Section 1. Identification

1.1 Product identifier
Product name: 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
Validation date: 10/21/2022

1.2 Relevant identified uses of the substance or mixture and uses advised against
Identified uses: Analytical reagent.
For research use only.

Uses advised against: Not for use in diagnostic procedures.

1.3 Details of the supplier of the safety data sheet
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: SSEL XT HS2 Primer Pairs 1-8 Strip
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.

SSEL XT HS2 Primer Pairs 9-16 Strip
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
Not classified.

2.2 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.

Date of issue: 10/21/2022
Section 2. Hazards identification

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.

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.

2.3 Other hazards

Hazards not otherwise classified:
- 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

4.1 Description of necessary first aid measures

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

Inhalation:
- 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.
Section 4. First aid measures

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

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

4.2 Most important symptoms/effects, acute and delayed

Potential acute health effects

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

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

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

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

Over-exposure signs/symptoms

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

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

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

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

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

Date of issue: 10/21/2022
## Section 4. First aid measures

<table>
<thead>
<tr>
<th>Notes to physician</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></td>
<td>Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.</td>
<td>Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Specific treatments</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></td>
<td>No specific treatment.</td>
<td>No specific treatment.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Protection of first-aiders</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></td>
<td>No action shall be taken involving any personal risk or without suitable training.</td>
<td>No action shall be taken involving any personal risk or without suitable training.</td>
</tr>
</tbody>
</table>

See toxicological information (Section 11)

## Section 5. Fire-fighting measures

### 5.1 Extinguishing media

<table>
<thead>
<tr>
<th>Suitable extinguishing media</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></td>
<td>Use an extinguishing agent suitable for the surrounding fire.</td>
<td>Use an extinguishing agent suitable for the surrounding fire.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Unsuitable extinguishing media</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></td>
<td>None known.</td>
<td>None known.</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Specific hazards arising from the chemical</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>In a fire or if heated, a pressure increase will occur and the container may burst.</td>
<td>In a fire or if heated, a pressure increase will occur and the container may burst.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Hazardous thermal decomposition products</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>No specific data.</td>
<td>No specific data.</td>
<td></td>
</tr>
</tbody>
</table>

### 5.3 Advice for firefighters

<table>
<thead>
<tr>
<th>Special protective actions for fire-fighters</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>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>
<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>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Special protective equipment for fire-fighters</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>Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.</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>
<td></td>
</tr>
</tbody>
</table>

Date of issue: 10/21/2022
Section 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel:
- 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. 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:
- SSEL XT HS2 Primer Pairs 1-8 Strip
- SSEL XT HS2 Primer Pairs 9-16 Strip

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

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

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

Protective measures:
- SSEL XT HS2 Primer Pairs 1-8 Strip
- SSEL XT HS2 Primer Pairs 9-16 Strip

Put on appropriate personal protective equipment (see Section 8).
Section 7. Handling and storage

Advice on general occupational hygiene

SSEL XT HS2 Primer Pairs 1-8 Strip
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.

SSEL XT HS2 Primer Pairs 9-16 Strip
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

SSEL XT HS2 Primer Pairs 1-8 Strip
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.

SSEL XT HS2 Primer Pairs 9-16 Strip
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)

Recommendations

SSEL XT HS2 Primer Pairs 1-8 Strip
Industrial applications, Professional applications.

SSEL XT HS2 Primer Pairs 9-16 Strip
Industrial applications, Professional applications.

Industrial sector specific solutions

SSEL XT HS2 Primer Pairs 1-8 Strip
Not available.

SSEL XT HS2 Primer Pairs 9-16 Strip
Not available.

Section 8. Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

<table>
<thead>
<tr>
<th>Ingredient name</th>
<th>Exposure limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>None.</td>
<td></td>
</tr>
</tbody>
</table>

Biological exposure indices

Date of issue: 10/21/2022
Section 8. Exposure controls/personal protection

No exposure indices known.

8.2 Exposure controls

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

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.

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

Physical state: SSEL XT HS2 Primer Pairs 1-8 Strip Liquid.
SSEL XT HS2 Primer Pairs 9-16 Strip Liquid.

