SAFETY DATA SHEET
SureSelect XT2 Block Mix and Primer Mix Kit, Part Number 5190-7472

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

1.1 Product identifier
Product name: SureSelect XT2 Block Mix and Primer Mix Kit, Part Number 5190-7472
Part No. (Kit): 5190-7472
Part No. (Mix):
  - SureSelect XT2 Blocking Mix: 5190-4087
  - XT2 Primer Mix: 5190-3804

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

<table>
<thead>
<tr>
<th>Identified uses</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Analytical reagent.</td>
<td></td>
</tr>
<tr>
<td>SureSelect XT2 Blocking Mix</td>
<td>2.16 ml (2 x 1.08 ml)</td>
</tr>
<tr>
<td>XT2 Primer Mix</td>
<td>0.32 ml (16 Reactions)</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 XT2 Blocking Mix: Mixture
  - XT2 Primer Mix: Mixture

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

Ingredients of unknown toxicity:
  - SureSelect XT2 Blocking Mix: Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 1%
  - XT2 Primer Mix: Not applicable.

Ingredients of unknown ecotoxicity:
  - SureSelect XT2 Blocking Mix: Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 1%
  - XT2 Primer Mix: Not applicable.

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
Signal word:
  - SureSelect XT2 Blocking Mix: No signal word.
  - XT2 Primer Mix: No signal word.

Date of issue/Date of revision: 30/03/2016
**SureSelect XT2 Block Mix and Primer Mix Kit, Part Number 5190-7472**

**SECTION 2: Hazards identification**

<table>
<thead>
<tr>
<th>Hazard statements</th>
<th>: SureSelect XT2 Blocking Mix</th>
<th>No known significant effects or critical hazards.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>XX2 Primer Mix</td>
<td>No known significant effects or critical hazards.</td>
</tr>
</tbody>
</table>

**Precautionary statements**

**Prevention**

<table>
<thead>
<tr>
<th>: SureSelect XT2 Blocking Mix</th>
<th>Not applicable.</th>
</tr>
</thead>
<tbody>
<tr>
<td>XX2 Primer Mix</td>
<td>Not applicable.</td>
</tr>
</tbody>
</table>

**Response**

<table>
<thead>
<tr>
<th>: SureSelect XT2 Blocking Mix</th>
<th>Not applicable.</th>
</tr>
</thead>
<tbody>
<tr>
<td>XX2 Primer Mix</td>
<td>Not applicable.</td>
</tr>
</tbody>
</table>

**Storage**

<table>
<thead>
<tr>
<th>: SureSelect XT2 Blocking Mix</th>
<th>Not applicable.</th>
</tr>
</thead>
<tbody>
<tr>
<td>XX2 Primer Mix</td>
<td>Not applicable.</td>
</tr>
</tbody>
</table>

**Disposal**

<table>
<thead>
<tr>
<th>: SureSelect XT2 Blocking Mix</th>
<th>Not applicable.</th>
</tr>
</thead>
<tbody>
<tr>
<td>XX2 Primer Mix</td>
<td>Not applicable.</td>
</tr>
</tbody>
</table>

**Hazardous ingredients**

| : No hazardous ingredient |

**Supplemental label elements**

<table>
<thead>
<tr>
<th>: SureSelect XT2 Blocking Mix</th>
<th>Not applicable.</th>
</tr>
</thead>
<tbody>
<tr>
<td>XX2 Primer 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 XT2 Blocking Mix</th>
<th>Not applicable.</th>
</tr>
</thead>
<tbody>
<tr>
<td>XX2 Primer Mix</td>
<td>Not applicable.</td>
</tr>
</tbody>
</table>

**Special packaging requirements**

<table>
<thead>
<tr>
<th>Tactile warning of danger</th>
<th>: SureSelect XT2 Blocking Mix</th>
<th>Not applicable.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>XX2 Primer Mix</td>
<td>Not applicable.</td>
</tr>
</tbody>
</table>

**2.3 Other hazards**

**Other hazards which do not result in classification**

<table>
<thead>
<tr>
<th>: SureSelect XT2 Blocking Mix</th>
<th>None known.</th>
</tr>
</thead>
<tbody>
<tr>
<td>XX2 Primer Mix</td>
<td>None known.</td>
</tr>
</tbody>
</table>

**SECTION 3: Composition/information on ingredients**

**3.2 Mixtures**

<table>
<thead>
<tr>
<th>: SureSelect XT2 Blocking Mix</th>
<th>Mixture</th>
</tr>
</thead>
<tbody>
<tr>
<td>XX2 Primer Mix</td>
<td>Mixture</td>
</tr>
</tbody>
</table>

**Product/ingredient name**

| No hazardous ingredient |

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 or vPvBs or have been assigned a workplace exposure limit 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

Occupational exposure limits, if available, are listed in Section 8.
SECTION 4: First aid measures

4.1 Description of first aid measures

**Eye contact**
- **SureSelect XT2 Blocking Mix**
  - Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
- **XT2 Primer Mix**
  - Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

**Inhalation**
- **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.
- **XT2 Primer Mix**
  - 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 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.
- **XT2 Primer 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.

