

# SAFETY DATA SHEET

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

## Section 1. Identification

### 1.1 Product identifier

**Product name** : SureSelect XT2 Pre-Capture Hybridization - Box 2 - 1 Reaction, Part Number 5190-3938  
**Part no. (chemical kit)** : 5190-3938  
**Part no.** : SureSelect RNase Block 5190-1976  
    SureSelect XT2 Hybridization Buffer 5190-4078  
    SureSelect XT2 Blocking Mix 5190-4079  
**Validation date** : 3/6/2018

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

**Material uses** : Analytical reagent.  
                                  SureSelect RNase Block 50 µl  
                                  SureSelect XT2 Hybridization Buffer 37 µl  
                                  SureSelect XT2 Blocking Mix 9 µl

### 1.3 Details of the supplier of the safety data sheet

**Supplier/Manufacturer** : Agilent Technologies, Inc.  
                                  5301 Stevens Creek Blvd  
                                  Santa Clara, CA 95051, USA  
                                  800-227-9770

### 1.4 Emergency telephone number

**In case of emergency** : CHEMTREC®: 1-800-424-9300

## Section 2. Hazards identification

### 2.1 Classification of the substance or mixture

**OSHA/HCS status** : SureSelect RNase Block This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).  
                                  SureSelect XT2 Hybridization Buffer This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).  
                                  SureSelect XT2 Blocking Mix While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

### Classification of the substance or mixture

**SureSelect RNase Block**  
 H320 EYE IRRITATION - Category 2B  
  
**SureSelect XT2 Hybridization Buffer**  
 H319 EYE IRRITATION - Category 2A

## Section 2. Hazards identification

|  |  |  |
|--|--|--|
| <b>Ingredients of unknown toxicity</b> | <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> SureSelect RNase Block</li> <li><input type="checkbox"/> SureSelect XT2 Hybridization Buffer</li> </ul> | <ul style="list-style-type: none"> <li>Percentage of the mixture consisting of ingredient (s) of unknown inhalation toxicity: 30 - 60%</li> <li>Percentage of the mixture consisting of ingredient (s) of unknown dermal toxicity: 1 - 10%</li> <li>Percentage of the mixture consisting of ingredient (s) of unknown inhalation toxicity: 10 - 30%</li> <li>Percentage of the mixture consisting of ingredient (s) of unknown oral toxicity: 1 - 10%</li> </ul> |
|--|--|--|

### 2.2 GHS label elements

|                                    |  |   |
|------------------------------------|--|---|
| <b>Hazard pictograms</b>           | <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> SureSelect XT2 Hybridization Buffer</li> </ul>  |   |
| <b>Signal word</b>                 | <ul style="list-style-type: none"> <li><input type="checkbox"/> SureSelect RNase Block</li> <li><input type="checkbox"/> SureSelect XT2 Hybridization Buffer</li> <li><input type="checkbox"/> SureSelect XT2 Blocking Mix</li> </ul>            | <ul style="list-style-type: none"> <li>Warning</li> <li>Warning</li> <li>No signal word.</li> </ul>   |
| <b>Hazard statements</b>           | <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> SureSelect RNase Block</li> <li><input type="checkbox"/> SureSelect XT2 Hybridization Buffer</li> <li><input type="checkbox"/> SureSelect XT2 Blocking Mix</li> </ul> | <ul style="list-style-type: none"> <li>H320 - Causes eye irritation.</li> <li>H319 - Causes serious eye irritation.</li> <li>No known significant effects or critical hazards.</li> </ul>   |
| <b>Precautionary statements</b>    |  |   |
| <b>Prevention</b>                  | <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> SureSelect RNase Block</li> <li><input type="checkbox"/> SureSelect XT2 Hybridization Buffer</li> <li><input type="checkbox"/> SureSelect XT2 Blocking Mix</li> </ul> | <ul style="list-style-type: none"> <li>P264 - Wash hands thoroughly after handling.</li> <li>P280 - Wear eye or face protection.</li> <li>P264 - Wash hands thoroughly after handling.</li> <li>Not applicable.</li> </ul>  |
| <b>Response</b>                    | <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> SureSelect RNase Block</li> <li><input type="checkbox"/> SureSelect XT2 Hybridization Buffer</li> <li><input type="checkbox"/> SureSelect XT2 Blocking Mix</li> </ul> | <ul style="list-style-type: none"> <li>P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</li> <li>P337 + P313 - If eye irritation persists: Get medical attention.</li> <li>P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</li> <li>P337 + P313 - If eye irritation persists: Get medical attention.</li> <li>Not applicable.</li> </ul> |
| <b>Storage</b>                     | <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> SureSelect RNase Block</li> <li><input type="checkbox"/> SureSelect XT2 Hybridization Buffer</li> <li><input type="checkbox"/> SureSelect XT2 Blocking Mix</li> </ul> | <ul style="list-style-type: none"> <li>Not applicable.</li> <li>Not applicable.</li> <li>Not applicable.</li> </ul>   |
| <b>Disposal</b>                    | <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> SureSelect RNase Block</li> <li><input type="checkbox"/> SureSelect XT2 Hybridization Buffer</li> <li><input type="checkbox"/> SureSelect XT2 Blocking Mix</li> </ul> | <ul style="list-style-type: none"> <li>Not applicable.</li> <li>Not applicable.</li> <li>Not applicable.</li> </ul>   |
| <b>Supplemental label elements</b> | <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> SureSelect RNase Block</li> <li><input type="checkbox"/> SureSelect XT2 Hybridization Buffer</li> <li><input type="checkbox"/> SureSelect XT2 Blocking Mix</li> </ul> | <ul style="list-style-type: none"> <li>None known.</li> <li>None known.</li> <li>None known.</li> </ul>   |