Color: SSEL XT HS2 Primer Pairs 1-8 Strip Not available.
SSEL XT HS2 Primer Pairs 9-16 Strip Not available.

Odor: SSEL XT HS2 Primer Pairs 1-8 Strip Not available.
SSEL XT HS2 Primer Pairs 9-16 Strip Not available.

Date of issue: 10/21/2022
Section 9. Physical and chemical properties and safety characteristics

<table>
<thead>
<tr>
<th>Odor threshold</th>
<th>SSEL XT HS2 Primer Pairs 1-8 Strip</th>
<th>Not available.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>SSEL XT HS2 Primer Pairs 9-16 Strip</td>
<td>Not available.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>pH</th>
<th>SSEL XT HS2 Primer Pairs 1-8 Strip</th>
<th>0°C (32°F)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>SSEL XT HS2 Primer Pairs 9-16 Strip</td>
<td>0°C (32°F)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Melting point/freezing point</th>
<th>SSEL XT HS2 Primer Pairs 1-8 Strip</th>
<th>0°C (32°F)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>SSEL XT HS2 Primer Pairs 9-16 Strip</td>
<td>0°C (32°F)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Boiling point, initial boiling point, and boiling range</th>
<th>SSEL XT HS2 Primer Pairs 1-8 Strip</th>
<th>100°C (212°F)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>SSEL XT HS2 Primer Pairs 9-16 Strip</td>
<td>100°C (212°F)</td>
</tr>
</tbody>
</table>

| Flash point | SSEL XT HS2 Primer Pairs 1-8 Strip | Not available. |
|            | SSEL XT HS2 Primer Pairs 9-16 Strip| Not available. |

| Evaporation rate | SSEL XT HS2 Primer Pairs 1-8 Strip | Not available. |
|                 | SSEL XT HS2 Primer Pairs 9-16 Strip| Not available. |

| Flammability | SSEL XT HS2 Primer Pairs 1-8 Strip | Not applicable. |
|             | SSEL XT HS2 Primer Pairs 9-16 Strip| Not applicable. |

| Lower and upper explosion limit/flammability limit | SSEL XT HS2 Primer Pairs 1-8 Strip | Not available. |
|                                                  | SSEL XT HS2 Primer Pairs 9-16 Strip| Not available. |

| Vapor pressure | SSEL XT HS2 Primer Pairs 1-8 Strip | Not available. |
|               | SSEL XT HS2 Primer Pairs 9-16 Strip| Not available. |

<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>water</td>
<td>23.8</td>
<td>3.2</td>
</tr>
<tr>
<td>water</td>
<td>23.8</td>
<td>3.2</td>
</tr>
</tbody>
</table>

| Relative vapor density | SSEL XT HS2 Primer Pairs 1-8 Strip | Not available. |
|                       | SSEL XT HS2 Primer Pairs 9-16 Strip| Not available. |

| Relative density     | SSEL XT HS2 Primer Pairs 1-8 Strip | Not available. |
|                     | SSEL XT HS2 Primer Pairs 9-16 Strip| Not available. |

Date of issue: 10/21/2022
**Section 9. Physical and chemical properties and safety characteristics**

