**Section 1. Identification**

<table>
<thead>
<tr>
<th>Product identifier</th>
<th>SureSelect XT Fast Target Enrichment Kit ILM Hyb Module Box 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Part No. (Chemical Kit)</td>
<td>5190-8837, 5190-8840</td>
</tr>
</tbody>
</table>
| Part No. | SureSelect Binding Buffer 5190-4399 / 5190-4407  
SureSelect Wash Buffer 1 5190-4400 / 5190-4408  
SureSelect Wash Buffer 2 5190-4401 / 5190-4409 |

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

| Analytical reagent. | SureSelect Binding Buffer 13.2 ml - 80 ml  
SureSelect Wash Buffer 1 8 ml - 48 ml  
SureSelect Wash Buffer 2 24 ml - 144 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)-29037994 |

---

**Section 2. Hazard(s) identification**

**Classification of the substance or mixture**

<table>
<thead>
<tr>
<th>SureSelect Binding Buffer</th>
<th>Not classified.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Percentage of the mixture consisting of ingredient(s) of unknown inhalation toxicity: 1 - 10%</td>
<td></td>
</tr>
</tbody>
</table>

**GHS label elements**

| Signal word | SureSelect Binding Buffer No signal word.  
SureSelect Wash Buffer 1 No signal word.  
SureSelect Wash Buffer 2 No signal word. |
|-------------|------------------------------------------|
| Hazard statements | SureSelect Binding Buffer No known significant effects or critical hazards.  
SureSelect Wash Buffer 1 No known significant effects or critical hazards.  
SureSelect Wash Buffer 2 No known significant effects or critical hazards. |

**Precautionary statements**

| Prevention | SureSelect Binding Buffer Not applicable.  
SureSelect Wash Buffer 1 Not applicable.  
SureSelect Wash Buffer 2 Not applicable. |
|-------------|------------------------------------------|
| Response | SureSelect Binding Buffer Not applicable.  
SureSelect Wash Buffer 1 Not applicable.  
SureSelect Wash Buffer 2 Not applicable. |
| Storage | SureSelect Binding Buffer Not applicable.  
SureSelect Wash Buffer 1 Not applicable.  
SureSelect Wash Buffer 2 Not applicable. |
| Disposal | SureSelect Binding Buffer Not applicable.  
SureSelect Wash Buffer 1 Not applicable.  
SureSelect Wash Buffer 2 Not applicable. |

**Supplemental label elements**

---

**Date of issue/Date of revision**: 24/09/2017  
**Date of previous issue**: 05/05/2015  
**Version**: 2  
**1/13**
Section 2. Hazard(s) identification

Additional warning phrases:
- SureSelect Binding Buffer: Not applicable.
- SureSelect Wash Buffer 1: Not applicable.
- SureSelect Wash Buffer 2: Not applicable.

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.

Section 3. Composition and ingredient information

Substance/mixture:
- SureSelect Binding Buffer: Mixture
- SureSelect Wash Buffer 1: Mixture
- SureSelect Wash Buffer 2: Mixture

CAS number/other identifiers

There are no 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

Description of necessary first aid measures

Eye contact:
- SureSelect Binding Buffer: 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 Wash Buffer 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 Wash Buffer 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.

Inhalation:
- SureSelect Binding Buffer: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
- SureSelect Wash Buffer 1: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
- SureSelect Wash Buffer 2: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

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 Wash Buffer 2: Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

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.
Section 4. First aid measures

SureSelect XT Fast Target Enrichment Kit ILM Hyb Module Box 1

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 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.

