- SureSelect Binding Buffer: Mixture
- SureSelect Wash Buffer 1: Mixture
- SureSelect QXT Fast Wash Buffer 2: Mixture
- SureSelect QXT Stop Solution: Mixture

CAS number/other identifiers:

<table>
<thead>
<tr>
<th>Ingredient name</th>
<th>% (w/w)</th>
<th>CAS number</th>
</tr>
</thead>
<tbody>
<tr>
<td>SureSelect QXT Stop Solution</td>
<td>≥30 - &lt;55</td>
<td>593-84-0</td>
</tr>
<tr>
<td>Guanidinium thiocyanate</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.

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

Section 4. First aid measures

<table>
<thead>
<tr>
<th>Description of necessary first aid measures</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eye contact:</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>Inhalation:</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
</tbody>
</table>
## First aid measures

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

- **SureSelect Wash Buffer 1**
  - Flush contaminated skin with plenty of water.
  - Remove contaminated clothing and shoes.
  - Get medical attention if symptoms occur.

- **SureSelect QXT Fast Wash Buffer 2**
  - Flush contaminated skin with plenty of water.
  - Remove contaminated clothing and shoes.
  - Get medical attention if symptoms occur.

- **SureSelect QXT Stop Solution**
  - Flush contaminated skin with plenty of water.
  - Remove contaminated clothing and shoes.
  - Get medical attention if symptoms occur.
  - Wash clothing before reuse.
  - Clean shoes thoroughly before reuse.

**Ingestion**
- **SureSelect Binding Buffer**
  - 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 Wash Buffer 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 QXT Fast Wash Buffer 2**
  - 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 QXT Stop Solution**
  - Wash out mouth with water.
  - Remove dentures if any.
  - Remove victim to fresh air and keep at rest in a position comfortable for breathing.
  - If material has been swallowed and the exposed person is conscious, give small quantities of water to drink.
  - Stop if the exposed person feels sick as vomiting may be dangerous.
  - Do not induce vomiting unless directed to do so by medical personnel.
  - If vomiting occurs, the head should be kept low so that vomit does not enter the lungs.
  - Get medical attention.
  - If necessary, call a poison center or physician.
  - 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.
  - Maintain an open airway.

---
Section 4. First aid measures

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact:
- SureSelect Binding Buffer: No known significant effects or critical hazards.
- SureSelect Wash Buffer 1: No known significant effects or critical hazards.
- SureSelect QXT Fast Wash Buffer 2: No known significant effects or critical hazards.
- SureSelect QXT Stop Solution: No known significant effects or critical hazards.

Inhalation:
- SureSelect Binding Buffer: No known significant effects or critical hazards.
- SureSelect Wash Buffer 1: No known significant effects or critical hazards.
- SureSelect QXT Fast Wash Buffer 2: No known significant effects or critical hazards.
- SureSelect QXT Stop Solution: Harmful if inhaled.

Skin contact:
- SureSelect Binding Buffer: No known significant effects or critical hazards.
- SureSelect Wash Buffer 1: No known significant effects or critical hazards.
- SureSelect QXT Fast Wash Buffer 2: No known significant effects or critical hazards.
- SureSelect QXT Stop Solution: No known significant effects or critical hazards.

Ingestion:
- SureSelect Binding Buffer: No known significant effects or critical hazards.
- SureSelect Wash Buffer 1: No known significant effects or critical hazards.
- SureSelect QXT Fast Wash Buffer 2: No known significant effects or critical hazards.
- SureSelect QXT Stop Solution: Harmful if swallowed.

Over-exposure signs/symptoms

Eye contact:
- SureSelect Binding Buffer: No specific data.
- SureSelect Wash Buffer 1: No specific data.
- SureSelect QXT Fast Wash Buffer 2: No specific data.
- SureSelect QXT Stop Solution: No specific data.

