Section 1. Identification

Product identifier : SureSelect XT2 Hybridization Binding and Wash Buffer, Part Number 5190-7350
Part no. (chemical kit) : 5190-7350
Part no. : SureSelect XT2 Binding Buffer 5190-4088
SureSelect XT2 Wash 1 5190-4089
SureSelect XT2 Wash 2 5190-4090

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

Material uses : Analytical reagent.
SureSelect XT2 Binding Buffer 2 x 9.6 ml
SureSelect XT2 Wash 1 2 x 2.4 ml
SureSelect XT2 Wash 2 3 x 14.4 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
Not classified.

GHS label elements

Signal word : SureSelect XT2 Binding Buffer
SureSelect XT2 Wash 1
SureSelect XT2 Wash 2
No signal word.

Hazard statements : SureSelect XT2 Binding Buffer
SureSelect XT2 Wash 1
SureSelect XT2 Wash 2
No known significant effects or critical hazards.

Precautionary statements

Prevention : SureSelect XT2 Binding Buffer
SureSelect XT2 Wash 1
SureSelect XT2 Wash 2
Not applicable.

Response : SureSelect XT2 Binding Buffer
SureSelect XT2 Wash 1
SureSelect XT2 Wash 2
Not applicable.

Storage : SureSelect XT2 Binding Buffer
SureSelect XT2 Wash 1
SureSelect XT2 Wash 2
Not applicable.
Section 2. Hazard(s) identification

<table>
<thead>
<tr>
<th>Disposal</th>
<th>SureSelect XT2 Binding Buffer</th>
<th>Not applicable.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>SureSelect XT2 Wash 1</td>
<td>Not applicable.</td>
</tr>
<tr>
<td></td>
<td>SureSelect XT2 Wash 2</td>
<td>Not applicable.</td>
</tr>
</tbody>
</table>

| Supplemental label elements     |                              |                  |
| Additional warning phrases      | SureSelect XT2 Binding Buffer | Not applicable.  |
|                                | SureSelect XT2 Wash 1         | Not applicable.  |
|                                | SureSelect XT2 Wash 2         | Not applicable.  |

| Other hazards which do not result in classification | SureSelect XT2 Binding Buffer | None known. |
|                                                    | SureSelect XT2 Wash 1         | None known. |
|                                                    | SureSelect XT2 Wash 2         | None known. |

Section 3. Composition and ingredient information

| Substance/mixture | SureSelect XT2 Binding Buffer | Mixture |
|                  | SureSelect XT2 Wash 1         | Mixture |
|                  | SureSelect XT2 Wash 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 XT2 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 XT2 Wash 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 XT2 Wash 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 XT2 Binding Buffer | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. |
| SureSelect XT2 Wash 1         | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. |
| SureSelect XT2 Wash 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 XT2 Binding Buffer | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. |
| SureSelect XT2 Wash 1         | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. |
| SureSelect XT2 Wash 2         | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. |
Section 4. First aid measures

Ingestion: Wash out mouth with water. 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 XT2 Binding Buffer
SureSelect XT2 Wash 1
SureSelect XT2 Wash 2

SureSelect XT2 Wash 1
SureSelect XT2 Wash 2

SureSelect XT2 Wash 2

Most important symptoms/effects, acute and delayed

Potential acute health effects:

Eye contact:
SureSelect XT2 Binding Buffer
No known significant effects or critical hazards.

SureSelect XT2 Wash 1
No known significant effects or critical hazards.

SureSelect XT2 Wash 2
No known significant effects or critical hazards.

Inhalation:
SureSelect XT2 Binding Buffer
No known significant effects or critical hazards.

SureSelect XT2 Wash 1
No known significant effects or critical hazards.

SureSelect XT2 Wash 2
No known significant effects or critical hazards.

Skin contact:
SureSelect XT2 Binding Buffer
No known significant effects or critical hazards.

SureSelect XT2 Wash 1
No known significant effects or critical hazards.

SureSelect XT2 Wash 2
No known significant effects or critical hazards.

Over-exposure signs/symptoms:

Eye contact:
SureSelect XT2 Binding Buffer
No specific data.

SureSelect XT2 Wash 1
No specific data.

SureSelect XT2 Wash 2
No specific data.

Inhalation:
SureSelect XT2 Binding Buffer
No specific data.

SureSelect XT2 Wash 1
No specific data.

SureSelect XT2 Wash 2
No specific data.

Skin contact:
SureSelect XT2 Binding Buffer
No specific data.

SureSelect XT2 Wash 1
No specific data.

SureSelect XT2 Wash 2
No specific data.

Ingestion:
SureSelect XT2 Binding Buffer
No specific data.

