SAFETY DATA SHEET

SureSelect XT2 Pre-Capture Hybridization - Box 2 - 1 Reaction, Part Number 5190-3938

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

1.1 Product identifier

Product name: SureSelect XT2 Pre-Capture Hybridization - Box 2 - 1 Reaction, Part Number 5190-3938
Part No. (Kit): 5190-3938
Part No.:
- SureSelect RNase Block 5190-1976
- SureSelect XT2 Hybridization Buffer 5190-4078
- SureSelect XT2 Blocking Mix 5190-4079

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

<table>
<thead>
<tr>
<th>Identified uses</th>
<th>Percentage of the mixture consisting of ingredient(s) of unknown toxicity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Analytical reagent.</td>
<td>0.05 ml</td>
</tr>
<tr>
<td>SureSelect RNase Block</td>
<td>0.05 ml</td>
</tr>
<tr>
<td>SureSelect XT2 Hybridization Buffer</td>
<td>0.037 ml</td>
</tr>
<tr>
<td>SureSelect XT2 Blocking Mix</td>
<td>0.009 ml</td>
</tr>
</tbody>
</table>

1.3 Details of the supplier of the safety data sheet

Agilent Technologies Manufacturing GmbH & Co. KG
Hewlett-Packard-Str. 8
76337 Waldbronn
Germany
0800 603 1000

e-mail address of person responsible for this SDS: pdl-msds_author@agilent.com

1.4 Emergency telephone number

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

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Product definition:
- SureSelect RNase Block: Mixture
- SureSelect XT2 Hybridization Buffer: Mixture
- SureSelect XT2 Blocking Mix: Mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]
- SureSelect XT2 Hybridization Buffer: SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2

Ingredients of unknown toxicity:
- SureSelect RNase Block: Not applicable.
- SureSelect XT2 Hybridization Buffer: Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 1.4%
- SureSelect XT2 Blocking Mix: Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 1%

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**SECTION 2: Hazards identification**

<table>
<thead>
<tr>
<th>Ingredients of unknown ecotoxicity</th>
<th>SureSelect RNase Block</th>
<th>Not applicable.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>SureSelect XT2 Hybridization Buffer</td>
<td>Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 1.4%</td>
</tr>
<tr>
<td></td>
<td>SureSelect XT2 Blocking Mix</td>
<td>Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 1%</td>
</tr>
</tbody>
</table>

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

#### Hazard pictograms

<table>
<thead>
<tr>
<th>Signal word</th>
<th>SureSelect RNase Block</th>
<th>No signal word.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>SureSelect XT2 Hybridization Buffer</td>
<td>Warning</td>
</tr>
<tr>
<td></td>
<td>SureSelect XT2 Blocking Mix</td>
<td>No signal word.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Hazard statements</th>
<th>SureSelect RNase Block</th>
<th>No known significant effects or critical hazards.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>SureSelect XT2 Hybridization Buffer</td>
<td>GHS07 - Causes serious eye irritation.</td>
</tr>
<tr>
<td></td>
<td>SureSelect XT2 Blocking Mix</td>
<td>No known significant effects or critical hazards.</td>
</tr>
</tbody>
</table>

#### Precautionary statements

**Prevention**

<table>
<thead>
<tr>
<th>SureSelect RNase Block</th>
<th>Not applicable.</th>
</tr>
</thead>
<tbody>
<tr>
<td>SureSelect XT2 Hybridization Buffer</td>
<td>P280 - Wear eye or face protection.</td>
</tr>
<tr>
<td>SureSelect XT2 Blocking Mix</td>
<td>P264 - Wash hands thoroughly after handling.</td>
</tr>
</tbody>
</table>

**Response**

<table>
<thead>
<tr>
<th>SureSelect RNase Block</th>
<th>Not applicable.</th>
</tr>
</thead>
<tbody>
<tr>
<td>SureSelect XT2 Hybridization Buffer</td>
<td>P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</td>
</tr>
<tr>
<td>SureSelect XT2 Blocking Mix</td>
<td>Not applicable.</td>
</tr>
</tbody>
</table>