Inhalation:
- SureSelect Binding Buffer: No specific data.
- SureSelect Wash Buffer 1: No specific data.
- SureSelect QXT Fast Wash Buffer 2: No specific data.
- SureSelect QXT Stop Solution: No specific data.

Skin contact:
- SureSelect Binding Buffer: No specific data.
- SureSelect Wash Buffer 1: No specific data.
- SureSelect QXT Fast Wash Buffer 2: No specific data.
- SureSelect QXT Stop Solution: No specific data.

Ingestion:
- SureSelect Binding Buffer: No specific data.
- SureSelect Wash Buffer 1: No specific data.
- SureSelect QXT Fast Wash Buffer 2: No specific data.
- SureSelect QXT Stop Solution: No specific data.

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

Notes to physician:
- SureSelect Binding Buffer: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- SureSelect Wash Buffer 1: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- SureSelect QXT Fast Wash: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Section 4. First aid measures

<table>
<thead>
<tr>
<th>Product</th>
<th>Protection of first-aiders</th>
<th>Specific treatments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Buffer 2</td>
<td>No action shall be taken involving any personal risk or without suitable training.</td>
<td>SureSelect Binding Buffer No specific treatment.</td>
</tr>
<tr>
<td>SureSelect QXT Stop Solution</td>
<td>No action shall be taken involving any personal risk or without suitable training.</td>
<td>SureSelect Wash Buffer 1 No specific treatment.</td>
</tr>
<tr>
<td>SureSelect QXT Stop Solution</td>
<td>No action shall be taken involving any personal risk or without suitable training.</td>
<td>SureSelect QXT Fast Wash Buffer 2 No specific treatment.</td>
</tr>
<tr>
<td>SureSelect QXT Stop Solution</td>
<td>No action shall be taken involving any personal risk or without suitable training.</td>
<td>SureSelect QXT Stop Solution No specific treatment.</td>
</tr>
</tbody>
</table>

Protection of first-aiders:
- No action shall be taken involving any personal risk or without suitable training.

Specific treatments:
- SureSelect Binding Buffer: No specific treatment.
- SureSelect Wash Buffer 1: No specific treatment.
- SureSelect QXT Fast Wash Buffer 2: No specific treatment.
- SureSelect QXT Stop Solution: No specific treatment.

See toxicological information (Section 11)

Section 5. Firefighting measures

Extinguishing media

<table>
<thead>
<tr>
<th>Product</th>
<th>Extinguishing media</th>
</tr>
</thead>
<tbody>
<tr>
<td>Suitable extinguishing media</td>
<td>Use an extinguishing agent suitable for the surrounding fire.</td>
</tr>
<tr>
<td>SureSelect Binding Buffer</td>
<td>Use an extinguishing agent suitable for the surrounding fire.</td>
</tr>
<tr>
<td>SureSelect Wash Buffer 1</td>
<td>Use an extinguishing agent suitable for the surrounding fire.</td>
</tr>
<tr>
<td>SureSelect QXT Fast Wash Buffer 2</td>
<td>Use an extinguishing agent suitable for the surrounding fire.</td>
</tr>
<tr>
<td>SureSelect QXT Stop Solution</td>
<td>Use an extinguishing agent suitable for the surrounding fire.</td>
</tr>
</tbody>
</table>

Unsuitable extinguishing media:
- SureSelect Binding Buffer: None known.
- SureSelect Wash Buffer 1: None known.
- SureSelect QXT Fast Wash Buffer 2: None known.
- SureSelect QXT Stop Solution: None known.