<table>
<thead>
<tr>
<th>Solubility(ies)</th>
<th>Media</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SSEL XT HS2 Primer Pairs 1-8 Strip</strong></td>
<td>water</td>
<td>Soluble</td>
</tr>
<tr>
<td><strong>SSEL XT HS2 Primer Pairs 9-16 Strip</strong></td>
<td>water</td>
<td>Soluble</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Partition coefficient: n-octanol/water</th>
<th>Media</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SSEL XT HS2 Primer Pairs 1-8 Strip</strong></td>
<td>Not applicable.</td>
<td></td>
</tr>
<tr>
<td><strong>SSEL XT HS2 Primer Pairs 9-16 Strip</strong></td>
<td>Not applicable.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Auto-ignition temperature</th>
<th>Media</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SSEL XT HS2 Primer Pairs 1-8 Strip</strong></td>
<td>Not available.</td>
<td></td>
</tr>
<tr>
<td><strong>SSEL XT HS2 Primer Pairs 9-16 Strip</strong></td>
<td>Not available.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Decomposition temperature</th>
<th>Media</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SSEL XT HS2 Primer Pairs 1-8 Strip</strong></td>
<td>Not available.</td>
<td></td>
</tr>
<tr>
<td><strong>SSEL XT HS2 Primer Pairs 9-16 Strip</strong></td>
<td>Not available.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Viscosity</th>
<th>Media</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SSEL XT HS2 Primer Pairs 1-8 Strip</strong></td>
<td>Not available.</td>
<td></td>
</tr>
<tr>
<td><strong>SSEL XT HS2 Primer Pairs 9-16 Strip</strong></td>
<td>Not available.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Particle characteristics</th>
<th>Media</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SSEL XT HS2 Primer Pairs 1-8 Strip</strong></td>
<td>Not applicable.</td>
<td></td>
</tr>
<tr>
<td><strong>SSEL XT HS2 Primer Pairs 9-16 Strip</strong></td>
<td>Not applicable.</td>
<td></td>
</tr>
</tbody>
</table>

**Section 10. Stability and reactivity**

<table>
<thead>
<tr>
<th>10.1 Reactivity</th>
<th>Media</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SSEL XT HS2 Primer Pairs 1-8 Strip</strong></td>
<td>No specific test data related to reactivity available for this product or its ingredients.</td>
<td></td>
</tr>
<tr>
<td><strong>SSEL XT HS2 Primer Pairs 9-16 Strip</strong></td>
<td>No specific test data related to reactivity available for this product or its ingredients.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>10.2 Chemical stability</th>
<th>Media</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SSEL XT HS2 Primer Pairs 1-8 Strip</strong></td>
<td>The product may not be stable under certain conditions of storage or use. See &quot;Possibility of Hazardous Reactions&quot; for further information.</td>
<td></td>
</tr>
<tr>
<td><strong>SSEL XT HS2 Primer Pairs 9-16 Strip</strong></td>
<td>The product may not be stable under certain conditions of storage or use. See &quot;Possibility of Hazardous Reactions&quot; for further information.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>10.3 Possibility of hazardous reactions</th>
<th>Media</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SSEL XT HS2 Primer Pairs 1-8 Strip</strong></td>
<td>Under normal conditions of storage and use, hazardous reactions will not occur.</td>
<td></td>
</tr>
<tr>
<td><strong>SSEL XT HS2 Primer Pairs 9-16 Strip</strong></td>
<td>Under normal conditions of storage and use, hazardous reactions will not occur.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>10.4 Conditions to avoid</th>
<th>Media</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SSEL XT HS2 Primer Pairs 1-8 Strip</strong></td>
<td>No specific data.</td>
<td></td>
</tr>
<tr>
<td><strong>SSEL XT HS2 Primer Pairs 9-16 Strip</strong></td>
<td>No specific data.</td>
<td></td>
</tr>
</tbody>
</table>
Section 10. Stability and reactivity

10.5 Incompatible materials
- SSEL XT HS2 Primer Pairs 1-8 Strip
- SSEL XT HS2 Primer Pairs 9-16 Strip

10.6 Hazardous decomposition products
- SSEL XT HS2 Primer Pairs 1-8 Strip
- SSEL XT HS2 Primer Pairs 9-16 Strip

Section 11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity
Not available.

Irritation/Corrosion
Not available.

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)
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
- SSEL XT HS2 Primer Pairs 9-16 Strip

Potential acute health effects

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

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

Date of issue: 10/21/2022
### Section 11. Toxicological information

<table>
<thead>
<tr>
<th><strong>Skin contact</strong></th>
<th>SSEL XT HS2 Primer Pairs 1-8 Strip</th>
<th>No known significant effects or critical hazards.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>SSEL XT HS2 Primer Pairs 9-16 Strip</td>
<td>No known significant effects or critical hazards.</td>
</tr>
</tbody>
</table>