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 Wash Buffer 2

Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Over-exposure signs/symptoms

\[\text{Eye contact} \quad \text{SureSelect Binding Buffer} \quad \text{SureSelect Wash Buffer 1} \quad \text{SureSelect Wash Buffer 2} \]

No specific data.

\[\text{Inhalation} \quad \text{SureSelect Binding Buffer} \quad \text{SureSelect Wash Buffer 1} \quad \text{SureSelect Wash Buffer 2} \]

No specific data.

\[\text{Skin contact} \quad \text{SureSelect Binding Buffer} \quad \text{SureSelect Wash Buffer 1} \quad \text{SureSelect Wash Buffer 2} \]

No specific data.

\[\text{Ingestion} \quad \text{SureSelect Binding Buffer} \quad \text{SureSelect Wash Buffer 1} \quad \text{SureSelect Wash Buffer 2} \]

No specific data.

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

\[\text{Notes to physician} \quad \text{SureSelect Binding Buffer} \quad \text{SureSelect Wash Buffer 1} \quad \text{SureSelect Wash Buffer 2} \]

Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Specific treatments

\[\text{SureSelect Binding Buffer} \quad \text{SureSelect Wash Buffer 1} \quad \text{SureSelect Wash Buffer 2} \]

No specific treatment.
**Section 4. First aid measures**

<table>
<thead>
<tr>
<th>Protection of first-aiders</th>
<th>SureSelect Binding Buffer</th>
<th>No action shall be taken involving any personal risk or without suitable training.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>SureSelect Wash Buffer 1</td>
<td>No action shall be taken involving any personal risk or without suitable training.</td>
</tr>
<tr>
<td></td>
<td>SureSelect Wash Buffer 2</td>
<td>No action shall be taken involving any personal risk or without suitable training.</td>
</tr>
</tbody>
</table>

See toxicological information (Section 11)

**Section 5. Firefighting measures**

**Extinguishing media**

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

<table>
<thead>
<tr>
<th>Unsuitable extinguishing media</th>
<th>SureSelect Binding Buffer</th>
<th>None known.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>SureSelect Wash Buffer 1</td>
<td>None known.</td>
</tr>
<tr>
<td></td>
<td>SureSelect Wash Buffer 2</td>
<td>None known.</td>
</tr>
</tbody>
</table>

**Specific hazards arising from the chemical**

<table>
<thead>
<tr>
<th>SureSelect Binding Buffer</th>
<th>In a fire or if heated, a pressure increase will occur and the container may burst.</th>
</tr>
</thead>
<tbody>
<tr>
<td>SureSelect Wash Buffer 1</td>
<td>In a fire or if heated, a pressure increase will occur and the container may burst.</td>
</tr>
<tr>
<td>SureSelect Wash Buffer 2</td>
<td>In a fire or if heated, a pressure increase will occur and the container may burst.</td>
</tr>
</tbody>
</table>

**Hazardous thermal decomposition products**

<table>
<thead>
<tr>
<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>
</tr>
<tr>
<td>SureSelect Wash Buffer 2</td>
<td>No specific data.</td>
</tr>
</tbody>
</table>

**Special protective actions for fire-fighters**

<table>
<thead>
<tr>
<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>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 Wash Buffer 2</td>
<td>Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.</td>
</tr>
</tbody>
</table>

**Special protective equipment for fire-fighters**

<table>
<thead>
<tr>
<th>SureSelect 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>
</tr>
<tr>
<td>SureSelect 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>
</tr>
</tbody>
</table>
# Section 6. Accidental release measures

## Personal precautions, protective equipment and emergency procedures

### For non-emergency personnel:
- **SureSelect Binding Buffer**: 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 Wash Buffer 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 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.

### 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 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".

### 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 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).

### 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. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
Section 6. Accidental release measures

SureSelect Wash Buffer 2  Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Section 7. Handling and storage

Precautions for safe handling

Protective measures
- SureSelect Binding Buffer: Put on appropriate personal protective equipment (see Section 8).
- SureSelect Wash Buffer 1: Put on appropriate personal protective equipment (see Section 8).
- SureSelect Wash Buffer 2: Put on appropriate personal protective equipment (see Section 8).

