SAFETY DATA SHEET

SureSelect XT HS2 Index Primer Pairs 1-16 for ILM (Pre PCR), Part Number 5191-5687

Section 1. Identification

Product identifier : SureSelect XT HS2 Index Primer Pairs 1-16 for ILM (Pre PCR), Part Number 5191-5687

Part no. (chemical kit) : 5191-5687

Part no. : SSEL XT HS2 Primer Pairs 1-8 Strip 5191-5692
SSEL XT HS2 Primer Pairs 9-16 Strip 5191-5693

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

Identified uses : Analytical reagent.
For research use only.

Uses advised against : Not for use in diagnostic procedures.

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

Emergency telephone number (with hours of operation) : CHEMTREC®: 1-800-424-9300

Section 2. Hazard identification

Classification of the substance or mixture

Not classified.

GHS label elements

Signal word : SSEL XT HS2 Primer Pairs 1-8 Strip
No signal word.
SSEL XT HS2 Primer Pairs 9-16 Strip
No signal word.

Hazard statements : SSEL XT HS2 Primer Pairs 1-8 Strip
No known significant effects or critical hazards.
SSEL XT HS2 Primer Pairs 9-16 Strip
No known significant effects or critical hazards.

Precautionary statements

Prevention : SSEL XT HS2 Primer Pairs 1-8 Strip
Not applicable.
SSEL XT HS2 Primer Pairs 9-16 Strip
Not applicable.

Response : SSEL XT HS2 Primer Pairs 1-8 Strip
Not applicable.
SSEL XT HS2 Primer Pairs 9-16 Strip
Not applicable.

Storage : SSEL XT HS2 Primer Pairs 1-8 Strip
Not applicable.
SSEL XT HS2 Primer Pairs 9-16 Strip
Not applicable.

Date of issue/Date of revision : 10/21/2022
Date of previous issue : 12/18/2019
Version : 2
Section 2. Hazard identification

Disposal: SSEL XT HS2 Primer Pairs 1-8 Strip Not applicable.
         SSEL XT HS2 Primer Pairs 9-16 Strip Not applicable.

Supplemental label elements: SSEL XT HS2 Primer Pairs 1-8 Strip None known.
                           SSEL XT HS2 Primer Pairs 9-16 Strip None known.

Other hazards which do not result in classification: SSEL XT HS2 Primer Pairs 1-8 Strip None known.
                                                   SSEL XT HS2 Primer Pairs 9-16 Strip None known.

Section 3. Composition/information on ingredients

Substance/mixture: SSEL XT HS2 Primer Pairs 1-8 Strip Mixture
                   SSEL XT HS2 Primer Pairs 9-16 Strip Mixture

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified and hence require reporting in this section.

Section 4. First-aid measures

Description of necessary first aid measures

Eye contact: SSEL XT HS2 Primer Pairs 1-8 Strip
             Immediatly 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.
             SSEL XT HS2 Primer Pairs 9-16 Strip
             Immediatly flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.

Inhalation: SSEL XT HS2 Primer Pairs 1-8 Strip
            Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
            SSEL XT HS2 Primer Pairs 9-16 Strip
            Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

Skin contact: SSEL XT HS2 Primer Pairs 1-8 Strip
              Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
              SSEL XT HS2 Primer Pairs 9-16 Strip
              Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

Ingestion: SSEL XT HS2 Primer Pairs 1-8 Strip
           Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
           SSEL XT HS2 Primer Pairs 9-16 Strip
           Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

Most important symptoms/effects, acute and delayed
Potential acute health effects

Date of issue/Date of revision: 10/21/2022  Date of previous issue: 12/18/2019  Version: 2  2/13
Section 4. First-aid measures

### Eye contact
- **SSEL XT HS2 Primer Pairs 1-8 Strip**
- **SSEL XT HS2 Primer Pairs 9-16 Strip**

No known significant effects or critical hazards.

### Inhalation
- **SSEL XT HS2 Primer Pairs 1-8 Strip**
- **SSEL XT HS2 Primer Pairs 9-16 Strip**

No known significant effects or critical hazards.

### Skin contact
- **SSEL XT HS2 Primer Pairs 1-8 Strip**
- **SSEL XT HS2 Primer Pairs 9-16 Strip**

No known significant effects or critical hazards.

### Ingestion
- **SSEL XT HS2 Primer Pairs 1-8 Strip**
- **SSEL XT HS2 Primer Pairs 9-16 Strip**

No known significant effects or critical hazards.