SureSelect XT2 Wash 1
No specific data.

SureSelect XT2 Wash 2
No specific data.

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

Date of issue/Date of revision: 30/09/2021
Date of previous issue: 23/05/2019
Version: 3
Section 4. First aid measures

Notes to physician:

SureSelect XT2 Binding Buffer: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
SureSelect XT2 Wash 1: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
SureSelect XT2 Wash 2: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Protection of first-aiders:

SureSelect XT2 Binding Buffer: No action shall be taken involving any personal risk or without suitable training.
SureSelect XT2 Wash 1: No action shall be taken involving any personal risk or without suitable training.
SureSelect XT2 Wash 2: No action shall be taken involving any personal risk or without suitable training.

Specific treatments:

SureSelect XT2 Binding Buffer: No specific treatment.
SureSelect XT2 Wash 1: No specific treatment.
SureSelect XT2 Wash 2: No specific treatment.

See toxicological information (Section 11)

Section 5. Firefighting measures

Extinguishing media:

Suitable extinguishing media:

SureSelect XT2 Binding Buffer: Use an extinguishing agent suitable for the surrounding fire.
SureSelect XT2 Wash 1: Use an extinguishing agent suitable for the surrounding fire.
SureSelect XT2 Wash 2: Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing media:

SureSelect XT2 Binding Buffer: None known.
SureSelect XT2 Wash 1: None known.
SureSelect XT2 Wash 2: None known.

Specific hazards arising from the chemical:

SureSelect XT2 Binding Buffer: In a fire or if heated, a pressure increase will occur and the container may burst.
SureSelect XT2 Wash 1: In a fire or if heated, a pressure increase will occur and the container may burst.
SureSelect XT2 Wash 2: In a fire or if heated, a pressure increase will occur and the container may burst.

Hazardous thermal decomposition products:

SureSelect XT2 Binding Buffer: Decomposition products may include the following materials: halogenated compounds, metal oxide/oxides.
SureSelect XT2 Wash 1: No specific data.
SureSelect XT2 Wash 2: No specific data.

Special protective actions for fire-fighters:

SureSelect XT2 Binding Buffer: 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 XT2 Wash 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 XT2 Wash 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.
### Section 5. Firefighting measures

<table>
<thead>
<tr>
<th>Special protective equipment for fire-fighters</th>
<th>SureSelect XT2 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 XT2 Wash 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 XT2 Wash 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>
</tbody>
</table>

### Section 6. Accidental release measures

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

**For non-emergency personnel**

<table>
<thead>
<tr>
<th>SureSelect XT2 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>SureSelect XT2 Wash 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>
<tr>
<td>SureSelect XT2 Wash 2</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>

**For emergency responders**

<table>
<thead>
<tr>
<th>SureSelect XT2 Binding Buffer</th>
<th>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;.</th>
</tr>
</thead>
<tbody>
<tr>
<td>SureSelect XT2 Wash 1</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>
<tr>
<td>SureSelect XT2 Wash 2</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>

**Environmental precautions**

<table>
<thead>
<tr>
<th>SureSelect XT2 Binding Buffer</th>
<th>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).</th>
</tr>
</thead>
<tbody>
<tr>
<td>SureSelect XT2 Wash 1</td>
<td>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).</td>
</tr>
<tr>
<td>SureSelect XT2 Wash 2</td>
<td>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).</td>
</tr>
</tbody>
</table>
Section 6. Accidental release measures

Methods and material for containment and cleaning up

Methods for cleaning up:
- **SureSelect XT2 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 XT2 Wash 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.

- **SureSelect XT2 Wash 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 XT2 Binding Buffer**: Put on appropriate personal protective equipment (see Section 8).
- **SureSelect XT2 Wash 1**: Put on appropriate personal protective equipment (see Section 8).
- **SureSelect XT2 Wash 2**: Put on appropriate personal protective equipment (see Section 8).

**Advice on general occupational hygiene**:
- **SureSelect XT2 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 XT2 Wash 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 XT2 Wash 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 XT2 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
Section 7. Handling and storage

SureSelect XT2 Wash 1
- incompatible materials before handling or use.
- 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 XT2 Wash 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 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.