### 2.3 Other hazards

## Section 2. Hazards identification

|   |                                     |             |
|---|-------------------------------------|-------------|
| <b>Hazards not otherwise classified</b> | : SureSelect RNase Block            | None known. |
|   | SureSelect XT2 Hybridization Buffer | None known. |
|   | SureSelect XT2 Blocking Mix         | None known. |
|   |                                     |             |

## Section 3. Composition/information on ingredients

|                          |                                     |         |
|--------------------------|-------------------------------------|---------|
| <b>Substance/mixture</b> | : SureSelect RNase Block            | Mixture |
|                          | SureSelect XT2 Hybridization Buffer | Mixture |
|                          | SureSelect XT2 Blocking Mix         | Mixture |

| Ingredient name   | %         | CAS number |
|---|-----------|------------|
| <b>SureSelect RNase Block</b><br>Glycerol                     | ≥50 - ≤75 | 56-81-5    |
| <b>SureSelect XT2 Hybridization Buffer</b><br>Sodium chloride | ≤10       | 7647-14-5  |
| Sodium dodecyl sulphate                                       | ≤3        | 151-21-3   |
| Phosphoric acid, monosodium salt, monohydrate                 | ≤3        | 10049-21-5 |

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

**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.**

Occupational exposure limits, if available, are listed in Section 8.

## Section 4. First aid measures

### 4.1 Description of necessary first aid measures

|                    |                                     |  |
|--------------------|-------------------------------------|--|
| <b>Eye contact</b> | : SureSelect RNase Block            | 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. If irritation persists, get medical attention.  |
|                    | 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.  |
| <b>Inhalation</b>  | : SureSelect RNase Block            | 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 Hybridization Buffer | Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not  |

## Section 4. First aid measures

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. Wash clothing before reuse. Clean shoes thoroughly before reuse.

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 dentures if any. 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. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. 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 Hybridization Buffer

Wash out mouth with water. Remove dentures if any. 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. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person.

## Section 4. First aid measures

SureSelect XT2 Blocking Mix

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.  
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.

### 4.2 Most important symptoms/effects, acute and delayed

#### Potential acute health effects

|                     |  |   |
|---------------------|--|---|
| <b>Eye contact</b>  | : SureSelect RNase Block<br>SureSelect XT2 Hybridization Buffer<br>SureSelect XT2 Blocking Mix | Causes eye irritation.<br>Causes serious eye irritation.  |
| <b>Inhalation</b>   | : SureSelect RNase Block<br>SureSelect XT2 Hybridization Buffer<br>SureSelect XT2 Blocking Mix | No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards. |
| <b>Skin contact</b> | : SureSelect RNase Block<br>SureSelect XT2 Hybridization Buffer<br>SureSelect XT2 Blocking Mix | No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards. |
| <b>Ingestion</b>    | : SureSelect RNase Block<br>SureSelect XT2 Hybridization Buffer<br>SureSelect XT2 Blocking Mix | No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards. |