### Over-exposure signs/symptoms

#### Eye contact
- **SSEL XT HS2 Primer Pairs 1-8 Strip**
- **SSEL XT HS2 Primer Pairs 9-16 Strip**

No specific data.

#### Inhalation
- **SSEL XT HS2 Primer Pairs 1-8 Strip**
- **SSEL XT HS2 Primer Pairs 9-16 Strip**

No specific data.

#### Skin contact
- **SSEL XT HS2 Primer Pairs 1-8 Strip**
- **SSEL XT HS2 Primer Pairs 9-16 Strip**

No specific data.

#### Ingestion
- **SSEL XT HS2 Primer Pairs 1-8 Strip**
- **SSEL XT HS2 Primer Pairs 9-16 Strip**

No specific data.

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

#### Notes to physician
- **SSEL XT HS2 Primer Pairs 1-8 Strip**
- **SSEL XT HS2 Primer Pairs 9-16 Strip**

Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

#### Specific treatments
- **SSEL XT HS2 Primer Pairs 1-8 Strip**
- **SSEL XT HS2 Primer Pairs 9-16 Strip**

No specific treatment.

#### Protection of first-aiders
- **SSEL XT HS2 Primer Pairs 1-8 Strip**
- **SSEL XT HS2 Primer Pairs 9-16 Strip**

No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)
### Section 5. Fire-fighting measures

**Extinguishing media**

<table>
<thead>
<tr>
<th>Suitable extinguishing media</th>
<th>SSEL XT HS2 Primer Pairs 1-8 Strip</th>
<th>Use an extinguishing agent suitable for the surrounding fire.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>SSEL XT HS2 Primer Pairs 9-16 Strip</td>
<td>Use an extinguishing agent suitable for the surrounding fire.</td>
</tr>
<tr>
<td>Unsuitable extinguishing media</td>
<td>SSEL XT HS2 Primer Pairs 1-8 Strip</td>
<td>None known.</td>
</tr>
<tr>
<td></td>
<td>SSEL XT HS2 Primer Pairs 9-16 Strip</td>
<td>None known.</td>
</tr>
</tbody>
</table>

**Specific hazards arising from the chemical**

| SSEL XT HS2 Primer Pairs 1-8 Strip | In a fire or if heated, a pressure increase will occur and the container may burst. |
| SSEL XT HS2 Primer Pairs 9-16 Strip | In a fire or if heated, a pressure increase will occur and the container may burst. |

**Hazardous thermal decomposition products**

<table>
<thead>
<tr>
<th>SSEL XT HS2 Primer Pairs 1-8 Strip</th>
<th>No specific data.</th>
</tr>
</thead>
<tbody>
<tr>
<td>SSEL XT HS2 Primer Pairs 9-16 Strip</td>
<td>No specific data.</td>
</tr>
</tbody>
</table>

**Special protective actions for fire-fighters**

<table>
<thead>
<tr>
<th>SSEL XT HS2 Primer Pairs 1-8 Strip</th>
<th>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.</th>
</tr>
</thead>
<tbody>
<tr>
<td>SSEL XT HS2 Primer Pairs 9-16 Strip</td>
<td>Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.</td>
</tr>
</tbody>
</table>

**Special protective equipment for fire-fighters**

<table>
<thead>
<tr>
<th>SSEL XT HS2 Primer Pairs 1-8 Strip</th>
<th>Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.</th>
</tr>
</thead>
<tbody>
<tr>
<td>SSEL XT HS2 Primer Pairs 9-16 Strip</td>
<td>Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.</td>
</tr>
</tbody>
</table>

### Section 6. Accidental release measures

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

**For non-emergency personnel**

<table>
<thead>
<tr>
<th>SSEL XT HS2 Primer Pairs 1-8 Strip</th>
<th>No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.</th>
</tr>
</thead>
<tbody>
<tr>
<td>SSEL XT HS2 Primer Pairs 9-16 Strip</td>
<td>No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.</td>
</tr>
</tbody>
</table>
## Section 6. Accidental release measures

<table>
<thead>
<tr>
<th>For emergency responders</th>
<th>SSEL XT HS2 Primer Pairs 1-8 Strip</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>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 &quot;For non-emergency personnel&quot;.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SSEL XT HS2 Primer Pairs 9-16 Strip</th>
</tr>
</thead>
<tbody>
<tr>
<td>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 &quot;For non-emergency personnel&quot;.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Environmental precautions</th>
<th>SSEL XT HS2 Primer Pairs 1-8 Strip</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>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).</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SSEL XT HS2 Primer Pairs 9-16 Strip</th>
</tr>
</thead>
<tbody>
<tr>
<td>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).</td>
</tr>
</tbody>
</table>