Advice on general occupational hygiene
- SureSelect Binding Buffer: 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 Wash Buffer 1: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
- SureSelect Wash Buffer 2: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

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 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.
Section 7. Handling and storage

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

Environmental exposure controls

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

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

Individual protection measures

Hygiene measures

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

Eye/face protection

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

Skin protection

Hand protection

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

Body protection

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

Other skin protection

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

Respiratory protection

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

Section 9. Physical and chemical properties

Appearance

Physical state

SureSelect Binding Buffer Liquid.
SureSelect Wash Buffer 1 Liquid.
SureSelect Wash Buffer 2 Liquid.

Colour

SureSelect Binding Buffer Not available.
SureSelect Wash Buffer 1 Not available.
SureSelect Wash Buffer 2 Not available.
### 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 Wash Buffer 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Odour</td>
<td>Not available</td>
<td>Not available</td>
<td>Not available</td>
</tr>
<tr>
<td>Odour threshold</td>
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<td>Not available</td>
</tr>
<tr>
<td>pH</td>
<td>7.5</td>
<td>7</td>
<td>7</td>
</tr>
<tr>
<td>Melting point</td>
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<td>0°C (32°F)</td>
<td>0°C (32°F)</td>
</tr>
<tr>
<td>Boiling point</td>
<td>Not available</td>
<td>100°C (212°F)</td>
<td>100°C (212°F)</td>
</tr>
<tr>
<td>Flash point</td>
<td>Not available</td>
<td>Not available</td>
<td>Not available</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>Not available</td>
<td>Not available</td>
<td>Not available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Lower and upper explosive</td>
<td>Not available</td>
<td>Not available</td>
<td>Not available</td>
</tr>
<tr>
<td>(flammable) limits</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>Not available</td>
<td>Not available</td>
<td>Not available</td>
</tr>
<tr>
<td>Vapour density</td>
<td>Not available</td>
<td>Not available</td>
<td>Not available</td>
</tr>
<tr>
<td>Relative density</td>
<td>Not available</td>
<td>Not available</td>
<td>Not available</td>
</tr>
<tr>
<td>Solubility</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>
<tr>
<td>Auto-ignition temperature</td>
<td>Not available</td>
<td>Not available</td>
<td>Not available</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>Not available</td>
<td>Not available</td>
<td>Not available</td>
</tr>
<tr>
<td>Viscosity</td>
<td>Not available</td>
<td>Not available</td>
<td>Not available</td>
</tr>
</tbody>
</table>

**Date of issue/Date of revision**: 24/09/2017  
**Date of previous issue**: 05/05/2015  
**Version**: 2
Section 10. Stability and reactivity

Reactivity:
- SureSelect Binding Buffer: No specific test data related to reactivity available for this product or its ingredients.
- SureSelect Wash Buffer 1: No specific test data related to reactivity available for this product or its ingredients.
- SureSelect Wash Buffer 2: No specific test data related to reactivity available for this product or its ingredients.

Chemical stability:
- SureSelect Binding Buffer: The product is stable.
- SureSelect Wash Buffer 1: The product is stable.
- SureSelect Wash Buffer 2: The product is stable.

Possibility of hazardous reactions:
- SureSelect Binding Buffer: Under normal conditions of storage and use, hazardous reactions will not occur.
- SureSelect Wash Buffer 1: Under normal conditions of storage and use, hazardous reactions will not occur.
- SureSelect Wash Buffer 2: Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid:
- SureSelect Binding Buffer: No specific data.
- SureSelect Wash Buffer 1: No specific data.
- SureSelect Wash Buffer 2: 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 Wash Buffer 2: 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 Wash Buffer 2: 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
Not available.

Carcinogenicity
Not available.

Reproductive toxicity
Not available.