**Storage**

<table>
<thead>
<tr>
<th>SureSelect RNase Block</th>
<th>Not applicable.</th>
</tr>
</thead>
<tbody>
<tr>
<td>SureSelect XT2 Hybridization Buffer</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>SureSelect XT2 Blocking Mix</td>
<td>Not applicable.</td>
</tr>
</tbody>
</table>

**Disposal**

<table>
<thead>
<tr>
<th>SureSelect RNase Block</th>
<th>Not applicable.</th>
</tr>
</thead>
<tbody>
<tr>
<td>SureSelect XT2 Hybridization Buffer</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>SureSelect XT2 Blocking Mix</td>
<td>Not applicable.</td>
</tr>
</tbody>
</table>

**Hazardous ingredients**

No hazardous ingredient

**Supplemental label elements**

<table>
<thead>
<tr>
<th>SureSelect RNase Block</th>
<th>Not applicable.</th>
</tr>
</thead>
<tbody>
<tr>
<td>SureSelect XT2 Hybridization Buffer</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>SureSelect XT2 Blocking Mix</td>
<td>Not applicable.</td>
</tr>
</tbody>
</table>

**Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles**

<table>
<thead>
<tr>
<th>SureSelect RNase Block</th>
<th>Not applicable.</th>
</tr>
</thead>
<tbody>
<tr>
<td>SureSelect XT2 Hybridization Buffer</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>SureSelect XT2 Blocking Mix</td>
<td>Not applicable.</td>
</tr>
</tbody>
</table>

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SECTION 2: Hazards identification

Special packaging requirements:
- Tactile warning of danger:
  - SureSelect RNase Block: Not applicable.
  - SureSelect XT2 Hybridization Buffer: Not applicable.
  - SureSelect XT2 Blocking Mix: Not applicable.

2.3 Other hazards:
- Other hazards which do not result in classification:
  - SureSelect RNase Block: None known.
  - SureSelect XT2 Hybridization Buffer: None known.
  - SureSelect XT2 Blocking Mix: None known.

SECTION 3: Composition/information on ingredients

3.2 Mixtures:
- SureSelect RNase Block: Mixture
- SureSelect XT2 Hybridization Buffer: Mixture
- SureSelect XT2 Blocking Mix: Mixture

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Identifiers:

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Identifiers</th>
<th>%</th>
<th>Classification</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>SureSelect RNase Block</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Glycerol</td>
<td>EC: 200-289-5</td>
<td>≥50 - ≤75</td>
<td>Not classified.</td>
<td>[2]</td>
</tr>
<tr>
<td></td>
<td>CAS: 56-81-5</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SureSelect XT2 Hybridization Buffer</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sodium chloride</td>
<td>EC: 231-598-3</td>
<td>≤10</td>
<td>Eye Irrit. 2, H319</td>
<td>[1]</td>
</tr>
<tr>
<td></td>
<td>CAS: 7647-14-5</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>CAS: 151-21-3</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Phosphoric acid, monosodium salt, monohydrate</td>
<td>EC: 231-449-2</td>
<td>≤3</td>
<td></td>
<td>[1]</td>
</tr>
<tr>
<td></td>
<td>CAS: 10049-21-5</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Type:
1. Substance classified with a health or environmental hazard
2. Substance with a workplace exposure limit
3. Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII
4. Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII
5. Substance of equivalent concern

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SECTION 4: First aid measures

4.1 Description of first aid measures

Eye contact

SureSelect RNase Block
Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.

SureSelect XT2 Hybridization Buffer
Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.

SureSelect XT2 Blocking Mix
Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.

Inhalation

SureSelect RNase Block
Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

SureSelect XT2 Hybridization Buffer
Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

SureSelect XT2 Blocking Mix
Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

Skin contact

SureSelect RNase Block
Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

SureSelect XT2 Hybridization Buffer
Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.

SureSelect XT2 Blocking Mix
Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

Ingestion

SureSelect RNase Block
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 XT2 Hybridization Buffer
Wash out mouth with water. Remove dentures if any.