**Ingestion**:

<table>
<thead>
<tr>
<th>SSEL XT HS2 Primer Pairs 1-8 Strip</th>
<th>No known significant effects or critical hazards.</th>
</tr>
</thead>
<tbody>
<tr>
<td>SSEL XT HS2 Primer Pairs 9-16 Strip</td>
<td>No known significant effects or critical hazards.</td>
</tr>
</tbody>
</table>

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

**Eye contact**:

<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>

**Inhalation**:

<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>

**Skin contact**:

<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>

**Ingestion**:

<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>

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

#### Short term exposure

**Potential immediate effects**:

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

**Potential delayed effects**:

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

#### Long term exposure

**Potential immediate effects**:

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

**Potential delayed effects**:

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

### Potential chronic health effects

#### General

<table>
<thead>
<tr>
<th>SSEL XT HS2 Primer Pairs 1-8 Strip</th>
<th>No known significant effects or critical hazards.</th>
</tr>
</thead>
<tbody>
<tr>
<td>SSEL XT HS2 Primer Pairs 9-16 Strip</td>
<td>No known significant effects or critical hazards.</td>
</tr>
</tbody>
</table>

#### Carcinogenicity

<table>
<thead>
<tr>
<th>SSEL XT HS2 Primer Pairs 1-8 Strip</th>
<th>No known significant effects or critical hazards.</th>
</tr>
</thead>
<tbody>
<tr>
<td>SSEL XT HS2 Primer Pairs 9-16 Strip</td>
<td>No known significant effects or critical hazards.</td>
</tr>
</tbody>
</table>

#### Mutagenicity

<table>
<thead>
<tr>
<th>SSEL XT HS2 Primer Pairs 1-8 Strip</th>
<th>No known significant effects or critical hazards.</th>
</tr>
</thead>
<tbody>
<tr>
<td>SSEL XT HS2 Primer Pairs 9-16 Strip</td>
<td>No known significant effects or critical hazards.</td>
</tr>
</tbody>
</table>

#### Reproductive toxicity

<table>
<thead>
<tr>
<th>SSEL XT HS2 Primer Pairs 1-8 Strip</th>
<th>No known significant effects or critical hazards.</th>
</tr>
</thead>
<tbody>
<tr>
<td>SSEL XT HS2 Primer Pairs 9-16 Strip</td>
<td>No known significant effects or critical hazards.</td>
</tr>
</tbody>
</table>

### Numerical measures of toxicity

**Date of issue**: 10/21/2022
Section 11. Toxicological information

Acute toxicity estimates

N/A

Section 12. Ecological information

12.1 Toxicity
Not available.

12.2 Persistence and degradability
Not available.

12.3 Bioaccumulative potential
Not available.

12.4 Mobility in soil

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

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. 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.

Date of issue : 10/21/2022
Section 14. Transport information

DOT / TDG / Mexico / IMDG / IATA

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

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

U.S. Federal regulations

Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs) : Not listed
Clean Air Act Section 602 Class I Substances : Not listed
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
SSEL XT HS2 Primer Pairs 1-8 Strip : Not applicable.
SSEL XT HS2 Primer Pairs 9-16 Strip : Not applicable.
Composition/information on ingredients
No products were found.

State regulations
Massachusetts : None of the components are listed.
New York : None of the components are listed.
New Jersey : None of the components are listed.
Pennsylvania : None of the components are listed.
California Prop. 65
This product does not require a Safe Harbor warning under California Prop. 65.

International regulations
Chemical Weapon Convention List Schedules I, II & III Chemicals
Not listed.

Montreal Protocol

Date of issue : 10/21/2022
Section 15. Regulatory information

Not listed.

Stockholm Convention on Persistent Organic Pollutants
Not listed.

Rotterdam Convention on Prior Informed Consent (PIC)
Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals
Not listed.

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.
Taiwan: All components are listed or exempted.
Thailand: Not determined.
Turkey: Not determined.
United States: All components are active or exempted.
Viet Nam: Not determined.

Section 16. Other information

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>

History

Date of issue: 10/21/2022
Date of previous issue: 12/18/2019
Version: 2

Key to abbreviations

ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
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

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.