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.
Section 8. Exposure controls and personal protection

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 and safety characteristics

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

Appearance

<table>
<thead>
<tr>
<th>Physical state</th>
<th>SureSelect XT2 Binding Buffer</th>
<th>Liquid.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>SureSelect XT2 Wash 1</td>
<td>Liquid.</td>
</tr>
<tr>
<td></td>
<td>SureSelect XT2 Wash 2</td>
<td>Liquid.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Colour</th>
<th>SureSelect XT2 Binding Buffer</th>
<th>Not available.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>SureSelect XT2 Wash 1</td>
<td>Not available.</td>
</tr>
<tr>
<td></td>
<td>SureSelect XT2 Wash 2</td>
<td>Not available.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Odour threshold</th>
<th>SureSelect XT2 Binding Buffer</th>
<th>Not available.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>SureSelect XT2 Wash 1</td>
<td>Not available.</td>
</tr>
<tr>
<td></td>
<td>SureSelect XT2 Wash 2</td>
<td>Not available.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>pH</th>
<th>SureSelect XT2 Binding Buffer</th>
<th>7.5</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>SureSelect XT2 Wash 1</td>
<td>7</td>
</tr>
<tr>
<td></td>
<td>SureSelect XT2 Wash 2</td>
<td>7</td>
</tr>
</tbody>
</table>

Melting point/freezing point

<table>
<thead>
<tr>
<th>SureSelect XT2 Binding Buffer</th>
<th>Not available.</th>
</tr>
</thead>
<tbody>
<tr>
<td>SureSelect XT2 Wash 1</td>
<td>0°C (32°F)</td>
</tr>
<tr>
<td>SureSelect XT2 Wash 2</td>
<td>0°C (32°F)</td>
</tr>
</tbody>
</table>

Boiling point, initial boiling point, and boiling range

<table>
<thead>
<tr>
<th>SureSelect XT2 Binding Buffer</th>
<th>Not available.</th>
</tr>
</thead>
<tbody>
<tr>
<td>SureSelect XT2 Wash 1</td>
<td>100°C (212°F)</td>
</tr>
<tr>
<td>SureSelect XT2 Wash 2</td>
<td>100°C (212°F)</td>
</tr>
</tbody>
</table>

Flash point

<table>
<thead>
<tr>
<th>Ingredient name</th>
<th>Closed cup</th>
<th>Open cup</th>
</tr>
</thead>
<tbody>
<tr>
<td>Edetic acid</td>
<td>&gt;100</td>
<td>&gt;212</td>
</tr>
<tr>
<td></td>
<td></td>
<td>DIN 51758</td>
</tr>
<tr>
<td>SureSelect XT2 Wash 1</td>
<td>&gt;100</td>
<td>&gt;212</td>
</tr>
<tr>
<td>Citric acid, trisodium salt, dihydrate</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SureSelect XT2 Wash 2</td>
<td>&gt;100</td>
<td>&gt;212</td>
</tr>
<tr>
<td>Citric acid, trisodium salt, dihydrate</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Evaporation rate

<table>
<thead>
<tr>
<th>SureSelect XT2 Binding Buffer</th>
<th>Not available.</th>
</tr>
</thead>
<tbody>
<tr>
<td>SureSelect XT2 Wash 1</td>
<td>Not available.</td>
</tr>
<tr>
<td>SureSelect XT2 Wash 2</td>
<td>Not available.</td>
</tr>
</tbody>
</table>

Date of issue/Date of revision: 30/09/2021  Date of previous issue: 23/05/2019  Version: 3
## Section 9. Physical and chemical properties and safety characteristics

### Flammability
- **SureSelect XT2 Binding Buffer**: Not applicable.
- **SureSelect XT2 Wash 1**: Not applicable.
- **SureSelect XT2 Wash 2**: Not applicable.

### Lower and upper explosion limit/flammability limit
- **SureSelect XT2 Binding Buffer**: Not available.
- **SureSelect XT2 Wash 1**: Not available.
- **SureSelect XT2 Wash 2**: Not available.

### Vapour pressure

<table>
<thead>
<tr>
<th>Ingredient name</th>
<th>Vapour Pressure at 20°C</th>
<th>Vapour Pressure at 50°C</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>mm Hg</td>
<td>kPa</td>
</tr>
<tr>
<td><strong>SureSelect XT2 Binding Buffer</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Water</td>
<td>23.8</td>
<td>3.2</td>
</tr>
<tr>
<td>2-Amino-2-(hydroxymethyl)propane-1,3-diol hydrochloride</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td><strong>SureSelect XT2 Wash 1</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Water</td>
<td>23.8</td>
<td>3.2</td>
</tr>
<tr>
<td>Sodium dodecyl sulphate</td>
<td>≤0.0013501</td>
<td>≤0.00018</td>
</tr>
<tr>
<td><strong>SureSelect XT2 Wash 2</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Water</td>
<td>23.8</td>
<td>3.2</td>
</tr>
<tr>
<td>Sodium dodecyl sulphate</td>
<td>≤0.0013501</td>
<td>≤0.00018</td>
</tr>
</tbody>
</table>

### Relative vapour density
- **SureSelect XT2 Binding Buffer**: Not available.
- **SureSelect XT2 Wash 1**: Not available.
- **SureSelect XT2 Wash 2**: Not available.