SureSelect XT2 Blocking Mix
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 unconscious. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
**SECTION 4: First aid measures**

**Protection of first-aiders**
- SureSelect RNase Block
  - No action shall be taken involving any personal risk or without suitable training.
- SureSelect XT2 Hybridization Buffer
  - No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.
- SureSelect XT2 Blocking Mix
  - No action shall be taken involving any personal risk or without suitable training.

4.2 Most important symptoms and effects, both acute and delayed

### Potential acute health effects

**Eye contact**
- SureSelect RNase Block
  - No known significant effects or critical hazards.
  - Causes serious eye irritation.
- SureSelect XT2 Hybridization Buffer
  - No known significant effects or critical hazards.
- SureSelect XT2 Blocking Mix
  - No known significant effects or critical hazards.

**Inhalation**
- SureSelect RNase Block
  - No known significant effects or critical hazards.
- SureSelect XT2 Hybridization Buffer
  - No known significant effects or critical hazards.
- SureSelect XT2 Blocking Mix
  - No known significant effects or critical hazards.

**Skin contact**
- SureSelect RNase Block
  - No known significant effects or critical hazards.
- SureSelect XT2 Hybridization Buffer
  - No known significant effects or critical hazards.
- SureSelect XT2 Blocking Mix
  - No known significant effects or critical hazards.

**Ingestion**
- SureSelect RNase Block
  - No known significant effects or critical hazards.
- SureSelect XT2 Hybridization Buffer
  - No known significant effects or critical hazards.
- SureSelect XT2 Blocking Mix
  - No known significant effects or critical hazards.

**Over-exposure signs/symptoms**

**Eye contact**
- SureSelect RNase Block
  - No specific data.
  - Adverse symptoms may include the following:
  - pain or irritation
  - watering
  - redness
- SureSelect XT2 Hybridization Buffer
  - No specific data.
- SureSelect XT2 Blocking Mix
  - No specific data.

**Inhalation**
- SureSelect RNase Block
  - No specific data.
- SureSelect XT2 Hybridization Buffer
  - No specific data.
- SureSelect XT2 Blocking Mix
  - No specific data.

**Skin contact**
- SureSelect RNase Block
  - No specific data.
- SureSelect XT2 Hybridization Buffer
  - No specific data.
- SureSelect XT2 Blocking Mix
  - No specific data.

**Ingestion**
- SureSelect RNase Block
  - No specific data.
- SureSelect XT2 Hybridization Buffer
  - No specific data.
- SureSelect XT2 Blocking Mix
  - No specific data.

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

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- 29/02/2016
SECTION 4: First aid measures

Notes to physician:

SureSelect RNase Block: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
SureSelect XT2 Hybridization Buffer: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
SureSelect XT2 Blocking Mix: In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

Specific treatments:

SureSelect RNase Block: No specific treatment.
SureSelect XT2 Hybridization Buffer: No specific treatment.
SureSelect XT2 Blocking Mix: No specific treatment.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media:

SureSelect RNase Block: Use an extinguishing agent suitable for the surrounding fire.
SureSelect XT2 Hybridization Buffer: Use an extinguishing agent suitable for the surrounding fire.
SureSelect XT2 Blocking Mix: Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing media:

SureSelect RNase Block: None known.
SureSelect XT2 Hybridization Buffer: None known.
SureSelect XT2 Blocking Mix: None known.

5.2 Special hazards arising from the substance or mixture

Hazard from the substance or mixture:

SureSelect RNase Block: In a fire or if heated, a pressure increase will occur and the container may burst.
SureSelect XT2 Hybridization Buffer: In a fire or if heated, a pressure increase will occur and the container may burst.
SureSelect XT2 Blocking Mix: In a fire or if heated, a pressure increase will occur and the container may burst.

Hazardous combustion products:

SureSelect RNase Block: Decomposition products may include the following materials:
- carbon dioxide
- carbon monoxide

SureSelect XT2 Hybridization Buffer: Decomposition products may include the following materials:
- carbon dioxide
- carbon monoxide
- sulfur oxides
- phosphorus oxides
- halogenated compounds
- metal oxide/oxides

SureSelect XT2 Blocking Mix: Decomposition products may include the following materials:
- carbon dioxide
- carbon monoxide
- nitrogen oxides
- phosphorus oxides

5.3 Advice for firefighters

Special precautions for fire-fighters:

SureSelect RNase Block: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
SureSelect XT2 Hybridization 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 Blocking Mix: 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.

