SAFETY DATA SHEET
SSEL TE Kit, ILM Hyb Module, Box 1 (Post PCR) 96 Rxns, Part Number 5190-9687

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

1.1 Product identifier
Product name: SSEL TE Kit, ILM Hyb Module, Box 1 (Post PCR) 96 Rxns, Part Number 5190-9687
Part no. (chemical kit): 5190-9687
Part no.: SureSelect Binding Buffer 5190-9734
SureSelect Wash Buffer 1 5190-4408
SureSelect Wash Buffer 2 5190-4409

1.2 Relevant identified uses of the substance or mixture and uses advised against
Identified uses: Analytical reagent. For research use only.
Uses advised against: Not for use in diagnostic procedures.

1.3 Details of the supplier of the safety data sheet
Agilent Technologies LDA UK Ltd.
5500 Lakeside Cheadle Royal Business Park,
Cheadle, Cheshire, SK8 3GR
United Kingdom
Tel: +44 (0) 345 712 5292
0800 603 1000
e-mail address of person responsible for this SDS: pdl-msds_author@agilent.com

1.4 Emergency telephone number
Emergency telephone number (with hours of operation): CHEMTREC®: +44(0)-870-8200418

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture
Product definition: SureSelect Binding Buffer Mixture
SureSelect Wash Buffer 1 Mixture
SureSelect Wash Buffer 2 Mixture

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

Ingredients of unknown toxicity: SureSelect Binding Buffer Percentage of the mixture consisting of ingredient(s) of unknown acute inhalation toxicity: 1 - 10%
See Section 16 for the full text of the H statements declared above.
See Section 11 for more detailed information on health effects and symptoms.

2.2 Label elements
Date of issue/Date of revision: 21/10/2022
Date of previous issue: 17/12/2019
Version: 2
SECTION 2: Hazards identification

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

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles:
SureSelect Binding Buffer Not applicable.
SureSelect Wash Buffer 1 Not applicable.
SureSelect Wash Buffer 2 Not applicable.

Special packaging requirements:
Containers to be fitted with child-resistant fastenings:
SureSelect Binding Buffer Not applicable.
SureSelect Wash Buffer 1 Not applicable.
SureSelect Wash Buffer 2 Not applicable.
SECTION 2: Hazards identification

Tactile warning of danger
- SureSelect Binding Buffer: Not applicable.
- SureSelect Wash Buffer 1: Not applicable.
- SureSelect Wash Buffer 2: Not applicable.

2.3 Other hazards

Product meets the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII:
- SureSelect Binding Buffer: This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
- SureSelect Wash Buffer 1: This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
- SureSelect Wash Buffer 2: This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

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/information on ingredients

3.1 Substances
- SureSelect Binding Buffer: Mixture
- SureSelect Wash Buffer 1: Mixture
- SureSelect Wash Buffer 2: Mixture

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, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section.

SECTION 4: First aid measures

4.1 Description of 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.
SECTION 4: First aid measures

**Ingestion**

- **SureSelect Binding Buffer**
  - 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 Wash Buffer 1**
  - 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 Wash Buffer 2**
  - 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.

**Protection of first-aiders**

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

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

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

**4.2 Most important symptoms and effects, both acute and delayed**

**Over-exposure signs/symptoms**

- **Eye contact**
  - **SureSelect Binding Buffer**
    - No specific data.

- **SureSelect Wash Buffer 1**
  - No specific data.

- **SureSelect Wash Buffer 2**
  - No specific data.

- **Inhalation**
  - **SureSelect Binding Buffer**
    - No specific data.

- **SureSelect Wash Buffer 1**
  - No specific data.

- **SureSelect Wash Buffer 2**
  - No specific data.

- **Skin contact**
  - **SureSelect Binding Buffer**
    - No specific data.

- **SureSelect Wash Buffer 1**
  - No specific data.

- **SureSelect Wash Buffer 2**
  - No specific data.

- **Ingestion**
  - **SureSelect Binding Buffer**
    - No specific data.

- **SureSelect Wash Buffer 1**
  - No specific data.

- **SureSelect Wash Buffer 2**
  - No specific data.

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

**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.
SECTION 4: First aid measures

Specific treatments

<table>
<thead>
<tr>
<th>Substance</th>
<th>First aid measures</th>
</tr>
</thead>
<tbody>
<tr>
<td>SureSelect Binding Buffer</td>
<td>No specific treatment.</td>
</tr>
<tr>
<td>SureSelect Wash Buffer 1</td>
<td>No specific treatment.</td>
</tr>
<tr>
<td>SureSelect Wash Buffer 2</td>
<td>No specific treatment.</td>
</tr>
</tbody>
</table>

SECTION 5: Firefighting measures

5.1 Extinguishing media

<table>
<thead>
<tr>
<th>Substance</th>
<th>Extinguishing media</th>
</tr>
</thead>
<tbody>
<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 Wash Buffer 2</td>
<td>Use an extinguishing agent suitable for the surrounding fire.</td>
</tr>
</tbody>
</table>