### Methods for cleaning up

<table>
<thead>
<tr>
<th>Methods for cleaning up</th>
<th>SSEL XT HS2 Primer Pairs 1-8 Strip</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></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SSEL XT HS2 Primer Pairs 9-16 Strip</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>
</tr>
</tbody>
</table>

## Section 7. Handling and storage

### Precautions for safe handling

#### Protective measures

<table>
<thead>
<tr>
<th>SSEL XT HS2 Primer Pairs 1-8 Strip</th>
</tr>
</thead>
<tbody>
<tr>
<td>Put on appropriate personal protective equipment (see Section 8).</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SSEL XT HS2 Primer Pairs 9-16 Strip</th>
</tr>
</thead>
<tbody>
<tr>
<td>Put on appropriate personal protective equipment (see Section 8).</td>
</tr>
</tbody>
</table>

### Advice on general occupational hygiene

<table>
<thead>
<tr>
<th>SSEL XT HS2 Primer Pairs 1-8 Strip</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>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SSEL XT HS2 Primer Pairs 9-16 Strip</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>
</tr>
</tbody>
</table>
### Section 7. Handling and storage

<table>
<thead>
<tr>
<th>Conditions for safe storage, including any incompatibilities</th>
<th>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.</th>
</tr>
</thead>
<tbody>
<tr>
<td>SSEL XT HS2 Primer Pairs 1-8 Strip</td>
<td>Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.</td>
</tr>
<tr>
<td>SSEL XT HS2 Primer Pairs 9-16 Strip</td>
<td>Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.</td>
</tr>
</tbody>
</table>

### Section 8. Exposure controls/personal protection

**Control parameters**

**Occupational exposure limits**

None.

**Biological exposure indices**

None known.

**Appropriate engineering controls**

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

**Environmental exposure controls**

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

**Individual protection measures**

**Hygiene measures**

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

**Eye/face protection**

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

**Skin protection**

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.
Section 8. Exposure controls/personal protection

**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 and safety characteristics

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

**Appearance**

<table>
<thead>
<tr>
<th>Property</th>
<th>SSEL XT HS2 Primer Pairs 1-8 Strip</th>
<th>SSEL XT HS2 Primer Pairs 9-16 Strip</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Liquid</td>
<td>Liquid</td>
</tr>
<tr>
<td>Color</td>
<td>Not available.</td>
<td>Not available.</td>
</tr>
<tr>
<td>Odor</td>
<td>Not available.</td>
<td>Not available.</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>Not available.</td>
<td>Not available.</td>
</tr>
<tr>
<td>pH</td>
<td>7.5</td>
<td>7.5</td>
</tr>
<tr>
<td>Melting point/freezing point</td>
<td>0°C (32°F)</td>
<td>0°C (32°F)</td>
</tr>
<tr>
<td>Boiling point, initial boiling point, and boiling range</td>
<td>100°C (212°F)</td>
<td>100°C (212°F)</td>
</tr>
<tr>
<td>Flash point</td>
<td>Not available.</td>
<td>Not available.</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>Not available.</td>
<td>Not available.</td>
</tr>
<tr>
<td>Flammability</td>
<td>Not applicable.</td>
<td>Not applicable.</td>
</tr>
</tbody>
</table>
### Section 9. Physical and chemical properties and safety characteristics

#### Lower and upper explosion limit/flammability limit

- SSEL XT HS2 Primer Pairs 1-8 Strip
- SSEL XT HS2 Primer Pairs 9-16 Strip

#### Vapor pressure

<table>
<thead>
<tr>
<th>Ingredient name</th>
<th>Vapor Pressure at 20°C</th>
<th>Vapor pressure at 50°C</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>mm Hg</td>
<td>kPa</td>
</tr>
<tr>
<td>SSEL XT HS2 Primer Pairs 1-8 Strip</td>
<td>water</td>
<td>23.8</td>
</tr>
<tr>
<td>SSEL XT HS2 Primer Pairs 9-16 Strip</td>
<td>water</td>
<td>23.8</td>
</tr>
</tbody>
</table>