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SECTION 5: Firefighting measures

| Special protective equipment for fire-fighters | SureSelect RNase Block | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents. |
|SureSelect XT2 Hybridization Buffer | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents. |
|SureSelect XT2 Blocking Mix | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents. |

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel:
- SureSelect RNase Block: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
- SureSelect XT2 Hybridization 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. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
- SureSelect XT2 Blocking Mix: 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 RNase Block: 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 XT2 Hybridization 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 XT2 Blocking Mix: If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

6.2 Environmental precautions:
- SureSelect RNase Block: Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
- SureSelect XT2 Hybridization 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 XT2 Blocking Mix: 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).
SECTION 6: Accidental release measures

6.3 Methods and material for containment and cleaning up

**Methods for cleaning up:**
- **SureSelect RNase Block**: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
- **SureSelect XT2 Hybridization 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 Blocking Mix**: 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.

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

SECTION 7: Handling and storage

7.1 Precautions for safe handling

**Protective measures:**
- **SureSelect RNase Block**: Put on appropriate personal protective equipment (see Section 8).
- **SureSelect XT2 Hybridization Buffer**: Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapour or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
- **SureSelect XT2 Blocking Mix**: Put on appropriate personal protective equipment (see Section 8).

**Advice on general occupational hygiene:**
- **SureSelect RNase Block**: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
- **SureSelect XT2 Hybridization 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 Blocking Mix**: 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.
SECTION 7: Handling and storage

7.2 Conditions for safe storage, including any incompatibilities

SureSelect RNase Block
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.

SureSelect XT2 Hybridization 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.

SureSelect XT2 Blocking Mix
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.

7.3 Specific end use(s)

Recommendations
SureSelect RNase Block
Industrial applications, Professional applications.
SureSelect XT2 Hybridization Buffer
Industrial applications, Professional applications.
SureSelect XT2 Blocking Mix
Industrial applications, Professional applications.

Industrial sector specific solutions
SureSelect RNase Block
Not applicable.
SureSelect XT2 Hybridization Buffer
Not applicable.
SureSelect XT2 Blocking Mix
Not applicable.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Exposure limit values</th>
</tr>
</thead>
<tbody>
<tr>
<td>SureSelect RNase Block Glycerol</td>
<td>EH40/2005 WELs (United Kingdom (UK), 12/2011). TWA: 10 mg/m³ 8 hours. Form: Mist</td>
</tr>
</tbody>
</table>

Recommended monitoring procedures

If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

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SECTION 8: Exposure controls/personal protection

DNELs/DMELs
No DNELs/DMELs available.

PNECs
No PNECs available

8.2 Exposure controls

Individual protection measures

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

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when 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: chemical splash goggles.

Skin protection

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

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

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

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

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

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state: SureSelect RNase Block Liquid.
SureSelect XT2 Hybridization Buffer Liquid.
SureSelect XT2 Blocking Mix Liquid.

Colour: SureSelect RNase Block Not available.
SureSelect XT2 Hybridization Buffer Not available.
SureSelect XT2 Blocking Mix Not available.

Date of issue/Date of revision: 29/02/2016
## SECTION 9: Physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>SureSelect RNase Block</th>
<th>SureSelect XT2 Hybridization Buffer</th>
<th>SureSelect XT2 Blocking Mix</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>
<td>Not available.</td>
<td>Not available.</td>
<td>Not available.</td>
</tr>
<tr>
<td>Melting point/freezing point</td>
<td>Not available.</td>
<td>Not available.</td>
<td>Not available.</td>
</tr>
<tr>
<td>Initial boiling point and boiling range</td>
<td>Not available.</td>
<td>Not available.</td>
<td>Not available.</td>
</tr>
<tr>
<td>pH</td>
<td>7.6</td>
<td>7.4</td>
<td>7.5</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>Upper/lower flammability or explosive limits</td>
<td>Not available.</td>
<td>Not available.</td>
<td>Not available.</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>Not available.</td>
<td>Not available.</td>
<td>Not available.</td>
</tr>
</tbody>
</table>