#### Over-exposure signs/symptoms

|                     |  |   |
|---------------------|--|---|
| <b>Eye contact</b>  | : SureSelect RNase Block<br><br>SureSelect XT2 Hybridization Buffer<br><br>SureSelect XT2 Blocking Mix | Adverse symptoms may include the following:<br>irritation<br>watering<br>redness<br>Adverse symptoms may include the following:<br><br>pain or irritation<br>watering<br>redness<br>No specific data. |
| <b>Inhalation</b>   | : SureSelect RNase Block<br>SureSelect XT2 Hybridization Buffer<br>SureSelect XT2 Blocking Mix         | No specific data.<br>No specific data.<br>No specific data.   |
| <b>Skin contact</b> | : SureSelect RNase Block<br>SureSelect XT2 Hybridization Buffer<br>SureSelect XT2 Blocking Mix         | No specific data.<br>No specific data.<br>No specific data.   |
| <b>Ingestion</b>    | : SureSelect RNase Block<br>SureSelect XT2 Hybridization Buffer<br>SureSelect XT2 Blocking Mix         | No specific data.<br>No specific data.<br>No specific data.   |

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

## Section 4. First aid measures

|                                   |  |  |
|-----------------------------------|--|--|
| <b>Notes to physician</b>         | : SureSelect RNase Block<br><br>SureSelect XT2 Hybridization Buffer<br><br>SureSelect XT2 Blocking Mix | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.<br>Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.<br>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.              |
| <b>Specific treatments</b>        | : SureSelect RNase Block<br>SureSelect XT2 Hybridization Buffer<br>SureSelect XT2 Blocking Mix         | No specific treatment.<br>No specific treatment.<br>No specific treatment.   |
| <b>Protection of first-aiders</b> | : SureSelect RNase Block<br><br>SureSelect XT2 Hybridization Buffer<br><br>SureSelect XT2 Blocking Mix | 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.<br>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.<br>No action shall be taken involving any personal risk or without suitable training. |

See toxicological information (Section 11)

## Section 5. Fire-fighting measures

### 5.1 Extinguishing media

|                                       |  |   |
|---------------------------------------|--|---|
| <b>Suitable extinguishing media</b>   | : SureSelect RNase Block<br><br>SureSelect XT2 Hybridization Buffer<br>SureSelect XT2 Blocking Mix | Use an extinguishing agent suitable for the surrounding fire.<br>Use an extinguishing agent suitable for the surrounding fire.<br>Use an extinguishing agent suitable for the surrounding fire. |
| <b>Unsuitable extinguishing media</b> | : SureSelect RNase Block<br>SureSelect XT2 Hybridization Buffer<br>SureSelect XT2 Blocking Mix     | None known.<br>None known.<br>None known.   |

### 5.2 Special hazards arising from the substance or mixture

|   |  |   |
|---|--|---|
| <b>Specific hazards arising from the chemical</b> | : SureSelect RNase Block<br><br>SureSelect XT2 Hybridization Buffer<br>SureSelect XT2 Blocking Mix | In a fire or if heated, a pressure increase will occur and the container may burst.<br>In a fire or if heated, a pressure increase will occur and the container may burst.<br>In a fire or if heated, a pressure increase will occur and the container may burst. |
| <b>Hazardous thermal decomposition products</b>   | : SureSelect RNase Block<br><br>SureSelect XT2 Hybridization Buffer                                | Decomposition products may include the following materials:<br>carbon dioxide<br>carbon monoxide<br>Decomposition products may include the following materials:<br>carbon dioxide<br>carbon monoxide  |

## Section 5. Fire-fighting measures

|                             |   |
|-----------------------------|---|
| SureSelect XT2 Blocking Mix | sulfur oxides<br>phosphorus oxides<br>halogenated compounds<br>metal oxide/oxides<br>Decomposition products may include the following materials:<br>carbon dioxide<br>carbon monoxide<br>nitrogen oxides<br>phosphorus oxides |
|-----------------------------|---|

### 5.3 Advice for firefighters

#### Special protective actions 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. |

#### 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. |
| 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. |
| 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. |

## 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 spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. 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 spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment. |



## Section 6. Accidental release measures

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 spilled material. Put on appropriate personal protective equipment.

**For emergency responders :** SureSelect RNase Block

If specialized 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 specialized 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 specialized 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 spilled 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 spilled 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 spilled 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 materials 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.