Specific hazards arising from the chemical:
- SureSelect Binding Buffer: In a fire or if heated, a pressure increase will occur and the container may burst.
- SureSelect Wash Buffer 1: In a fire or if heated, a pressure increase will occur and the container may burst.
- SureSelect QXT Fast Wash Buffer 2: In a fire or if heated, a pressure increase will occur and the container may burst.
- SureSelect QXT Stop Solution: In a fire or if heated, a pressure increase will occur and the container may burst. This material is harmful to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
### Section 5. Firefighting measures

<table>
<thead>
<tr>
<th>Hazardous thermal decomposition products</th>
<th>SureSelect Binding Buffer</th>
<th>Decomposition products may include the following materials: halogenated compounds metal oxide/oxides</th>
</tr>
</thead>
<tbody>
<tr>
<td>SureSelect Wash Buffer 1</td>
<td>No specific data.</td>
<td>No specific data.</td>
</tr>
<tr>
<td>SureSelect QXT Fast Wash Buffer 2</td>
<td>No specific data.</td>
<td>No specific data.</td>
</tr>
<tr>
<td>SureSelect QXT Stop Solution</td>
<td></td>
<td>Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides sulfur oxides halogenated compounds</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Special protective actions for fire-fighters</th>
<th>SureSelect Binding Buffer</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 Wash Buffer 1</td>
<td></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>
<tr>
<td>SureSelect QXT Fast Wash Buffer 2</td>
<td></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>
<tr>
<td>SureSelect QXT Stop Solution</td>
<td></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>

<table>
<thead>
<tr>
<th>Special protective equipment for fire-fighters</th>
<th>SureSelect Binding Buffer</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.</th>
</tr>
</thead>
<tbody>
<tr>
<td>SureSelect Wash Buffer 1</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.</td>
<td></td>
</tr>
<tr>
<td>SureSelect QXT Fast Wash Buffer 2</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.</td>
<td></td>
</tr>
<tr>
<td>SureSelect QXT Stop Solution</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.</td>
<td></td>
</tr>
</tbody>
</table>

### Section 6. Accidental release measures

<table>
<thead>
<tr>
<th>Personal precautions, protective equipment and emergency procedures</th>
<th>SureSelect Binding Buffer</th>
<th>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.</th>
</tr>
</thead>
<tbody>
<tr>
<td>For non-emergency personnel</td>
<td>SureSelect Wash Buffer 1</td>
<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 spilt material. Put on appropriate personal protective equipment.</td>
</tr>
</tbody>
</table>
Section 6. Accidental release measures

SureSelect QXT Fast Wash Buffer 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 QXT Stop Solution
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.

For emergency responders:

SureSelect Binding Buffer
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 Wash Buffer 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 QXT Fast Wash Buffer 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 QXT Stop Solution
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".

Environmental precautions:

SureSelect Binding Buffer
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 Wash Buffer 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 QXT Fast Wash Buffer 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 QXT Stop Solution
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). Water polluting material. May be harmful to the environment if released in large quantities.

Methods and material for containment and cleaning up

Methods for cleaning up:

SureSelect Binding Buffer
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 Wash Buffer 1
Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble.
### Section 6. Accidental release measures

<table>
<thead>
<tr>
<th>Product</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>SureSelect QXT Fast Wash Buffer 2</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 QXT Stop Solution</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>

### Section 7. Handling and storage

**Precautions for safe handling**

<table>
<thead>
<tr>
<th>Product</th>
<th>Precaution</th>
</tr>
</thead>
<tbody>
<tr>
<td>SureSelect Binding Buffer</td>
<td>Put on appropriate personal protective equipment (see Section 8).</td>
</tr>
<tr>
<td>SureSelect Wash Buffer 1</td>
<td>Put on appropriate personal protective equipment (see Section 8).</td>
</tr>
<tr>
<td>SureSelect QXT Fast Wash Buffer 2</td>
<td>Put on appropriate personal protective equipment (see Section 8).</td>
</tr>
<tr>
<td>SureSelect QXT Stop Solution</td>
<td>Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapour or mist. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. 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.</td>
</tr>
</tbody>
</table>