**Ingestion**
- **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 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.
- **XT2 Primer 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 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 XT2 Blocking Mix**
  - No action shall be taken involving any personal risk or without suitable training.
- **XT2 Primer 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 XT2 Blocking Mix**
  - No known significant effects or critical hazards.
- **XT2 Primer Mix**
  - No known significant effects or critical hazards.

**Inhalation**
- **SureSelect XT2 Blocking Mix**
  - No known significant effects or critical hazards.
- **XT2 Primer Mix**
  - No known significant effects or critical hazards.

**Skin contact**
- **SureSelect XT2 Blocking Mix**
  - No known significant effects or critical hazards.
- **XT2 Primer Mix**
  - No known significant effects or critical hazards.

**Ingestion**
- **SureSelect XT2 Blocking Mix**
  - No known significant effects or critical hazards.
- **XT2 Primer Mix**
  - No known significant effects or critical hazards.

**Over-exposure signs/symptoms**

**Eye contact**
- **SureSelect XT2 Blocking Mix**
  - No specific data.
- **XT2 Primer Mix**
  - No specific data.

**Inhalation**
- **SureSelect XT2 Blocking Mix**
  - No specific data.
- **XT2 Primer Mix**
  - No specific data.

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SECTION 4: First aid measures

**Skin contact**
- SureSelect XT2 Blocking Mix: No specific data.
- XT2 Primer Mix: No specific data.

**Ingestion**
- SureSelect XT2 Blocking Mix: No specific data.
- XT2 Primer Mix: No specific data.

4.3 Indication of any immediate medical attention and special treatment needed

**Notes to physician**
- 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.
- XT2 Primer Mix: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

**Specific treatments**
- SureSelect XT2 Blocking Mix: No specific treatment.
- XT2 Primer Mix: No specific treatment.

SECTION 5: Firefighting measures

5.1 Extinguishing media

**Suitable extinguishing media**
- SureSelect XT2 Blocking Mix: Use an extinguishing agent suitable for the surrounding fire.
- XT2 Primer Mix: Use an extinguishing agent suitable for the surrounding fire.

**Unsuitable extinguishing media**
- SureSelect XT2 Blocking Mix: None known.
- XT2 Primer Mix: None known.

5.2 Special hazards arising from the substance or mixture

**Hazardous combustion products**
- SureSelect XT2 Blocking Mix: Decomposition products may include the following materials:
  - carbon dioxide
  - carbon monoxide
  - nitrogen oxides
  - phosphorus oxides
- XT2 Primer Mix: No specific data.

5.3 Advice for firefighters

**Special precautions for fire-fighters**
- SureSelect XT2 Blocking Mix: Promtly 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.
- XT2 Primer Mix: Promtly 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.

**Special protective equipment for fire-fighters**
- 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.
- XT2 Primer 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.

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### SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

<table>
<thead>
<tr>
<th>For non-emergency personnel</th>
<th>For emergency responders</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SureSelect XT2 Blocking Mix</strong></td>
<td><strong>SureSelect XT2 Blocking Mix</strong></td>
</tr>
<tr>
<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>
<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><strong>XT2 Primer Mix</strong></td>
<td><strong>XT2 Primer Mix</strong></td>
</tr>
<tr>
<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>
<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>

6.2 Environmental precautions

<table>
<thead>
<tr>
<th><strong>SureSelect XT2 Blocking Mix</strong></th>
<th><strong>XT2 Primer Mix</strong></th>
</tr>
</thead>
<tbody>
<tr>
<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>
<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>

6.3 Methods and material for containment and cleaning up

<table>
<thead>
<tr>
<th>Methods for cleaning up</th>
<th><strong>SureSelect XT2 Blocking Mix</strong></th>
<th><strong>XT2 Primer Mix</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.</td>
<td>Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.</td>
<td></td>
</tr>
</tbody>
</table>