## Section 7. Handling and storage

### 7.1 Precautions for safe handling

|   |                                     |   |
|---|-------------------------------------|---|
| <b>Protective measures</b>                    | : SureSelect RNase Block            | Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor 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 Hybridization Buffer | Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor 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).   |
| <b>Advice on general occupational hygiene</b> | : 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.                                   |

### 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 unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use. |
| 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   |

## Section 7. Handling and storage

SureSelect XT2 Blocking Mix

until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use. Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

### 7.3 Specific end use(s)

|   |  |   |
|---|--|---|
| <b>Recommendations</b>                      | : SureSelect RNase Block<br>SureSelect XT2 Hybridization Buffer<br>SureSelect XT2 Blocking Mix | Industrial applications, Professional applications.<br>Industrial applications, Professional applications.<br>Industrial applications, Professional applications. |
| <b>Industrial sector specific solutions</b> | : SureSelect RNase Block<br>SureSelect XT2 Hybridization Buffer<br>SureSelect XT2 Blocking Mix | Not applicable.<br>Not applicable.<br>Not applicable.   |

## Section 8. Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational exposure limits

| Ingredient name  | Exposure limits   |
|--|---|
| SureSelect RNase Block<br>Glycerol   | <b>OSHA PEL 1989 (United States, 3/1989).</b><br>TWA: 5 mg/m <sup>3</sup> 8 hours. Form: Respirable fraction<br>TWA: 10 mg/m <sup>3</sup> 8 hours. Form: Total dust<br><b>OSHA PEL (United States, 6/2016).</b><br>TWA: 5 mg/m <sup>3</sup> 8 hours. Form: Respirable fraction<br>TWA: 15 mg/m <sup>3</sup> 8 hours. Form: Total dust |
| SureSelect XT2 Hybridization Buffer<br>Sodium chloride<br>Sodium dodecyl sulphate<br>Phosphoric acid, monosodium salt, monohydrate | None.<br>None.<br>None.   |

### 8.2 Exposure controls

|   |  |
|---|--|
| <b>Appropriate engineering controls</b> | : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.   |
| <b>Environmental exposure controls</b>  | : 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 8. Exposure controls/personal protection

### Individual protection measures

- Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
- Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: 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.

## Section 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### Appearance

|                       |                                     |                |
|-----------------------|-------------------------------------|----------------|
| <b>Physical state</b> | SureSelect RNase Block              | Liquid.        |
|                       | SureSelect XT2 Hybridization Buffer | Liquid.        |
|                       | SureSelect XT2 Blocking Mix         | Liquid.        |
| <b>Color</b>          | SureSelect RNase Block              | Not available. |
|                       | SureSelect XT2 Hybridization Buffer | Not available. |
|                       | SureSelect XT2 Blocking Mix         | Not available. |
| <b>Odor</b>           | SureSelect RNase Block              | Not available. |
|                       | SureSelect XT2 Hybridization Buffer | Not available. |
|                       | SureSelect XT2 Blocking Mix         | Not available. |
| <b>Odor threshold</b> | SureSelect RNase Block              | Not available. |
|                       | SureSelect XT2 Hybridization Buffer | Not available. |
|                       | SureSelect XT2 Blocking Mix         | Not available. |
| <b>pH</b>             | SureSelect RNase Block              | 7.6            |
|                       | SureSelect XT2 Hybridization Buffer | 7.4            |
|                       | SureSelect XT2 Blocking Mix         | 7.5            |