**Advice on general occupational hygiene**

<table>
<thead>
<tr>
<th>Product</th>
<th>Advice</th>
</tr>
</thead>
<tbody>
<tr>
<td>SureSelect Binding Buffer</td>
<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>
</tr>
<tr>
<td>SureSelect Wash Buffer 1</td>
<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>
</tr>
<tr>
<td>SureSelect QXT Fast Wash Buffer 2</td>
<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>
</tr>
<tr>
<td>SureSelect QXT Stop Solution</td>
<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>
</tr>
</tbody>
</table>
Section 7. Handling and storage

Conditions for safe storage, including any incompatibilities

- **SureSelect Binding Buffer**: 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 Wash Buffer 1**: Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

- **SureSelect QXT Fast Wash Buffer 2**: 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 QXT Stop Solution**: 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.

Section 8. Exposure controls and personal protection

Control parameters

**Occupational exposure limits**

None.

Appropriate engineering controls

- Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Environmental exposure controls

- Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.
Section 8. Exposure controls and personal protection

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

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

Skin protection

Hand protection: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

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

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

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

Section 9. Physical and chemical properties

Appearance

Physical state: SureSelect Binding Buffer Liquid.
SureSelect Wash Buffer 1 Liquid.
SureSelect QXT Fast Wash Buffer 2 Liquid.
SureSelect QXT Stop Solution Liquid.

Colour: SureSelect Binding Buffer Not available.
SureSelect Wash Buffer 1 Not available.
SureSelect QXT Fast Wash Buffer 2 Not available.
SureSelect QXT Stop Solution Not available.

Odour: SureSelect Binding Buffer Not available.
SureSelect Wash Buffer 1 Not available.
SureSelect QXT Fast Wash Buffer 2 Not available.
SureSelect QXT Stop Solution Not available.

Odour threshold: SureSelect Binding Buffer Not available.
SureSelect Wash Buffer 1 Not available.
SureSelect QXT Fast Wash Buffer 2 Not available.
SureSelect QXT Stop Solution Not available.

pH: 

# Section 9. Physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>SureSelect Binding Buffer</th>
<th>SureSelect Wash Buffer 1</th>
<th>SureSelect QXT Fast Wash Buffer 2</th>
<th>SureSelect QXT Stop Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Melting point</td>
<td>Not available.</td>
<td>0°C (32°F)</td>
<td>0°C (32°F)</td>
<td>Not available.</td>
</tr>
<tr>
<td>Boiling point</td>
<td>Not available.</td>
<td>100°C (212°F)</td>
<td>100°C (212°F)</td>
<td>Not available.</td>
</tr>
<tr>
<td>Flash point</td>
<td>Not available.</td>
<td>Not applicable.</td>
<td>Not applicable.</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not applicable.</td>
<td>Not applicable.</td>
<td>Not applicable.</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Lower and upper explosive (flammable) limits</td>
<td>Not available.</td>
<td>Not available.</td>
<td>Not available.</td>
<td>Not available.</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>Not available.</td>
<td>Not available.</td>
<td>Not available.</td>
<td>Not available.</td>
</tr>
</tbody>
</table>
## Section 9. Physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>SureSelect Binding Buffer</th>
<th>SureSelect Wash Buffer 1</th>
<th>SureSelect QXT Fast Wash Buffer 2</th>
<th>SureSelect QXT Stop Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Solubility</strong></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>Soluble in the following materials: cold water and hot water.</td>
</tr>
<tr>
<td><strong>Auto-ignition temperature</strong></td>
<td>Not available.</td>
<td>Not available.</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>
<td>Not available.</td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>Viscosity</strong></td>
<td>Not available.</td>
<td>Not available.</td>
<td>Not available.</td>
<td>Not available.</td>
</tr>
</tbody>
</table>