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

5.2 Special hazards arising from the substance or mixture

<table>
<thead>
<tr>
<th>Substance</th>
<th>Special hazards arising from the substance or mixture</th>
</tr>
</thead>
<tbody>
<tr>
<td>SureSelect Binding Buffer</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 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>

<table>
<thead>
<tr>
<th>Substance</th>
<th>Special hazards arising from the substance or mixture</th>
</tr>
</thead>
<tbody>
<tr>
<td>SureSelect Binding Buffer</td>
<td>Decomposition products may include the following materials:</td>
</tr>
<tr>
<td></td>
<td>halogenated compounds</td>
</tr>
<tr>
<td></td>
<td>metal oxide/oxides</td>
</tr>
<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>

5.3 Advice for firefighters

<table>
<thead>
<tr>
<th>Substance</th>
<th>Advice for firefighters</th>
</tr>
</thead>
<tbody>
<tr>
<td>SureSelect Binding Buffer</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 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>

<table>
<thead>
<tr>
<th>Substance</th>
<th>Advice for firefighters</th>
</tr>
</thead>
<tbody>
<tr>
<td>SureSelect Binding Buffer</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 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

6.1 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".

6.2 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).

6.3 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.

- **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 6: Accidental release measures

6.4 Reference to other sections
See Section 1 for emergency contact information.
See Section 8 for information on appropriate personal protective equipment.
See Section 13 for additional waste treatment information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

<table>
<thead>
<tr>
<th>Protective measures</th>
<th>Advice on general occupational hygiene</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 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>
</tbody>
</table>

7.2 Conditions for safe storage, including any incompatibilities

<table>
<thead>
<tr>
<th>Storage</th>
<th>Advice on general occupational hygiene</th>
</tr>
</thead>
<tbody>
<tr>
<td>SureSelect Binding Buffer</td>
<td>Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.</td>
</tr>
<tr>
<td>SureSelect Wash Buffer 1</td>
<td>Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.</td>
</tr>
<tr>
<td>SureSelect Wash Buffer 2</td>
<td>Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.</td>
</tr>
</tbody>
</table>
SECTION 7: Handling and storage

7.3 Specific end use(s) Recommendations

- SureSelect Binding Buffer: Industrial applications, Professional applications.
- SureSelect Wash Buffer 1: Industrial applications, Professional applications.
- SureSelect Wash Buffer 2: Industrial applications, Professional applications.

Industrial sector specific solutions:

- SureSelect Binding Buffer: Not available.
- SureSelect Wash Buffer 1: Not available.
- SureSelect Wash Buffer 2: Not available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits
No exposure limit value known.

Biological exposure indices
No exposure indices known.

Recommended monitoring procedures:
Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

DNELs/DMELs
No DNELs/DMELs available.

PNECs
No PNECs available.

8.2 Exposure controls

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

Individual protection measures

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

Eye/face protection:
Safety eyewear complying with an approved standard should be worn 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/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.

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

SECTION 9: Physical and chemical properties

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

9.1 Information on basic physical and chemical properties

Appearance


SureSelect Binding Buffer  Not available. SureSelect Wash Buffer 1 Not available. SureSelect Wash Buffer 2 Not available.

Odour: SureSelect Binding Buffer  Not available. SureSelect Wash Buffer 1 Not available. SureSelect Wash Buffer 2 Not available.

Odour threshold: SureSelect Binding Buffer  Not available. SureSelect Wash Buffer 1 Not available. SureSelect Wash Buffer 2 Not available.

Melting point/freezing point: SureSelect Binding Buffer  Not available. SureSelect Wash Buffer 1 0°C. SureSelect Wash Buffer 2 0°C.

Initial boiling point and boiling range: SureSelect Binding Buffer  Not available. SureSelect Wash Buffer 1 100°C. SureSelect Wash Buffer 2 100°C.

Flammability: SureSelect Binding Buffer  Not applicable. SureSelect Wash Buffer 1 Not applicable. SureSelect Wash Buffer 2 Not applicable.
SECTION 9: Physical and chemical properties

Vapour pressure

Flash point

Auto-ignition temperature

Decomposition temperature

pH

Viscosity

Solubility(ies)

Partition coefficient: n-octanol/water

Vapour pressure:
## SECTION 9: Physical and chemical properties

<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 Binding Buffer</strong></td>
<td>water</td>
<td>23.8</td>
</tr>
<tr>
<td><strong>SureSelect Wash Buffer 1</strong></td>
<td>water</td>
<td>23.8</td>
</tr>
<tr>
<td><strong>SureSelect Wash Buffer 2</strong></td>
<td>water</td>
<td>23.8</td>
</tr>
</tbody>
</table>

### Evaporation rate
- SureSelect Binding Buffer: Not available.
- SureSelect Wash Buffer 1: Not available.
- SureSelect Wash Buffer 2: Not available.

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

### Vapour density
- SureSelect Binding Buffer: Not available.
- SureSelect Wash Buffer 1: Not available.
- SureSelect Wash Buffer 2: Not available.