## Section 9. Physical and chemical properties

|   |                                     |  |
|---|-------------------------------------|--|
| <b>Melting point</b>                                | : SureSelect RNase Block            | Not available.   |
|   | SureSelect XT2 Hybridization Buffer | Not available.   |
|   | SureSelect XT2 Blocking Mix         | 0°C (32°F)   |
| <b>Boiling point</b>                                | : SureSelect RNase Block            | Not available.   |
|   | SureSelect XT2 Hybridization Buffer | Not available.   |
|   | SureSelect XT2 Blocking Mix         | 100°C (212°F)  |
| <b>Flash point</b>                                  | : SureSelect RNase Block            | Not available.   |
|   | SureSelect XT2 Hybridization Buffer | Not available.   |
|   | SureSelect XT2 Blocking Mix         | Not available.   |
| <b>Evaporation rate</b>                             | : SureSelect RNase Block            | Not available.   |
|   | SureSelect XT2 Hybridization Buffer | Not available.   |
|   | SureSelect XT2 Blocking Mix         | Not available.   |
| <b>Flammability (solid, gas)</b>                    | : SureSelect RNase Block            | Not applicable.  |
|   | SureSelect XT2 Hybridization Buffer | Not applicable.  |
|   | SureSelect XT2 Blocking Mix         | Not applicable.  |
| <b>Lower and upper explosive (flammable) limits</b> | : SureSelect RNase Block            | Not available.   |
|   | SureSelect XT2 Hybridization Buffer | Not available.   |
|   | SureSelect XT2 Blocking Mix         | Not available.   |
| <b>Vapor pressure</b>                               | : SureSelect RNase Block            | Not available.   |
|   | SureSelect XT2 Hybridization Buffer | Not available.   |
|   | SureSelect XT2 Blocking Mix         | Not available.   |
| <b>Vapor density</b>                                | : SureSelect RNase Block            | Not available.   |
|   | SureSelect XT2 Hybridization Buffer | Not available.   |
|   | SureSelect XT2 Blocking Mix         | Not available.   |
| <b>Relative density</b>                             | : SureSelect RNase Block            | Not available.   |
|   | SureSelect XT2 Hybridization Buffer | Not available.   |
|   | SureSelect XT2 Blocking Mix         | Not available.   |
| <b>Solubility</b>                                   | : SureSelect RNase Block            | Soluble in the following materials: cold water and hot water.        |
|   | SureSelect XT2 Hybridization Buffer | Easily soluble in the following materials: cold water and hot water. |
|   | SureSelect XT2 Blocking Mix         | Easily soluble in the following materials: cold water and hot water. |
| <b>Partition coefficient: n-octanol/water</b>       | : SureSelect RNase Block            | Not available.   |
|   | SureSelect XT2 Hybridization Buffer | Not available.   |
|   | SureSelect XT2 Blocking Mix         | Not available.   |
| <b>Auto-ignition temperature</b>                    | : SureSelect RNase Block            | Not available.   |
|   | SureSelect XT2 Hybridization Buffer | Not available.   |
|   | SureSelect XT2 Blocking Mix         | Not available.   |
| <b>Decomposition temperature</b>                    | : SureSelect RNase Block            | Not available.   |
|   | SureSelect XT2 Hybridization Buffer | Not available.   |
|   | SureSelect XT2 Blocking Mix         | Not available.   |

## Section 9. Physical and chemical properties

|                  |                                     |                |
|------------------|-------------------------------------|----------------|
| <b>Viscosity</b> | : SureSelect RNase Block            | Not available. |
|                  | SureSelect XT2 Hybridization Buffer | Not available. |
|                  | SureSelect XT2 Blocking Mix         | Not available. |

## Section 10. Stability and reactivity

|  |                                     |  |
|--|-------------------------------------|--|
| <b>10.1 Reactivity</b>                         | : 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.           |
| <b>10.2 Chemical stability</b>                 | : SureSelect RNase Block            | The product is stable.   |
|  | SureSelect XT2 Hybridization Buffer | The product is stable.   |
|  | SureSelect XT2 Blocking Mix         | The product is stable.   |
| <b>10.3 Possibility of hazardous reactions</b> | : 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.                      |
| <b>10.4 Conditions to avoid</b>                | : SureSelect RNase Block            | No specific data.  |
|  | SureSelect XT2 Hybridization Buffer | No specific data.  |
|  | SureSelect XT2 Blocking Mix         | No specific data.  |
| <b>10.5 Incompatible materials</b>             | : SureSelect RNase Block            | May react or be incompatible with oxidizing materials.   |
|  | SureSelect XT2 Hybridization Buffer | May react or be incompatible with oxidizing materials.   |
|  | SureSelect XT2 Blocking Mix         | May react or be incompatible with oxidizing materials.   |
| <b>10.6 Hazardous decomposition products</b>   | : 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

## Section 11. Toxicological information

| Product/ingredient name                                       | Result    | Species | Dose        | Exposure |
|---|-----------|---------|-------------|----------|
| <b>SureSelect RNase Block</b><br>Glycerol                     | LD50 Oral | Rat     | 12600 mg/kg | -        |
| <b>SureSelect XT2 Hybridization Buffer</b><br>Sodium chloride | LD50 Oral | Rat     | 3000 mg/kg  | -        |
| Sodium dodecyl sulphate                                       | LD50 Oral | Rat     | 1288 mg/kg  | -        |

### Irritation/Corrosion

| Product/ingredient name                                       | Result                   | Species    | Score | Exposure                | Observation |
|---|--------------------------|------------|-------|-------------------------|-------------|
| <b>SureSelect RNase Block</b><br>Glycerol                     | Eyes - Mild irritant     | Rabbit     | -     | 24 hours 500 milligrams | -           |
|   | Skin - Mild irritant     | Rabbit     | -     | 24 hours 500 milligrams | -           |
| <b>SureSelect XT2 Hybridization Buffer</b><br>Sodium chloride | Eyes - Moderate irritant | Rabbit     | -     | 24 hours 100 milligrams | -           |
|   | Eyes - Moderate irritant | Rabbit     | -     | 10 milligrams           | -           |
|   | Skin - Mild irritant     | Rabbit     | -     | 24 hours 500 milligrams | -           |
| Sodium dodecyl sulphate                                       | Eyes - Mild irritant     | Rabbit     | -     | 250 Micrograms          | -           |
|   | Eyes - Moderate irritant | Rabbit     | -     | 24 hours 100 milligrams | -           |
|   | Eyes - Moderate irritant | Rabbit     | -     | 10 milligrams           | -           |
|   | Skin - Mild irritant     | Guinea pig | -     | 24 hours 25 milligrams  | -           |
|   | Skin - Moderate irritant | Mouse      | -     | 24 hours 25 milligrams  | -           |
|   | Skin - Mild irritant     | Rabbit     | -     | 24 hours 50 milligrams  | -           |
|   | Skin - Moderate irritant | Rabbit     | -     | 24 hours 25 milligrams  | -           |