Date of issue/Date of revision: 29/02/2016
### SECTION 9: Physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>SureSelect RNase Block</th>
<th>SureSelect XT2 Hybridization Buffer</th>
<th>SureSelect XT2 Blocking Mix</th>
</tr>
</thead>
<tbody>
<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(ies)</td>
<td></td>
<td>Soluble in the following materials: cold water.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Easily soluble in the following materials: cold water and hot water.</td>
<td></td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>Not available</td>
<td>Not available</td>
<td>Not available</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>
<tr>
<td>Explosive properties</td>
<td>Not available</td>
<td>Not available</td>
<td>Not available</td>
</tr>
<tr>
<td>Oxidising properties</td>
<td>Not available</td>
<td>Not available</td>
<td>Not available</td>
</tr>
</tbody>
</table>

#### 9.2 Other information

No additional information.
SECTION 10: Stability and reactivity

10.1 Reactivity

- SureSelect RNase Block: No specific test data related to reactivity available for this product or its ingredients.
- SureSelect XT2 Hybridization Buffer: No specific test data related to reactivity available for this product or its ingredients.
- SureSelect XT2 Blocking Mix: No specific test data related to reactivity available for this product or its ingredients.

10.2 Chemical stability

- SureSelect RNase Block: The product is stable.
- SureSelect XT2 Hybridization Buffer: The product is stable.
- SureSelect XT2 Blocking Mix: The product is stable.

10.3 Possibility of hazardous reactions

- SureSelect RNase Block: Under normal conditions of storage and use, hazardous reactions will not occur.
- SureSelect XT2 Hybridization Buffer: Under normal conditions of storage and use, hazardous reactions will not occur.
- SureSelect XT2 Blocking Mix: Under normal conditions of storage and use, hazardous reactions will not occur.

10.4 Conditions to avoid

- SureSelect RNase Block: No specific data.
- SureSelect XT2 Hybridization Buffer: No specific data.
- SureSelect XT2 Blocking Mix: No specific data.

10.5 Incompatible materials

- SureSelect RNase Block: May react or be incompatible with oxidising materials.
- SureSelect XT2 Hybridization Buffer: May react or be incompatible with oxidising materials.
- SureSelect XT2 Blocking Mix: May react or be incompatible with oxidising materials.

10.6 Hazardous decomposition products

- SureSelect RNase Block: Under normal conditions of storage and use, hazardous decomposition products should not be produced.
- SureSelect XT2 Hybridization Buffer: Under normal conditions of storage and use, hazardous decomposition products should not be produced.
- SureSelect XT2 Blocking Mix: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

**Acute toxicity**

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Result</th>
<th>Species</th>
<th>Dose</th>
<th>Exposure</th>
</tr>
</thead>
<tbody>
<tr>
<td>SureSelect XT2 Hybridization Buffer</td>
<td>LD50 Oral</td>
<td>Rat</td>
<td>3000 mg/kg</td>
<td>-</td>
</tr>
<tr>
<td>Sodium chloride</td>
<td>LD50 Dermal</td>
<td>Rabbit</td>
<td>580 mg/kg</td>
<td>-</td>
</tr>
<tr>
<td>Sodium dodecyl sulphate</td>
<td>LD50 Oral</td>
<td>Rat</td>
<td>1288 mg/kg</td>
<td>-</td>
</tr>
</tbody>
</table>

**Acute toxicity estimates**

<table>
<thead>
<tr>
<th>Route</th>
<th>ATE value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral SureSelect XT2 Hybridization Buffer</td>
<td>48548.8 mg/kg</td>
</tr>
<tr>
<td>Dermal SureSelect XT2 Hybridization Buffer</td>
<td>21862 mg/kg</td>
</tr>
</tbody>
</table>