## Section 10. Stability and reactivity

<table>
<thead>
<tr>
<th>Property</th>
<th>SureSelect Binding Buffer</th>
<th>SureSelect Wash Buffer 1</th>
<th>SureSelect QXT Fast Wash Buffer 2</th>
<th>SureSelect QXT Stop Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Reactivity</strong></td>
<td>No specific test data related to reactivity available for this product or its ingredients.</td>
<td>No specific test data related to reactivity available for this product or its ingredients.</td>
<td>No specific test data related to reactivity available for this product or its ingredients.</td>
<td>No specific test data related to reactivity available for this product or its ingredients.</td>
</tr>
<tr>
<td><strong>Chemical stability</strong></td>
<td>The product is stable.</td>
<td>The product is stable.</td>
<td>The product is stable.</td>
<td>The product is stable.</td>
</tr>
<tr>
<td><strong>Possibility of hazardous reactions</strong></td>
<td>Under normal conditions of storage and use, hazardous reactions will not occur.</td>
<td>Under normal conditions of storage and use, hazardous reactions will not occur.</td>
<td>Under normal conditions of storage and use, hazardous reactions will not occur.</td>
<td>Under normal conditions of storage and use, hazardous reactions will not occur.</td>
</tr>
</tbody>
</table>

**Date of issue/Date of revision**: 18/04/2018  
**Date of previous issue**: 31/03/2016  
**Version**: 3
Section 10. Stability and reactivity

### Conditions to avoid
- **SureSelect Binding Buffer**
  - No specific data.
- **SureSelect Wash Buffer 1**
  - No specific data.
- **SureSelect QXT Fast Wash Buffer 2**
  - No specific data.
- **SureSelect QXT Stop Solution**
  - No specific data.

### Incompatible materials
- **SureSelect Binding Buffer**
  - May react or be incompatible with oxidising materials.
- **SureSelect Wash Buffer 1**
  - May react or be incompatible with oxidising materials.
- **SureSelect QXT Fast Wash Buffer 2**
  - May react or be incompatible with oxidising materials.
- **SureSelect QXT Stop Solution**
  - May react or be incompatible with oxidising materials.

### Hazardous decomposition products
- **SureSelect Binding Buffer**
  - Under normal conditions of storage and use, hazardous decomposition products should not be produced.
- **SureSelect Wash Buffer 1**
  - Under normal conditions of storage and use, hazardous decomposition products should not be produced.
- **SureSelect QXT Fast Wash Buffer 2**
  - Under normal conditions of storage and use, hazardous decomposition products should not be produced.
- **SureSelect QXT Stop Solution**
  - Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

**Information on toxicological effects**

- **Acute toxicity**
  - Not available.
- **Irritation/Corrosion**
  - Not available.
- **Sensitisation**
  - 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.
#### Section 11. Toxicological information

**Information on likely routes of exposure**

- **Inhalation**
  - SureSelect Binding Buffer: No known significant effects or critical hazards.
  - SureSelect Wash Buffer 1: No known significant effects or critical hazards.
  - SureSelect QXT Fast Wash Buffer 2: No known significant effects or critical hazards.
  - SureSelect QXT Stop Solution: Routes of entry anticipated: Oral, Dermal, Inhalation.

**Potential acute health effects**

- **Eye contact**
  - SureSelect Binding Buffer: No known significant effects or critical hazards.
  - SureSelect Wash Buffer 1: No known significant effects or critical hazards.
  - SureSelect QXT Fast Wash Buffer 2: No known significant effects or critical hazards.
  - SureSelect QXT Stop Solution: No known significant effects or critical hazards.

- **Inhalation**
  - SureSelect Binding Buffer: No known significant effects or critical hazards.
  - SureSelect Wash Buffer 1: No known significant effects or critical hazards.
  - SureSelect QXT Fast Wash Buffer 2: No known significant effects or critical hazards.
  - SureSelect QXT Stop Solution: Harmful if inhaled.

- **Skin contact**
  - SureSelect Binding Buffer: No known significant effects or critical hazards.
  - SureSelect Wash Buffer 1: No known significant effects or critical hazards.
  - SureSelect QXT Fast Wash Buffer 2: No known significant effects or critical hazards.
  - SureSelect QXT Stop Solution: No known significant effects or critical hazards.

