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

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

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

Identified uses: Analytical reagent. For research use only.
- SSEL XT HS2 Primer Pairs 1-8 Strip: 1 x 0.04 ml
- SSEL XT HS2 Primer Pairs 9-16 Strip: 1 x 0.04 ml

Uses advised against: Not for use in diagnostic procedures.

1.3 Details of the supplier of the safety data sheet

Agilent Technologies Deutschland GmbH
Hewlett-Packard-Str. 8
76337 Waldbronn
Germany
0800 603 1000
e-mail address of person responsible for this SDS: pdl-msds_author@agilent.com

1.4 Emergency telephone number

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

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

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

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

SSEL XT HS2 Primer Pairs 1-8 Strip: The product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended.
SSEL XT HS2 Primer Pairs 9-16 Strip: The product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended.

See Section 16 for the full text of the H statements declared above.
See Section 11 for more detailed information on health effects and symptoms.

2.2 Label elements

Signal word:
- SSEL XT HS2 Primer Pairs 1-8 Strip: No signal word.
- SSEL XT HS2 Primer Pairs 9-16 Strip: No signal word.
**SECTION 2: Hazards identification**

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

**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 | Not applicable. |
| SSEL XT HS2 Primer Pairs 9-16 Strip | Not applicable. |

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

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

### Special packaging requirements

| Tactile warning of danger | SSEL XT HS2 Primer Pairs 1-8 Strip | Not applicable. |
| SSEL XT HS2 Primer Pairs 9-16 Strip | Not applicable. |

### 2.3 Other hazards

**Product meets the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII**

| SSEL XT HS2 Primer Pairs 1-8 Strip | This mixture does not contain any substances that are assessed to be a PBT or a vPvB. |
| SSEL XT HS2 Primer Pairs 9-16 Strip | This mixture does not contain any substances that are assessed to be a PBT or a vPvB. |

**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**

### 3.1 Substances

| 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 as hazardous to health or the environment, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section.
SECTION 4: First aid measures

4.1 Description of 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.

**Skin contact**
- **ssel XT HS2 Primer Pairs 1-8 Strip**
  - Immediately flush eyes with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
- **ssel XT HS2 Primer Pairs 9-16 Strip**
  - Immediately flush eyes 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.

**Protection of first-aiders**
- **ssel XT HS2 Primer Pairs 1-8 Strip**
  - No action shall be taken involving any personal risk or without suitable training.
- **ssel XT HS2 Primer Pairs 9-16 Strip**
  - No action shall be taken involving any personal risk or without suitable training.

4.2 Most important symptoms and effects, both acute and delayed

**Potential acute health effects**

**Eye contact**
- **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.

**Over-exposure signs/symptoms**

**Eye contact**
- **ssel XT HS2 Primer Pairs 1-8 Strip**
  - No specific data.
- **ssel XT HS2 Primer Pairs 9-16 Strip**
  - No specific data.
SureSelect XT HS2 Index Primer Pairs 1-16 for ILM (Pre PCR), Part Number 5191-5687

SECTION 4: First aid measures

### 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.

### Notes to physician
- SSEL XT HS2 Primer Pairs 1-8 Strip: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- 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: No specific treatment.

SECTION 5: Firefighting measures

#### 5.1 Extinguishing media
- SSEL XT HS2 Primer Pairs 1-8 Strip: Use an extinguishing agent suitable for the surrounding fire.
- SSEL XT HS2 Primer Pairs 9-16 Strip: Use an extinguishing agent suitable for the surrounding fire.

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

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

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

#### 5.3 Advice for firefighters
- SSEL XT HS2 Primer Pairs 1-8 Strip: 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.
- SSEL XT HS2 Primer Pairs 9-16 Strip: 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.
SECTION 5: Firefighting measures

Special protective equipment for firefighters:
- SSEL XT HS2 Primer Pairs 1-8 Strip: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
- SSEL XT HS2 Primer Pairs 9-16 Strip: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel:
- SSEL XT HS2 Primer Pairs 1-8 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 spilt material. Put on appropriate personal protective equipment.
- 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 spilt material. Put on appropriate personal protective equipment.

For emergency responders:
- SSEL XT HS2 Primer Pairs 1-8 Strip: If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
- SSEL XT HS2 Primer Pairs 9-16 Strip: If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

6.2 Environmental precautions:
- SSEL XT HS2 Primer Pairs 1-8 Strip: Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
- SSEL XT HS2 Primer Pairs 9-16 Strip: Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

6.3 Methods and material for containment and cleaning up

Methods for cleaning up:
- SSEL XT HS2 Primer Pairs 1-8 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.
- 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.