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><strong>SureSelect XT2 Blocking Mix</strong></th>
<th><strong>XT2 Primer Mix</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Put on appropriate personal protective equipment (see Section 8).</td>
<td>Put on appropriate personal protective equipment (see Section 8).</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Advice on general occupational hygiene</th>
<th><strong>SureSelect XT2 Blocking Mix</strong></th>
<th><strong>XT2 Primer Mix</strong></th>
</tr>
</thead>
<tbody>
<tr>
<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>
<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>
<td></td>
</tr>
</tbody>
</table>

Date of issue/Date of revision: 30/03/2016
**SECTION 7: Handling and storage**

7.2 Conditions for safe storage, including any incompatibilities

- **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.

- **XT2 Primer 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.

**SECTION 8: Exposure controls/personal protection**

8.1 Control parameters

**Occupational exposure limits**

No exposure limit value known.

**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.

**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**
**SECTION 8: Exposure controls/personal protection**

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

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

**Skin protection**

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

**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.

**Ensemble 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 XT2 Blocking Mix and XT2 Primer Mix

**Colour**: SureSelect XT2 Blocking Mix and XT2 Primer Mix

**Odour**: SureSelect XT2 Blocking Mix and XT2 Primer Mix

**Odour threshold**: SureSelect XT2 Blocking Mix and XT2 Primer Mix

**pH**: SureSelect XT2 Blocking Mix and XT2 Primer Mix

**Melting point/freezing point**: SureSelect XT2 Blocking Mix and XT2 Primer Mix

**Initial boiling point and boiling range**: SureSelect XT2 Blocking Mix and XT2 Primer Mix

**Flash point**: SureSelect XT2 Blocking Mix and XT2 Primer Mix

**Evaporation rate**: SureSelect XT2 Blocking Mix and XT2 Primer Mix

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*Date of issue/Date of revision*: 30/03/2016
### SECTION 9: Physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>XT2 Blocking Mix</th>
<th>XT2 Primer Mix</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flammability (solid, gas)</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>
</tr>
<tr>
<td>Vapour pressure</td>
<td>Not available.</td>
<td>Not available.</td>
</tr>
<tr>
<td>Vapour density</td>
<td>Not available.</td>
<td>Not available.</td>
</tr>
<tr>
<td>Relative density</td>
<td>Not available.</td>
<td>Not available.</td>
</tr>
<tr>
<td>Solubility(ies)</td>
<td>Easily soluble in the following materials: cold water and hot water.</td>
<td>Easily soluble in the following materials: cold water and hot water.</td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>Not available.</td>
<td>Not available.</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>Not available.</td>
<td>Not available.</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>Not available.</td>
<td>Not available.</td>
</tr>
<tr>
<td>Viscosity</td>
<td>Not available.</td>
<td>Not available.</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>Not available.</td>
<td>Not available.</td>
</tr>
<tr>
<td>Oxidising properties</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

<table>
<thead>
<tr>
<th>Product</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>XT2 Blocking Mix</td>
<td>No specific test data related to reactivity available for this product or its ingredients.</td>
</tr>
<tr>
<td>XT2 Primer Mix</td>
<td>No specific test data related to reactivity available for this product or its ingredients.</td>
</tr>
</tbody>
</table>

#### 10.2 Chemical stability

<table>
<thead>
<tr>
<th>Product</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>XT2 Blocking Mix</td>
<td>The product is stable.</td>
</tr>
<tr>
<td>XT2 Primer Mix</td>
<td>The product is stable.</td>
</tr>
</tbody>
</table>

#### 10.3 Possibility of hazardous reactions

<table>
<thead>
<tr>
<th>Product</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>XT2 Blocking Mix</td>
<td>Under normal conditions of storage and use, hazardous reactions will not occur.</td>
</tr>
<tr>
<td>XT2 Primer Mix</td>
<td>Under normal conditions of storage and use, hazardous reactions will not occur.</td>
</tr>
</tbody>
</table>

**Date of issue/Date of revision**: 30/03/2016
## SECTION 10: Stability and reactivity

### 10.4 Conditions to avoid
- **SureSelect XT2 Blocking Mix**
  - No specific data.
- **XT2 Primer Mix**
  - No specific data.

### 10.5 Incompatible materials
- **SureSelect XT2 Blocking Mix**
  - May react or be incompatible with oxidising materials.
- **XT2 Primer Mix**
  - May react or be incompatible with oxidising materials.