**Irritation/Corrosion**
### SECTION 11: Toxicological information

#### Potential acute health effects

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Result</th>
<th>Species</th>
<th>Score</th>
<th>Exposure</th>
<th>Observation</th>
</tr>
</thead>
<tbody>
<tr>
<td>SureSelect RNase Block</td>
<td>No known significant effects or critical hazards.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SureSelect XT2 Hybridization Buffer</td>
<td>No known significant effects or critical hazards.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SureSelect XT2 Blocking Mix</td>
<td>No known significant effects or critical hazards.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| Sensitiser                               | Conclusion/Summary : Not available. |

| Chronic toxicity / Carcinogenicity / Mutagenicity / Teratogenicity / Reproductive toxicity |
|---------------------------------------------|--------------------------------------|
| Not available.                              |                                      |

<table>
<thead>
<tr>
<th>Specific target organ toxicity (single exposure)</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Category</th>
<th>Route of exposure</th>
<th>Target organs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium dodecyl sulphate</td>
<td>Category 3</td>
<td>Not applicable.</td>
<td>Respiratory tract irritation</td>
</tr>
<tr>
<td>Phosphoric acid, monosodium salt, monohydrate</td>
<td>Category 3</td>
<td>Not applicable.</td>
<td>Respiratory tract irritation</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Specific target organ toxicity (repeated exposure)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not available.</td>
</tr>
</tbody>
</table>

| Aspiration hazard                            |                                      |
|-----------------------------------------------|                                      |
| Not available.                                |

| Information on likely routes of exposure     |                                      |
|-----------------------------------------------|                                      |
| SureSelect RNase Block                        | Routes of entry anticipated: Oral, Dermal, Inhalation. |
| SureSelect XT2 Hybridization Buffer           | Routes of entry anticipated: Oral, Dermal, Inhalation. |
| SureSelect XT2 Blocking Mix                   | Not available.                       |

| Potential acute health effects               |                                      |
|-----------------------------------------------|                                      |
| Inhalation                                   | No known significant effects or critical hazards. |
| Ingestion                                    | No known significant effects or critical hazards. |

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**Section 11: Toxicological information**

### Potential chronic health effects

**General**

- SureSelect RNase Block
- SureSelect XT2
- Hybridization Buffer
- SureSelect XT2 Blocking Mix

No known significant effects or critical hazards.

**Carcinogenicity**

- SureSelect RNase Block
- SureSelect XT2
- Hybridization Buffer
- SureSelect XT2 Blocking Mix

No known significant effects or critical hazards.

### Skin contact

- SureSelect RNase Block
- SureSelect XT2
- Hybridization Buffer
- SureSelect XT2 Blocking Mix

No known significant effects or critical hazards.

### Eye contact

- SureSelect RNase Block
- SureSelect XT2
- Hybridization Buffer
- SureSelect XT2 Blocking Mix

No known significant effects or critical hazards.

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

#### Inhalation

- SureSelect RNase Block
- SureSelect XT2
- Hybridization Buffer
- SureSelect XT2 Blocking Mix

No specific data.

#### Ingestion

- SureSelect RNase Block
- SureSelect XT2
- Hybridization Buffer
- SureSelect XT2 Blocking Mix

No specific data.

#### Skin contact

- SureSelect RNase Block
- SureSelect XT2
- Hybridization Buffer
- SureSelect XT2 Blocking Mix

No specific data.

#### Eye contact

- SureSelect RNase Block
- SureSelect XT2
- Hybridization Buffer
- SureSelect XT2 Blocking Mix

No specific data.

### 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.

### Carcinogenicity

- SureSelect RNase Block
- SureSelect XT2
- Hybridization Buffer
- SureSelect XT2 Blocking Mix

No known significant effects or critical hazards.

### Pain or irritation

Watering

Redness

### Adverse symptoms may include the following:

- Pain or irritation
- Watering
- Redness

---

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**SECTION 11: Toxicological information**

**Mutagenicity**
- SureSelect RNase Block
- SureSelect XT2 Hybridization Buffer
- SureSelect XT2 Blocking Mix
No known significant effects or critical hazards.

**Teratogenicity**
- SureSelect RNase Block
- SureSelect XT2 Hybridization Buffer
- SureSelect XT2 Blocking Mix
No known significant effects or critical hazards.

**Developmental effects**
- SureSelect RNase Block
- SureSelect XT2 Hybridization Buffer
- SureSelect XT2 Blocking Mix
No known significant effects or critical hazards.