### Explosive properties
- SureSelect Binding Buffer: Not available.
- SureSelect Wash Buffer 1: Not available.
- SureSelect Wash Buffer 2: Not available.

### Oxidising properties
- SureSelect Binding Buffer: Not available.
- SureSelect Wash Buffer 1: Not available.
- SureSelect Wash Buffer 2: Not available.

### Particle characteristics

#### Median particle size
- SureSelect Binding Buffer: Not applicable.
- SureSelect Wash Buffer 1: Not applicable.
- SureSelect Wash Buffer 2: Not applicable.

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

10.1 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.

10.2 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.

10.3 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.

10.4 Conditions to avoid

SureSelect Binding Buffer
No specific data.
SureSelect Wash Buffer 1
No specific data.
SureSelect Wash Buffer 2
No specific data.

10.5 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.

10.6 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

11.1 Information on toxicological effects

Acute toxicity

Acute toxicity estimates
N/A

Irritation/Corrosion

Conclusion/Summary
Not available.

Sensitiser

Conclusion/Summary
Not available.

Mutagenicity

Conclusion/Summary
Not available.

Carcinogenicity

Conclusion/Summary
Not available.

Reproductive toxicity

Conclusion/Summary
Not available.
SECTION 11: Toxicological information

Conclusion/Summary
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

- **Inhalation**
  - 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.

- **Ingestion**
  - 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.

- **Skin contact**
  - 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.

- **Eye contact**
  - 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.

Symptoms related to the physical, chemical and toxicological characteristics

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

- **Ingestion**
  - SureSelect Binding Buffer: No specific data.
  - SureSelect Wash Buffer 1: No specific data.
  - SureSelect Wash Buffer 2: No specific data.
SECTION 11: Toxicological information

**Potential chronic health effects**

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

<table>
<thead>
<tr>
<th>Carcinogenicity</th>
<th>SureSelect Binding Buffer</th>
<th>No known significant effects or critical hazards.</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>SureSelect Wash Buffer 1</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td></td>
<td>SureSelect Wash Buffer 2</td>
<td>No known significant effects or critical hazards.</td>
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</table>

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<tr>
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</tr>
<tr>
<td></td>
<td>SureSelect Wash Buffer 2</td>
<td>No known significant effects or critical hazards.</td>
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</tr>
<tr>
<td></td>
<td>SureSelect Wash Buffer 2</td>
<td>No known significant effects or critical hazards.</td>
</tr>
</tbody>
</table>

**SECTION 12: Ecological information**

12.1 Toxicity

**Conclusion/Summary** : Not available.

12.2 Persistence and degradability

12.3 Bioaccumulative potential

Not available.
SECTION 12: Ecological information

12.4 Mobility in soil

Soil/water partition coefficient ($K_{OC}$) : Not available.

Mobility : Not available.

12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

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

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Methods of disposal : The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

Hazardous waste : Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 2008/98/EC.

Packaging

Methods of disposal : The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

Special precautions : This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

<table>
<thead>
<tr>
<th></th>
<th>ADR/RID</th>
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<th>IATA</th>
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<td>14.5 Environmental hazards</td>
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</tbody>
</table>

Additional information

14.6 Special precautions for user : Transport within user’s premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.
Section 14: Transport information

14.7 Transport in bulk according to IMO instruments: Not available.

Section 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

UK (GB)/REACH

Annex XIV - List of substances subject to authorisation

Annex XIV
None of the components are listed.

Substances of very high concern
None of the components are listed.

Ozone depleting substances
Not listed.

Prior Informed Consent (PIC)
Not listed.

Persistent Organic Pollutants
Not listed.

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles
Not listed.

Label: SureSelect Binding Buffer Not applicable.
SureSelect Wash Buffer 1 Not applicable.
SureSelect Wash Buffer 2 Not applicable.

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

EU regulations

Industrial emissions (integrated pollution prevention and control) - Air
Not listed

Industrial emissions (integrated pollution prevention and control) - Water
Not listed

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

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.
SECTION 15: Regulatory information

Inventory list

Australia : All components are listed or exempted.
Canada : All components are listed or exempted.
China : All components are listed or exempted.
Eurasian Economic Union : Russian Federation inventory: All components are listed or exempted.
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 : All components are listed or exempted.
Thailand : Not determined.
Turkey : Not determined.
United States : All components are active or exempted.
Viet Nam : All components are listed or exempted.

SECTION 16: Other information

Indicates information that has changed from previously issued version.

Abbreviations and acronyms

ATE = Acute Toxicity Estimate
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
DMEL = Derived Minimal Effect Level
DNEL = Derived No Effect Level
EUH statement = CLP-specific Hazard statement
N/A = Not available
PBT = Persistent, Bioaccumulative and Toxic
PNEC = Predicted No Effect Concentration
RRN = REACH Registration Number
vPvB = Very Persistent and Very Bioaccumulative

Procedure used to derive the classification

Not classified.

Full text of abbreviated H statements

Not applicable.

Full text of classifications

Not applicable.

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Date of previous issue : 17/12/2019
Version : 2

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