### 10.6 Hazardous decomposition products
- **SureSelect XT2 Blocking Mix**
  - Under normal conditions of storage and use, hazardous decomposition products should not be produced.
- **XT2 Primer 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
- **SureSelect XT2 Blocking Mix**
  - No known significant effects or critical hazards.
- **XT2 Primer Mix**
  - No known significant effects or critical hazards.

#### Irritation/Corrosion
- **Conclusion/Summary**
  - Not available.

#### Sensitiser
- **Conclusion/Summary**
  - Not available.

#### Chronic toxicity / Carcinogenicity / Mutagenicity / Teratogenicity / Reproductive toxicity
- 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
- **SureSelect XT2 Blocking Mix**
  - Not available.
- **XT2 Primer Mix**
  - Not available.

#### Potential acute health effects

##### Inhalation
- **SureSelect XT2 Blocking Mix**
  - No known significant effects or critical hazards.
- **XT2 Primer Mix**
  - No known significant effects or critical hazards.

##### Ingestion
- **SureSelect XT2 Blocking Mix**
  - No known significant effects or critical hazards.
- **XT2 Primer Mix**
  - No known significant effects or critical hazards.

##### Skin contact
- **SureSelect XT2 Blocking Mix**
  - No known significant effects or critical hazards.
- **XT2 Primer Mix**
  - No known significant effects or critical hazards.

##### Eye contact
- **SureSelect XT2 Blocking Mix**
  - No known significant effects or critical hazards.
- **XT2 Primer Mix**
  - No known significant effects or critical hazards.

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

##### Inhalation
- **SureSelect XT2 Blocking Mix**
  - No specific data.
- **XT2 Primer Mix**
  - No specific data.

##### Ingestion
- **SureSelect XT2 Blocking Mix**
  - No specific data.
- **XT2 Primer Mix**
  - No specific data.
CONFORMS TO REGULATION (EC) NO. 1907/2006 (REACH), ANNEX II - UNITED KINGDOM (UK)

SURESELECT XT2 BLOCK MIX AND PRIMER MIX KIT, PART NUMBER 5190-7472

SECTION 11: Toxicological information

<table>
<thead>
<tr>
<th>Substance</th>
<th>Toxicological Effects</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SureSelect XT2 Blocking Mix</strong></td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td><strong>XT2 Primer Mix</strong></td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td><strong>SureSelect XT2 Blocking Mix</strong></td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td><strong>XT2 Primer Mix</strong></td>
<td>No known significant effects or critical hazards.</td>
</tr>
</tbody>
</table>

**Skin contact**: No specific data.

**Eye contact**: 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.

**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.
- **Teratogenicity**: No known significant effects or critical hazards.
- **Developmental effects**: No known significant effects or critical hazards.
- **Fertility effects**: No known significant effects or critical hazards.

**SECTION 12: Ecological information**

12.1 **Toxicity**

- **Conclusion/Summary**: Not available.

12.2 **Persistence and degradability**

- **Toxicity and degradability**: Not available.

12.3 **Bioaccumulative potential**

- **Toxicity and degradability**: Not available.

12.4 **Mobility in soil**

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

12.5 **Results of PBT and vPvB assessment**

- **PBT**: Not applicable.

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SureSelect XT2 Block Mix and Primer Mix Kit, Part Number 5190-7472

SECTION 12: Ecological information

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 : 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

Regulatory information

ADR/RID / IMDG / IATA : Not regulated.

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.

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 XT2 Blocking Mix Not applicable.

XT2 Primer 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

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SECTION 15: Regulatory information

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: All components are listed or exempted.
Canada: All components are listed or exempted.
China: All components are listed or exempted.
Japan: Japan inventory (ENCS): All components are listed or exempted.
Japan inventory (ISHL): All components are listed or exempted.
Malaysia: Not determined.
New Zealand: All components are listed or exempted.
Philippines: All components are listed or exempted.
Republic of Korea: All components are listed or exempted.
Taiwan: Not determined.
Turkey: All components are listed or exempted.
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.

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]
DNEL = Derived No Effect Level
EUH statement = CLP-specific Hazard statement
PNEC = Predicted No Effect Concentration
RRN = REACH Registration Number

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

<table>
<thead>
<tr>
<th>Classification</th>
<th>Justification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not classified.</td>
<td></td>
</tr>
</tbody>
</table>

Date of issue/ Date of revision: 30/03/2016
Date of previous issue: No previous validation.
Version: 1

Notice to reader
SECTION 16: Other information

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