**Fertility effects**
- SureSelect RNase Block
- SureSelect XT2 Hybridization Buffer
- SureSelect XT2 Blocking Mix
No known significant effects or critical hazards.

**SECTION 12: Ecological information**

12.1 Toxicity

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Result</th>
<th>Species</th>
<th>Exposure</th>
</tr>
</thead>
<tbody>
<tr>
<td>SureSelect XT2 Hybridization Buffer</td>
<td>Acute EC50 2430000 μg/l Fresh water</td>
<td>Algae - Navicula seminulum</td>
<td>96 hours</td>
</tr>
<tr>
<td>Sodium chloride</td>
<td>Acute EC50 28.85 mg/dm³ Fresh water</td>
<td>Algae - Pseudokirchneriella subcapitata</td>
<td>72 hours</td>
</tr>
<tr>
<td></td>
<td>Acute EC50 519.6 mg/l Fresh water</td>
<td>Crustaceans - Cypris subglobosa</td>
<td>48 hours</td>
</tr>
<tr>
<td></td>
<td>Acute IC50 6.87 g/L Fresh water</td>
<td>Aquatic plants - Lemna minor</td>
<td>96 hours</td>
</tr>
<tr>
<td></td>
<td>Acute LC50 1661 mg/l Fresh water</td>
<td>Daphnia - Daphnia magna</td>
<td>48 hours</td>
</tr>
<tr>
<td></td>
<td>Acute LC50 1000000 μg/l Fresh water</td>
<td>Fish - Morone saxatilis - Larvae</td>
<td>96 hours</td>
</tr>
<tr>
<td></td>
<td>Chronic LC50 781 mg/l Fresh water</td>
<td>Crustaceans - Hyalella azteca - Juvenile (Fledgling, Hatchling, Weanling)</td>
<td>3 weeks</td>
</tr>
<tr>
<td>Sodium dodecyl sulphate</td>
<td>Chronic NOEC 6 g/L Fresh water</td>
<td>Aquatic plants - Lemna minor</td>
<td>96 hours</td>
</tr>
<tr>
<td></td>
<td>Chronic NOEC 0.314 g/L Fresh water</td>
<td>Daphnia - Daphnia pulex</td>
<td>21 days</td>
</tr>
<tr>
<td></td>
<td>Chronic NOEC 100 mg/l Fresh water</td>
<td>Fish - Gambusia holbrooki - Adult</td>
<td>8 weeks</td>
</tr>
<tr>
<td></td>
<td>Acute EC50 1200 μg/l Marine water</td>
<td>Algae - Skeletonema costatum</td>
<td>96 hours</td>
</tr>
<tr>
<td></td>
<td>Acute LC50 900 μg/l Marine water</td>
<td>Crustaceans - Artemia salina - Adult</td>
<td>48 hours</td>
</tr>
<tr>
<td></td>
<td>Acute LC50 1400 μg/l Fresh water</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Acute LC50 590 μg/l Fresh water</td>
<td>Daphnia - Daphnia pulex - Neonate</td>
<td>48 hours</td>
</tr>
<tr>
<td></td>
<td>Chronic NOEC 1.25 mg/l Marine water</td>
<td>Fish - Cirrhusnus mrigala - Larvae</td>
<td>96 hours</td>
</tr>
<tr>
<td></td>
<td>Chronic NOEC 1 mg/l Marine water</td>
<td>Algae - Ulva fasciata - Zoa</td>
<td>96 hours</td>
</tr>
<tr>
<td></td>
<td>Chronic NOEC 3.2 mg/l Fresh water</td>
<td>Crustaceans - Pseudosida ramosa - Neonate</td>
<td>21 days</td>
</tr>
<tr>
<td></td>
<td>Chronic NOEC &gt;1357 μg/l Fresh water</td>
<td>Daphnia - Daphnia magna - Neonate</td>
<td>21 days</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Fish - Pimephales promelas</td>
<td>42 days</td>
</tr>
</tbody>
</table>