### Relative density
- **SureSelect XT2 Binding Buffer**: Not available.
- **SureSelect XT2 Wash 1**: Not available.
- **SureSelect XT2 Wash 2**: Not available.

### Solubility
- **SureSelect XT2 Binding Buffer**: Easily soluble in the following materials: cold water and hot water.
- **SureSelect XT2 Wash 1**: Easily soluble in the following materials: cold water and hot water.
- **SureSelect XT2 Wash 2**: Easily soluble in the following materials: cold water and hot water.

### Partition coefficient: n-octanol/water
- **SureSelect XT2 Binding Buffer**: Not applicable.
- **SureSelect XT2 Wash 1**: Not applicable.
- **SureSelect XT2 Wash 2**: Not applicable.

### Auto-ignition temperature

<table>
<thead>
<tr>
<th>Ingredient name</th>
<th>°C</th>
<th>°F</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SureSelect XT2 Binding Buffer</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Edetic acid</td>
<td>&gt;400</td>
<td>&gt;752</td>
<td>VDI 2263</td>
</tr>
<tr>
<td><strong>SureSelect XT2 Wash 1</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sodium dodecyl sulphate</td>
<td>310.5</td>
<td>590.9</td>
<td>VDI 2263</td>
</tr>
<tr>
<td><strong>SureSelect XT2 Wash 2</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sodium dodecyl sulphate</td>
<td>310.5</td>
<td>590.9</td>
<td>VDI 2263</td>
</tr>
</tbody>
</table>

---

**Date of issue/Date of revision**: 30/09/2021  
**Date of previous issue**: 23/05/2019  
**Version**: 3
Section 9. Physical and chemical properties and safety characteristics

### Decomposition temperature
- **SureSelect XT2 Binding Buffer**
  - Not available.
- **SureSelect XT2 Wash 1**
  - Not available.
- **SureSelect XT2 Wash 2**
  - Not available.

### Viscosity
- **SureSelect XT2 Binding Buffer**
  - Not available.
- **SureSelect XT2 Wash 1**
  - Not available.
- **SureSelect XT2 Wash 2**
  - Not available.

### Particle characteristics
- **Median particle size**
  - **SureSelect XT2 Binding Buffer**
    - Not applicable.
  - **SureSelect XT2 Wash 1**
    - Not applicable.
  - **SureSelect XT2 Wash 2**
    - Not applicable.

Section 10. Stability and reactivity

### Reactivity
- **SureSelect XT2 Binding Buffer**
  - No specific test data related to reactivity available for this product or its ingredients.
- **SureSelect XT2 Wash 1**
  - No specific test data related to reactivity available for this product or its ingredients.
- **SureSelect XT2 Wash 2**
  - No specific test data related to reactivity available for this product or its ingredients.

### Chemical stability
- **SureSelect XT2 Binding Buffer**
  - The product is stable.
- **SureSelect XT2 Wash 1**
  - The product is stable.
- **SureSelect XT2 Wash 2**
  - The product is stable.

### Possibility of hazardous reactions
- **SureSelect XT2 Binding Buffer**
  - Under normal conditions of storage and use, hazardous reactions will not occur.
- **SureSelect XT2 Wash 1**
  - Under normal conditions of storage and use, hazardous reactions will not occur.
- **SureSelect XT2 Wash 2**
  - Under normal conditions of storage and use, hazardous reactions will not occur.

### Conditions to avoid
- **SureSelect XT2 Binding Buffer**
  - No specific data.
- **SureSelect XT2 Wash 1**
  - No specific data.
- **SureSelect XT2 Wash 2**
  - No specific data.

### Incompatible materials
- **SureSelect XT2 Binding Buffer**
  - May react or be incompatible with oxidising materials.
- **SureSelect XT2 Wash 1**
  - May react or be incompatible with oxidising materials.
- **SureSelect XT2 Wash 2**
  - May react or be incompatible with oxidising materials.

### Hazardous decomposition products
- **SureSelect XT2 Binding Buffer**
  - Under normal conditions of storage and use, hazardous decomposition products should not be produced.
- **SureSelect XT2 Wash 1**
  - Under normal conditions of storage and use, hazardous decomposition products should not be produced.
- **SureSelect XT2 Wash 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
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.