#### Relative vapor density

- SSEL XT HS2 Primer Pairs 1-8 Strip
- SSEL XT HS2 Primer Pairs 9-16 Strip

#### Relative density

- SSEL XT HS2 Primer Pairs 1-8 Strip
- SSEL XT HS2 Primer Pairs 9-16 Strip

#### Solubility(ies)

<table>
<thead>
<tr>
<th>Media</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>water</td>
<td>Soluble</td>
</tr>
<tr>
<td>water</td>
<td>Soluble</td>
</tr>
</tbody>
</table>

#### Partition coefficient: n-octanol/water

- SSEL XT HS2 Primer Pairs 1-8 Strip
- SSEL XT HS2 Primer Pairs 9-16 Strip

#### Auto-ignition temperature

- SSEL XT HS2 Primer Pairs 1-8 Strip
- SSEL XT HS2 Primer Pairs 9-16 Strip

#### Decomposition temperature

- SSEL XT HS2 Primer Pairs 1-8 Strip
- SSEL XT HS2 Primer Pairs 9-16 Strip

#### Viscosity

- SSEL XT HS2 Primer Pairs 1-8 Strip
- SSEL XT HS2 Primer Pairs 9-16 Strip

#### Particle characteristics

*Date of issue/Date of revision*: 10/21/2022  
*Date of previous issue*: 12/18/2019  
*Version*: 2
## Section 9. Physical and chemical properties and safety characteristics

<table>
<thead>
<tr>
<th>Median particle size</th>
<th>SSEL XT HS2 Primer Pairs 1-8 Strip</th>
<th>Not applicable.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>SSEL XT HS2 Primer Pairs 9-16 Strip</td>
<td>Not applicable.</td>
</tr>
</tbody>
</table>

## Section 10. Stability and reactivity

### Reactivity

| SSEL XT HS2 Primer Pairs 1-8 Strip | No specific test data related to reactivity available for this product or its ingredients. |
| SSEL XT HS2 Primer Pairs 9-16 Strip | No specific test data related to reactivity available for this product or its ingredients. |

### Chemical stability

| SSEL XT HS2 Primer Pairs 1-8 Strip | The product may not be stable under certain conditions of storage or use. See "Possibility of Hazardous Reactions" for further information. |
| SSEL XT HS2 Primer Pairs 9-16 Strip | The product may not be stable under certain conditions of storage or use. See "Possibility of Hazardous Reactions" for further information. |

### Possibility of hazardous reactions

| SSEL XT HS2 Primer Pairs 1-8 Strip | Under normal conditions of storage and use, hazardous reactions will not occur. |
| SSEL XT HS2 Primer Pairs 9-16 Strip | Under normal conditions of storage and use, hazardous reactions will not occur. |

### Conditions to avoid

| SSEL XT HS2 Primer Pairs 1-8 Strip | No specific data. |
| SSEL XT HS2 Primer Pairs 9-16 Strip | No specific data. |

### Incompatible materials

| SSEL XT HS2 Primer Pairs 1-8 Strip | May react or be incompatible with oxidizing materials. |
| SSEL XT HS2 Primer Pairs 9-16 Strip | May react or be incompatible with oxidizing materials. |

### Hazardous decomposition products

| SSEL XT HS2 Primer Pairs 1-8 Strip | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| SSEL XT HS2 Primer Pairs 9-16 Strip | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |

## Section 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

Not available.

#### Irritation/Corrosion

Not available.

#### Sensitization

Not available.

#### Mutagenicity

Not available.

#### Conclusion/Summary

Not available.

#### Carcinogenicity

Not available.

---

**Date of issue/Date of revision**: 10/21/2022  **Date of previous issue**: 12/18/2019  **Version**: 2
Section 11. Toxicological information

**Conclusion/Summary**
- Not available.

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

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

**Specific target organ toxicity (single exposure)**
- Not available.

**Specific target organ toxicity (repeated exposure)**
- Not available.

**Aspiration hazard**
- Not available.

**Information on the likely routes of exposure**
- SSEL XT HS2 Primer Pairs 1-8 Strip: Not available.
- SSEL XT HS2 Primer Pairs 9-16 Strip: Not available.

**Potential acute health effects**

**Eye contact**
- SSEL XT HS2 Primer Pairs 1-8 Strip: No known significant effects or critical hazards.
- SSEL XT HS2 Primer Pairs 9-16 Strip: No known significant effects or critical hazards.