12.2 Persistence and degradability
Not available.

**Date of issue/Date of revision**: 29/02/2016
SECTION 12: Ecological information

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Aquatic half-life</th>
<th>Photolysis</th>
<th>Biodegradability</th>
</tr>
</thead>
<tbody>
<tr>
<td>SureSelect XT2 Hybridization Buffer</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sodium dodecyl sulphate</td>
<td></td>
<td></td>
<td>Readily</td>
</tr>
</tbody>
</table>

12.3 Bioaccumulative potential

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>LogP&lt;sub&gt;ow&lt;/sub&gt;</th>
<th>BCF</th>
<th>Potential</th>
</tr>
</thead>
<tbody>
<tr>
<td>SureSelect XT2 Hybridization Buffer</td>
<td>-2.03</td>
<td>-</td>
<td>low</td>
</tr>
<tr>
<td>Sodium dodecyl sulphate</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

12.4 Mobility in soil

- Soil/water partition coefficient (K<sub>OC</sub>) : Not available.
- Mobility : Not available.

12.5 Results of PBT and vPvB assessment

- PBT : Not applicable.
- vPvB : Not applicable.

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

SECTION 13: Disposal considerations

13.1 Waste treatment methods

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

- **Hazardous waste**
  - Methods of disposal : The classification of the product may meet the criteria for a hazardous waste.

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

- **Special precautions**
  - This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

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.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

- Not available.

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SECTION 15: Regulatory information

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

EU Regulation (EC) No. 1907/2006 (REACH)

Annex XIV - List of substances subject to authorisation

Annex XIV
None of the components are listed.

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

Annex XVII - Restrictions on the manufacture, placing on the market, and use of certain dangerous substances, mixtures and articles

SureSelect RNase Block
Not applicable.

SureSelect XT2 Hybridization Buffer
Not applicable.

SureSelect XT2 Blocking Mix
Not applicable.

Other EU regulations

Europe inventory: All components are listed or exempted.

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

National regulations

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 Inform Consent (PIC)
Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals
Not listed.

International lists

National inventory

Australia: Not determined.
Canada: At least one component is not listed in DSL but all such components are listed in NDSL.
China: All components are listed or exempted.
Japan: Japan inventory (ENCS): Not determined.
Japan inventory (ISHL): Not determined.
Malaysia: Not determined.
New Zealand: All components are listed or exempted.
Philippines: Not determined.
Republic of Korea: Not determined.
Taiwan: All components are listed or exempted.
Turkey: Not determined.
United States: All components are listed or exempted.

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

Date of issue/Date of revision: 29/02/2016
Abbreviations and acronyms:
ATE = Acute Toxicity Estimate
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
DNEL = Derived No Effect Level
EUH statement = CLP-specific Hazard statement
PNEC = Predicted No Effect Concentration
RN = REACH Registration Number

SureSelect XT2 Hybridization Buffer

**Classification**

<table>
<thead>
<tr>
<th>Classification</th>
<th>Justification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eye Irrit. 2, H319</td>
<td>Calculation method</td>
</tr>
</tbody>
</table>

**Full text of abbreviated H statements**

SureSelect XT2 Hybridization Buffer

H228 Flammable solid.
H302 Harmful if swallowed.
H311 Toxic in contact with skin.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H400 Very toxic to aquatic life.
H412 Harmful to aquatic life with long lasting effects.

**Full text of classifications [CLP/GHS]**

SureSelect XT2 Hybridization Buffer

Acute Tox. 3, H311 ACUTE TOXICITY (dermal) - Category 3
Acute Tox. 4, H302 ACUTE TOXICITY (oral) - Category 4
Aquatic Acute 1, H400 ACUTE AQUATIC HAZARD - Category 1
Aquatic Chronic 3, H412 LONG-TERM AQUATIC HAZARD - Category 3
Eye Irrit. 2, H319 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2
Flam. Sol. 2, H228 FLAMMABLE SOLIDS - Category 2
Skin Irrit. 2, H315 SKIN CORROSION/IRRITATION - Category 2
STOT SE 3, H335 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3

Date of issue/ Date of revision : 29/02/2016

Date of previous issue : No previous validation.

Version : 1

Notice to reader

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