Information on likely routes of exposure

<table>
<thead>
<tr>
<th>Route</th>
<th>SureSelect XT2 Binding Buffer</th>
<th>SureSelect XT2 Wash 1</th>
<th>SureSelect XT2 Wash 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inhalation</td>
<td>Not available</td>
<td>Not available</td>
<td>Not available</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>
</tbody>
</table>

Potential acute health effects

<table>
<thead>
<tr>
<th>Route</th>
<th>SureSelect XT2 Binding Buffer</th>
<th>SureSelect XT2 Wash 1</th>
<th>SureSelect XT2 Wash 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eye 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>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>
</tbody>
</table>

Symptoms related to the physical, chemical and toxicological characteristics

<table>
<thead>
<tr>
<th>Route</th>
<th>SureSelect XT2 Binding Buffer</th>
<th>SureSelect XT2 Wash 1</th>
<th>SureSelect XT2 Wash 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eye contact</td>
<td>No specific data.</td>
<td>No specific data.</td>
<td>No specific data.</td>
</tr>
</tbody>
</table>
### Section 11. Toxicological information

#### Inhalation
- SureSelect XT2 Binding Buffer: No specific data.
- SureSelect XT2 Wash 1: No specific data.
- SureSelect XT2 Wash 2: No specific data.

#### Skin contact
- SureSelect XT2 Binding Buffer: No specific data.
- SureSelect XT2 Wash 1: No specific data.
- SureSelect XT2 Wash 2: No specific data.

#### Ingestion
- SureSelect XT2 Binding Buffer: No specific data.
- SureSelect XT2 Wash 1: No specific data.
- SureSelect XT2 Wash 2: No specific data.

### General
- SureSelect XT2 Binding Buffer: No known significant effects or critical hazards.
- SureSelect XT2 Wash 1: No known significant effects or critical hazards.
- SureSelect XT2 Wash 2: No known significant effects or critical hazards.

### Carcinogenicity
- SureSelect XT2 Binding Buffer: No known significant effects or critical hazards.
- SureSelect XT2 Wash 1: No known significant effects or critical hazards.
- SureSelect XT2 Wash 2: No known significant effects or critical hazards.

### Mutagenicity
- SureSelect XT2 Binding Buffer: No known significant effects or critical hazards.
- SureSelect XT2 Wash 1: No known significant effects or critical hazards.
- SureSelect XT2 Wash 2: No known significant effects or critical hazards.

### Reproductive toxicity
- SureSelect XT2 Binding Buffer: No known significant effects or critical hazards.
- SureSelect XT2 Wash 1: No known significant effects or critical hazards.
- SureSelect XT2 Wash 2: No known significant effects or critical hazards.

#### 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
- General: No known significant effects or critical hazards.
- Carcinogenicity: No known significant effects or critical hazards.
- Mutagenicity: No known significant effects or critical hazards.
- Reproductive toxicity: No known significant effects or critical hazards.

### Numerical measures of toxicity

#### Acute toxicity estimates
N/A

### Section 12. Ecological information

#### Toxicity
- Not available.

#### Persistence and degradability
- Not available.

#### Bioaccumulative potential

**Date of issue/Date of revision**: 30/09/2021
**Date of previous issue**: 23/05/2019
**Version**: 3
Section 12. Ecological information

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 IMO instruments**

Not available.

Section 15. Regulatory information

**Standard for the Uniform Scheduling of Medicines 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**

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.
Section 15. Regulatory information

<table>
<thead>
<tr>
<th>Country</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>China</td>
<td>All components are listed or exempted.</td>
</tr>
<tr>
<td>Europe</td>
<td>All components are listed or exempted.</td>
</tr>
</tbody>
</table>
| Japan         | Japan inventory (CSCL): All components are listed or exempted.  
                    Japan inventory (ISHL): 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        | Not determined.                             |
| Turkey        | Not determined.                             |
| United States | All components are active or exempted.      |
| Viet Nam      | All components are listed or exempted.      |

Section 16. Any other relevant information

**History**

<table>
<thead>
<tr>
<th>Date of issue/Date of revision</th>
<th>30/09/2021</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date of previous issue</td>
<td>23/05/2019</td>
</tr>
<tr>
<td>Version</td>
<td>3</td>
</tr>
</tbody>
</table>

**Key to abbreviations**

- ADG = Australian Dangerous Goods
- ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road
- 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
- N/A = Not available
- SUSMP = Standard Uniform Schedule of Medicine and Poisons
- UN = United Nations

**Procedure used to derive the classification**

<table>
<thead>
<tr>
<th>Classification</th>
<th>Not classified.</th>
</tr>
</thead>
</table>

**References**

- Not available.

*Indicates information that has changed from previously issued version.*

**Notice to reader**

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