- **Ingestion**
  - SureSelect Binding Buffer: No known significant effects or critical hazards.
  - SureSelect Wash Buffer 1: No known significant effects or critical hazards.
  - SureSelect QXT Fast Wash Buffer 2: No known significant effects or critical hazards.
  - SureSelect QXT Stop Solution: Harmful if swallowed.

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

- **Eye contact**
  - SureSelect Binding Buffer: No specific data.
  - SureSelect Wash Buffer 1: No specific data.
  - SureSelect QXT Fast Wash Buffer 2: No specific data.
  - SureSelect QXT Stop Solution: No specific data.

- **Inhalation**
  - SureSelect Binding Buffer: No specific data.
  - SureSelect Wash Buffer 1: No specific data.
  - SureSelect QXT Fast Wash Buffer 2: No specific data.
  - SureSelect QXT Stop Solution: No specific data.

- **Skin contact**
  - SureSelect Binding Buffer: No specific data.
  - SureSelect Wash Buffer 1: No specific data.
  - SureSelect QXT Fast Wash Buffer 2: No specific data.
  - SureSelect QXT Stop Solution: No specific data.

- **Ingestion**
  - SureSelect Binding Buffer: No specific data.
  - SureSelect Wash Buffer 1: No specific data.
  - SureSelect QXT Fast Wash Buffer 2: No specific data.
  - SureSelect QXT Stop Solution: No specific data.

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

**Short term exposure**
Section 11. Toxicological information

Potential immediate effects: Not available.
Potential delayed effects: Not available.

Long term exposure
Potential immediate effects: Not available.
Potential delayed effects: Not available.

Potential chronic health effects

General
- SureSelect Binding Buffer: No known significant effects or critical hazards.
- SureSelect Wash Buffer 1: No known significant effects or critical hazards.
- SureSelect QXT Fast Wash Buffer 2: No known significant effects or critical hazards.
- SureSelect QXT Stop Solution: No known significant effects or critical hazards.

Carcinogenicity
- SureSelect Binding Buffer: No known significant effects or critical hazards.
- SureSelect Wash Buffer 1: No known significant effects or critical hazards.
- SureSelect QXT Fast Wash Buffer 2: No known significant effects or critical hazards.
- SureSelect QXT Stop Solution: No known significant effects or critical hazards.

Mutagenicity
- SureSelect Binding Buffer: No known significant effects or critical hazards.
- SureSelect Wash Buffer 1: No known significant effects or critical hazards.
- SureSelect QXT Fast Wash Buffer 2: No known significant effects or critical hazards.
- SureSelect QXT Stop Solution: No known significant effects or critical hazards.

Teratogenicity
- SureSelect Binding Buffer: No known significant effects or critical hazards.
- SureSelect Wash Buffer 1: No known significant effects or critical hazards.
- SureSelect QXT Fast Wash Buffer 2: No known significant effects or critical hazards.
- SureSelect QXT Stop Solution: No known significant effects or critical hazards.

Developmental effects
- SureSelect Binding Buffer: No known significant effects or critical hazards.
- SureSelect Wash Buffer 1: No known significant effects or critical hazards.
- SureSelect QXT Fast Wash Buffer 2: No known significant effects or critical hazards.
- SureSelect QXT Stop Solution: No known significant effects or critical hazards.

Fertility effects
- SureSelect Binding Buffer: No known significant effects or critical hazards.
- SureSelect Wash Buffer 1: No known significant effects or critical hazards.
- SureSelect QXT Fast Wash Buffer 2: No known significant effects or critical hazards.
- SureSelect QXT Stop Solution: No known significant effects or critical hazards.

Potential immediate effects: Not available.
Potential delayed effects: Not available.