### Sensitization

Not available.

### Mutagenicity

**Conclusion/Summary** : Not available.

### Carcinogenicity

**Conclusion/Summary** : Not available.

### Reproductive toxicity

**Conclusion/Summary** : Not available.

### Teratogenicity

**Conclusion/Summary** : Not available.

### Specific target organ toxicity (single exposure)

## Section 11. Toxicological information

| Name  | Category   | Route of exposure | Target organs                |
|---|------------|-------------------|------------------------------|
| <b>SureSelect XT2 Hybridization Buffer</b><br>Sodium dodecyl sulphate | Category 3 | Not applicable.   | Respiratory tract irritation |
| Phosphoric acid, monosodium salt, monohydrate                         | Category 3 | Not applicable.   | Respiratory tract irritation |

### Specific target organ toxicity (repeated exposure)

Not available.

### Aspiration hazard

Not available.

### Information on the likely routes of exposure

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

Routes of entry anticipated: Oral, Dermal, Inhalation.  
Routes of entry anticipated: Oral, Dermal, Inhalation.  
Not available.

### Potential acute health effects

#### Eye contact

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

Causes eye irritation.  
Causes serious eye irritation.  
No known significant effects or critical hazards.

#### Inhalation

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

No known significant effects or critical hazards.  
No known significant effects or critical hazards.  
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.  
No known significant effects or critical hazards.  
No known significant effects or critical hazards.

#### Ingestion

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

No known significant effects or critical hazards.  
No known significant effects or critical hazards.  
No known significant effects or critical hazards.

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

#### Eye contact

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

Adverse symptoms may include the following:  
irritation  
watering  
redness  
Adverse symptoms may include the following:  
pain or irritation  
watering  
redness  
No specific data.

#### Inhalation

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

No specific data.  
No specific data.  
No specific data.



## Section 11. Toxicological information

|                     |                                     |                   |
|---------------------|-------------------------------------|-------------------|
| <b>Skin contact</b> | : SureSelect RNase Block            | No specific data. |
|                     | SureSelect XT2 Hybridization Buffer | No specific data. |
|                     | SureSelect XT2 Blocking Mix         | No specific data. |
| <b>Ingestion</b>    | : SureSelect RNase Block            | No specific data. |
|                     | SureSelect XT2 Hybridization Buffer | No specific data. |
|                     | SureSelect XT2 Blocking Mix         | No specific data. |

### Delayed and immediate effects and also chronic effects from short and long term exposure

#### Short term exposure

|                                    |                  |
|------------------------------------|------------------|
| <b>Potential immediate effects</b> | : Not available. |
| <b>Potential delayed effects</b>   | : Not available. |

#### Long term exposure

|                                    |                  |
|------------------------------------|------------------|
| <b>Potential immediate effects</b> | : Not available. |
| <b>Potential delayed effects</b>   | : Not available. |

#### Potential chronic health effects

|                              |  |   |
|------------------------------|--|---|
| <b>General</b>               | : SureSelect RNase Block<br>SureSelect XT2 Hybridization Buffer<br>SureSelect XT2 Blocking Mix | No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards. |
| <b>Carcinogenicity</b>       | : SureSelect RNase Block<br>SureSelect XT2 Hybridization Buffer<br>SureSelect XT2 Blocking Mix | No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards. |
| <b>Mutagenicity</b>          | : SureSelect RNase Block<br>SureSelect XT2 Hybridization Buffer<br>SureSelect XT2 Blocking Mix | No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards. |
| <b>Teratogenicity</b>        | : SureSelect RNase Block<br>SureSelect XT2 Hybridization Buffer<br>SureSelect XT2 Blocking Mix | No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards. |
| <b>Developmental effects</b> | : SureSelect RNase Block<br>SureSelect XT2 Hybridization Buffer<br>SureSelect XT2 Blocking Mix | No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards. |
| <b>Fertility effects</b>     | : SureSelect RNase Block<br>SureSelect XT2 Hybridization Buffer<br>SureSelect XT2 Blocking Mix | No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards. |