Teratogenicity
Not available.
# Section 11. Toxicological information

**Specific target organ toxicity (single exposure)**
Not available.

**Specific target organ toxicity (repeated exposure)**
Not available.

**Aspiration hazard**
Not available.

<table>
<thead>
<tr>
<th>Information on likely routes of exposure</th>
<th>SureSelect Binding Buffer</th>
<th>SureSelect Wash Buffer 1</th>
<th>SureSelect Wash Buffer 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inhalation</td>
<td>No known significant effects or critical hazards.</td>
<td>No known significant effects or critical hazards.</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>Skin contact</td>
<td>No known significant effects or critical hazards.</td>
<td>No known significant effects or critical hazards.</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>Ingestion</td>
<td>No known significant effects or critical hazards.</td>
<td>No known significant effects or critical hazards.</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>Eye contact</td>
<td>No specific data.</td>
<td>No specific data.</td>
<td>No specific data.</td>
</tr>
<tr>
<td>Inhalation</td>
<td>No specific data.</td>
<td>No specific data.</td>
<td>No specific data.</td>
</tr>
<tr>
<td>Skin contact</td>
<td>No specific data.</td>
<td>No specific data.</td>
<td>No specific data.</td>
</tr>
<tr>
<td>Ingestion</td>
<td>No specific data.</td>
<td>No specific data.</td>
<td>No specific data.</td>
</tr>
</tbody>
</table>

**Potential acute health effects**

**Potential chronic health effects**
Not available.

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

<table>
<thead>
<tr>
<th>Eye contact</th>
<th>SureSelect Binding Buffer</th>
<th>SureSelect Wash Buffer 1</th>
<th>SureSelect Wash Buffer 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inhalation</td>
<td>No specific data.</td>
<td>No specific data.</td>
<td>No specific data.</td>
</tr>
<tr>
<td>Skin contact</td>
<td>No specific data.</td>
<td>No specific data.</td>
<td>No specific data.</td>
</tr>
<tr>
<td>Ingestion</td>
<td>No specific data.</td>
<td>No specific data.</td>
<td>No specific data.</td>
</tr>
</tbody>
</table>

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

**Short term exposure**

| 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**
Not available.

<table>
<thead>
<tr>
<th>General</th>
<th>SureSelect Binding Buffer</th>
<th>SureSelect Wash Buffer 1</th>
<th>SureSelect Wash Buffer 2</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>No known significant effects or critical hazards.</td>
<td>No known significant effects or critical hazards.</td>
<td>No known significant effects or critical hazards.</td>
</tr>
</tbody>
</table>
Section 11. Toxicological information

Carcinogenicity: SureSelect Binding Buffer No known significant effects or critical hazards. SureSelect Wash Buffer 1 No known significant effects or critical hazards. SureSelect Wash Buffer 2 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 Wash Buffer 2 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 Wash Buffer 2 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 Wash Buffer 2 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 Wash Buffer 2 No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates
Not available.

Section 12. Ecological information

Toxicity
Not available.

Persistence and degradability
Not available.

Bioaccumulative potential
Not available.

Mobility in soil

Soil/water partition coefficient (KOC): 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. 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**

**Chemical Weapon Convention List Schedules I, II & III Chemicals**

Not listed.

**Montreal Protocol (Annexes A, B, C, E)**

Not listed.

**Stockholm Convention on Persistent Organic Pollutants**

Not listed.

**Rotterdam Convention on Prior Informed Consent (PIC)**

Not listed.

**UNECE Aarhus Protocol on POPs and Heavy Metals**

Not listed.

**Inventory list**

**Australia**: 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**: All components are listed or exempted.

**New Zealand**: All components are listed or exempted.

**Philippines**: All components are listed or exempted.

**Republic of Korea**: All components are listed or exempted.

**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.

Date of issue/Date of revision: 24/09/2017

Date of previous issue: 05/05/2015.

Version: 2
Section 16. Any other relevant information

**History**

| Date of issue/Date of revision | 24/09/2017 |
| Date of previous issue | 05/05/2015. |
| Version | 2 |

**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 |
| NOHSC = National Occupational Health and Safety Commission |
| SUSMP = Standard Uniform Schedule of Medicine and Poisons |
| UN = United Nations |

**Procedure used to derive the classification**

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<th>Classification</th>
<th>Justification</th>
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**References**

Not available.

∧ Indicates information that has changed from previously issued version.

**Notice to reader**

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