Numerical measures of toxicity

Acute toxicity estimates

<table>
<thead>
<tr>
<th>Route</th>
<th>ATE value</th>
</tr>
</thead>
<tbody>
<tr>
<td>SureSelect QXT Stop Solution</td>
<td></td>
</tr>
<tr>
<td>Oral</td>
<td>1063.8 mg/kg</td>
</tr>
<tr>
<td>Dermal</td>
<td>2340.4 mg/kg</td>
</tr>
<tr>
<td>Inhalation (dusts and mists)</td>
<td>3.191 mg/l</td>
</tr>
</tbody>
</table>

Date of issue/Date of revision: 18/04/2018
Date of previous issue: 31/03/2016
Version: 3
Section 12. Ecological information

**Toxicity**
Not available.

**Persistence and degradability**
Not available.

**Bioaccumulative potential**
Not available.

**Mobility in soil**
- Soil/water partition coefficient (K<sub>oc</sub>): Not available.

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

Section 13. Disposal considerations

**Disposal methods**: The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. 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

**ADG / IMDG / IATA**: Not regulated as Dangerous Goods according to the ADG Code.

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

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

Section 15. Regulatory information

**Standard Uniform Schedule of Medicine and Poisons**: Not regulated.

**Model Work Health and Safety Regulations - Scheduled Substances**: No listed substance

**International regulations**
- Stockholm Convention on Persistent Organic Pollutants

Date of issue/Date of revision: 18/04/2018  Date of previous issue: 31/03/2016  Version: 3
Section 15. Regulatory information

Not listed.

Rotterdam Convention on Prior Informed Consent (PIC)
Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals
Not listed.

Inventory list

- **Australia**: All components are listed or exempted.
- **Canada**: All components are listed or exempted.
- **China**: All components are listed or exempted.
- **Europe**: All components are listed or exempted.
- **Japan**: Japan inventory (ENCS): All components are listed or exempted.
  Japan inventory (ISHL): All components are listed or exempted.
- **Malaysia**: Not determined.
- **New Zealand**: All components are listed or exempted.
- **Philippines**: All components are listed or exempted.
- **Republic of Korea**: Not determined.
- **Taiwan**: All components are listed or exempted.
- **Thailand**: Not determined.
- **Turkey**: Not determined.
- **United States**: All components are listed or exempted.
- **Viet Nam**: Not determined.

Section 16. Any other relevant information

History

- **Date of issue/Date of revision**: 18/04/2018
- **Date of previous issue**: 31/03/2016
- **Version**: 3

Key to abbreviations

- **ADG** = Australian Dangerous Goods
- **ATE** = Acute Toxicity Estimate
- **BCF** = Bioconcentration Factor
- **GHS** = Globally Harmonized System of Classification and Labelling of Chemicals
- **IATA** = International Air Transport Association
- **IBC** = Intermediate Bulk Container
- **IMDG** = International Maritime Dangerous Goods
- **LogPow** = logarithm of the octanol/water partition coefficient
- **MARPOL** = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. (*"Marpol"* = marine pollution)
- **NOHSC** = National Occupational Health and Safety Commission
- **SUSMP** = Standard Uniform Schedule of Medicine and Poisons
- **UN** = United Nations

Procedure used to derive the classification

<table>
<thead>
<tr>
<th>Classification</th>
<th>Justification</th>
</tr>
</thead>
<tbody>
<tr>
<td>SureSelect QXT  Stop Solution</td>
<td></td>
</tr>
<tr>
<td>Acute Tox. 4, H302</td>
<td>Calculation method</td>
</tr>
<tr>
<td>Acute Tox. 4, H332</td>
<td>Calculation method</td>
</tr>
<tr>
<td>Aquatic Chronic 3, H412</td>
<td>Calculation method</td>
</tr>
</tbody>
</table>

References

- Not available.

Notice to reader

- Indicates information that has changed from previously issued version.
Section 16. Any other relevant information

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