### Numerical measures of toxicity

#### Acute toxicity estimates

| <b>Route</b>                               | <b>ATE value</b> |
|--|------------------|
| <b>SureSelect XT2 Hybridization Buffer</b> |                  |
| Oral                                       | 19924.5 mg/kg    |
| Inhalation (dusts and mists)               | 50.71 mg/l       |

## Section 12. Ecological information

### 12.1 Toxicity

| Product/ingredient name                                       | Result                                    | Species   | Exposure |
|---|---|---|----------|
| <b>SureSelect RNase Block</b><br>Glycerol                     | Acute LC50 54000 mg/l Fresh water         | Fish - Oncorhynchus mykiss  | 96 hours |
| <b>SureSelect XT2 Hybridization Buffer</b><br>Sodium chloride | Acute EC50 4.74 g/L Fresh water           | Algae - Chlamydomonas reinhardtii   | 96 hours |
| Sodium dodecyl sulphate                                       | Acute EC50 519.6 mg/l Fresh water         | Crustaceans - Cypris subglobosa   | 48 hours |
|   | Acute EC50 402600 µg/l Fresh water        | Daphnia - Daphnia magna   | 48 hours |
|   | Acute IC50 6.87 g/L Fresh water           | Aquatic plants - Lemna minor  | 96 hours |
|   | Acute LC50 1000000 µg/l Fresh water       | Fish - Morone saxatilis - Larvae  | 96 hours |
|   | Chronic LC10 781 mg/l Fresh water         | Crustaceans - Hyalella azteca - Juvenile (Fledgling, Hatchling, Weanling) | 3 weeks  |
|   | Chronic NOEC 6 g/L Fresh water            | Aquatic plants - Lemna minor  | 96 hours |
|   | Chronic NOEC 0.314 g/L Fresh water        | Daphnia - Daphnia pulex   | 21 days  |
|   | Chronic NOEC 100 mg/l Fresh water         | Fish - Gambusia holbrooki - Adult   | 8 weeks  |
|   | Acute EC50 1200 µg/l Marine water         | Algae - Skeletonema costatum  | 96 hours |
|   | Acute LC50 900 µg/l Marine water          | Crustaceans - Artemia salina - Adult                                      | 48 hours |
| Acute LC50 1400 µg/l Fresh water                              | Daphnia - Daphnia pulex - Neonate         | 48 hours  |          |
| Acute LC50 590 µg/l Fresh water                               | Fish - Cirrhinus mrigala - Larvae         | 96 hours  |          |
| Chronic NOEC 1.25 mg/l Marine water                           | Algae - Ulva fasciata - Zoa               | 96 hours  |          |
| Chronic NOEC 1 mg/l Fresh water                               | Crustaceans - Pseudosida ramosa - Neonate | 21 days   |          |
| Chronic NOEC 3.2 mg/l Fresh water                             | Daphnia - Daphnia magna - Neonate         | 21 days   |          |
| Chronic NOEC >1357 µg/l Fresh water                           | Fish - Pimephales promelas                | 42 days   |          |

### 12.2 Persistence and degradability

| Product/ingredient name                   | Test   | Result         | Dose | Inoculum |
|---|--|----------------|------|----------|
| <b>SureSelect RNase Block</b><br>Glycerol | 301D Ready Biodegradability - Closed Bottle Test | 93 % - 30 days | -    | -        |

### 12.3 Bioaccumulative potential

| Product/ingredient name   | LogP <sub>ow</sub> | BCF | Potential |
|---|--------------------|-----|-----------|
| <b>SureSelect RNase Block</b><br>Glycerol                             | -1.76              | -   | low       |
| <b>SureSelect XT2 Hybridization Buffer</b><br>Sodium dodecyl sulphate | -2.03              | -   | low       |

### 12.4 Mobility in soil

Soil/water partition coefficient (K<sub>oc</sub>) : Not available.

## Section 12. Ecological information

**12.5 Other adverse effects** : No known significant effects or critical hazards.

## Section 13. Disposal considerations

### 13.1 Waste treatment methods

**Disposal methods** : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. 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 spilled material and runoff and contact with soil, waterways, drains and sewers.

Disposal should be in accordance with applicable regional, national and local laws and regulations. Local regulations may be more stringent than regional or national requirements.