**Inhalation**
- SSEL XT HS2 Primer Pairs 1-8 Strip: No known significant effects or critical hazards.
- SSEL XT HS2 Primer Pairs 9-16 Strip: No known significant effects or critical hazards.

**Skin contact**
- SSEL XT HS2 Primer Pairs 1-8 Strip: No known significant effects or critical hazards.
- SSEL XT HS2 Primer Pairs 9-16 Strip: No known significant effects or critical hazards.

**Ingestion**
- SSEL XT HS2 Primer Pairs 1-8 Strip: No known significant effects or critical hazards.
- SSEL XT HS2 Primer Pairs 9-16 Strip: No known significant effects or critical hazards.

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

**Eye contact**
- SSEL XT HS2 Primer Pairs 1-8 Strip: No specific data.
- SSEL XT HS2 Primer Pairs 9-16 Strip: No specific data.

**Inhalation**
- SSEL XT HS2 Primer Pairs 1-8 Strip: No specific data.
- SSEL XT HS2 Primer Pairs 9-16 Strip: No specific data.

**Skin contact**
- SSEL XT HS2 Primer Pairs 1-8 Strip: No specific data.
- SSEL XT HS2 Primer Pairs 9-16 Strip: No specific data.

**Ingestion**
- SSEL XT HS2 Primer Pairs 1-8 Strip: No specific data.
- SSEL XT HS2 Primer Pairs 9-16 Strip: No specific data.
Section 11. Toxicological information

**Delayed and immediate effects and also 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: SSEL XT HS2 Primer Pairs 1-8 Strip, No known significant effects or critical hazards.
- SSEL XT HS2 Primer Pairs 9-16 Strip, No known significant effects or critical hazards.
- Carcinogenicity: SSEL XT HS2 Primer Pairs 1-8 Strip, No known significant effects or critical hazards.
- SSEL XT HS2 Primer Pairs 9-16 Strip, No known significant effects or critical hazards.
- Mutagenicity: SSEL XT HS2 Primer Pairs 1-8 Strip, No known significant effects or critical hazards.
- SSEL XT HS2 Primer Pairs 9-16 Strip, No known significant effects or critical hazards.
- Reproductive toxicity: SSEL XT HS2 Primer Pairs 1-8 Strip, No known significant effects or critical hazards.
- SSEL XT HS2 Primer Pairs 9-16 Strip, No known significant effects or critical hazards.

**Numerical measures of toxicity**

**Acute toxicity estimates**
- N/A

Section 12. Ecological information

**Toxicity**
- Not available.

**Persistence and degradability**
- Not available.

**Bioaccumulative potential**
- Not available.

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

**Other adverse effects**
- No known significant effects or critical hazards.
Section 13. Disposal considerations

Disposal methods: The generation of waste should be avoided or 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. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

TDG / 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 IMO instruments: Not available.

Section 15. Regulatory information

Canadian lists
- Canadian NPRI: None of the components are listed.
- CEPA Toxic substances: None of the components are listed.

International regulations
- UNECE Aarhus Protocol on POPs and Heavy Metals: Not listed.

Inventory list
- Australia: Not determined.
- Canada: Not determined.
- China: All components are listed or exempted.
- Eurasian Economic Union: Russian Federation inventory: Not determined.
- Japan: Japan inventory (CSCL): Not determined.
- Japan inventory (ISHL): All components are listed or exempted.
- New Zealand: Not determined.
- Philippines: Not determined.
- Republic of Korea: Not determined.

Date of issue/Date of revision: 10/21/2022
Date of previous issue: 12/18/2019
Version: 2
Section 15. Regulatory information

<table>
<thead>
<tr>
<th>Country</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Taiwan</td>
<td>All components are listed or exempted.</td>
</tr>
<tr>
<td>Thailand</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Turkey</td>
<td>Not determined.</td>
</tr>
<tr>
<td>United States</td>
<td>All components are active or exempted.</td>
</tr>
<tr>
<td>Viet Nam</td>
<td>Not determined.</td>
</tr>
</tbody>
</table>

Section 16. Other information

History

<table>
<thead>
<tr>
<th>Date of issue/Date of revision</th>
<th>10/21/2022</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date of previous issue</td>
<td>12/18/2019</td>
</tr>
<tr>
<td>Version</td>
<td>2</td>
</tr>
</tbody>
</table>

Key to abbreviations

ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
HPR = Hazardous Products Regulations
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
N/A = Not available
UN = United Nations

Procedure used to derive the classification

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

Indicates information that has changed from previously issued version.

Notice to reader

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