The information presented below only applies to the material as supplied. The identification based on characteristic(s) or listing may not apply if the material has been used or otherwise contaminated. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.

## Section 14. Transport information

**DOT / TDG / Mexico / IMDG / IATA** : Not regulated.

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

**Transport in bulk according to Annex II of MARPOL and the IBC Code** : Not available.

## Section 15. Regulatory information

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

**U.S. Federal regulations** : TSCA 8(a) CDR Exempt/Partial exemption: Not determined  
Clean Water Act (CWA) 311: Potassium hydroxide; Edetic acid; Sodium hydroxide

**Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs)** : Not listed

**Clean Air Act Section 602 Class I Substances** : Not listed

## Section 15. Regulatory information

**Clean Air Act Section 602 Class II Substances** : Not listed

**DEA List I Chemicals (Precursor Chemicals)** : Not listed

**DEA List II Chemicals (Essential Chemicals)** : Not listed

### SARA 302/304

#### Composition/information on ingredients

No products were found.

**SARA 304 RQ** : Not applicable.

### SARA 311/312

**Classification** :

|                                     |                              |
|-------------------------------------|------------------------------|
| SureSelect RNase Block              | EYE IRRITATION - Category 2B |
| SureSelect XT2 Hybridization Buffer | EYE IRRITATION - Category 2A |
| SureSelect XT2 Blocking Mix         | Not applicable.              |

#### Composition/information on ingredients

| Name  | %         | Classification   |
|---|-----------|--|
| SureSelect RNase Block                        |           |  |
| Glycerol                                      | ≥50 - ≤75 | EYE IRRITATION - Category 2A   |
| SureSelect XT2 Hybridization Buffer           |           |  |
| Sodium chloride                               | ≤10       | EYE IRRITATION - Category 2A   |
| Sodium dodecyl sulphate                       | ≤3        | FLAMMABLE SOLIDS - Category 2<br>ACUTE TOXICITY (oral) - Category 4<br>ACUTE TOXICITY (inhalation) - Category 4<br>SKIN IRRITATION - Category 2<br>SERIOUS EYE DAMAGE - Category 1<br>SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 |
| Phosphoric acid, monosodium salt, monohydrate | ≤3        | SKIN IRRITATION - Category 2<br>EYE IRRITATION - Category 2A<br>SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3   |

### State regulations

**Massachusetts** : The following components are listed: GLYCERINE MIST

**New York** : None of the components are listed.

**New Jersey** : The following components are listed: GLYCERIN; 1,2,3-PROPANETRIOL

**Pennsylvania** : The following components are listed: 1,2,3-PROPANETRIOL

### International regulations

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

Not listed.

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

Not listed.

#### Stockholm Convention on Persistent Organic Pollutants

Not listed.

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

Not listed.

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

## Section 15. Regulatory information

Not listed.

### Inventory list

|                          |  |
|--------------------------|--|
| <b>Australia</b>         | : Not determined.  |
| <b>Canada</b>            | : <input checked="" type="checkbox"/> Not determined.  |
| <b>China</b>             | : All components are listed or exempted.   |
| <b>Europe</b>            | : All components are listed or exempted.   |
| <b>Japan</b>             | : <b>Japan inventory (ENCS):</b> Not determined.<br><b>Japan inventory (ISHL):</b> Not determined. |
| <b>Malaysia</b>          | : Not determined.  |
| <b>New Zealand</b>       | : <input checked="" type="checkbox"/> Not determined.  |
| <b>Philippines</b>       | : Not determined.  |
| <b>Republic of Korea</b> | : Not determined.  |
| <b>Taiwan</b>            | : All components are listed or exempted.   |
| <b>Thailand</b>          | : <input checked="" type="checkbox"/> Not determined.  |
| <b>Turkey</b>            | : Not determined.  |
| <b>United States</b>     | : All components are listed or exempted.   |
| <b>Viet Nam</b>          | : <input checked="" type="checkbox"/> Not determined.  |

## Section 16. Other information

### History

|                               |              |
|-------------------------------|--------------|
| <b>Date of issue</b>          | : 03/06/2018 |
| <b>Date of previous issue</b> | : 02/29/2016 |
| <b>Version</b>                | : 3          |

### Procedure used to derive the classification

| Classification   | Justification      |
|--|--------------------|
| <b>SureSelect RNase Block</b><br>EYE IRRITATION - Category 2B              | Calculation method |
| <b>SureSelect XT2 Hybridization Buffer</b><br>EYE IRRITATION - Category 2A | Calculation method |

Indicates information that has changed from previously issued version.

### Notice to reader

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