6.4 Reference to other sections:
See Section 1 for emergency contact information.
See Section 8 for information on appropriate personal protective equipment.
See Section 13 for additional waste treatment information.
SECTION 7: Handling and storage

7.1 Precautions for safe handling

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

Advice on general occupational hygiene:
- SSEL XT HS2 Primer Pairs 1-8 Strip
- 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

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

Industrial applications, Professional applications.

Industrial sector specific solutions:
- SSEL XT HS2 Primer Pairs 1-8 Strip
- SSEL XT HS2 Primer Pairs 9-16 Strip

Not available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits
No exposure limit value known.

Biological exposure indices
None known.
SECTION 8: Exposure controls/personal protection

Recommended monitoring procedures
Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

DNELs/DMELs
No DNELs/DMELs available.

PNECs
No PNECs available

8.2 Exposure controls

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

Individual protection measures

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.

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

SECTION 9: Physical and chemical properties

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

9.1 Information on basic physical and chemical properties

Appearance

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

<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>Colour</td>
<td>Not available.</td>
<td>Not available.</td>
</tr>
<tr>
<td>Odour</td>
<td>Not available.</td>
<td>Not available.</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>Not available.</td>
<td>Not available.</td>
</tr>
<tr>
<td>Melting point/freezing point</td>
<td>0°C</td>
<td>0°C</td>
</tr>
<tr>
<td>Initial boiling point and boiling range</td>
<td>100°C</td>
<td>100°C</td>
</tr>
<tr>
<td>Flammability</td>
<td>Not applicable.</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Upper/lower flammability or explosive limits</td>
<td>Not available.</td>
<td>Not available.</td>
</tr>
<tr>
<td>Flash point</td>
<td>Not available.</td>
<td>Not available.</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>Not available.</td>
<td>Not available.</td>
</tr>
<tr>
<td>Decomposition temperature</td>
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<td>Not available.</td>
</tr>
<tr>
<td>pH</td>
<td>7.5</td>
<td>7.5</td>
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<tr>
<td>Viscosity</td>
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<td>Not available.</td>
</tr>
<tr>
<td>Solubility(ies)</td>
<td>Media</td>
<td>Result</td>
</tr>
<tr>
<td></td>
<td>SSEL XT HS2 Primer Pairs 1-8 Strip</td>
<td>Soluble</td>
</tr>
<tr>
<td></td>
<td>water</td>
<td></td>
</tr>
<tr>
<td></td>
<td>SSEL XT HS2 Primer Pairs 9-16 Strip</td>
<td>Soluble</td>
</tr>
<tr>
<td></td>
<td>water</td>
<td></td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>Not available.</td>
<td>Not applicable.</td>
</tr>
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</table>

Date of issue/Date of revision: 21/10/2022
Date of previous issue: No previous validation
Version: 1
## SECTION 9: Physical and chemical properties

### Vapour pressure

<table>
<thead>
<tr>
<th>Ingredient name</th>
<th>Vapour Pressure at 20°C</th>
<th>Vapour 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></td>
<td></td>
</tr>
<tr>
<td>water</td>
<td>23.8</td>
<td>3.2</td>
</tr>
<tr>
<td>SSEL XT HS2 Primer Pairs 9-16 Strip</td>
<td></td>
<td></td>
</tr>
<tr>
<td>water</td>
<td>23.8</td>
<td>3.2</td>
</tr>
</tbody>
</table>

### Evaporation rate

- 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.

### Vapour density

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

### Explosive properties

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

### Oxidising properties

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

### Particle characteristics

#### Median particle size

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

### 9.2 Other information

No additional information.

## SECTION 10: Stability and reactivity

### 10.1 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.

### 10.2 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.

### Date of issue/Date of revision: 21/10/2022  Date of previous issue: No previous validation  Version: 1
**SECTION 10: Stability and reactivity**

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

<table>
<thead>
<tr>
<th align="left">10.4 Conditions to avoid</th>
<th>SSEL XT HS2 Primer Pairs 1-8 Strip</th>
<th>No specific data.</th>
</tr>
</thead>
<tbody>
<tr>
<td align="left"></td>
<td>SSEL XT HS2 Primer Pairs 9-16 Strip</td>
<td>No specific data.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th align="left">10.5 Incompatible materials</th>
<th>SSEL XT HS2 Primer Pairs 1-8 Strip</th>
<th>May react or be incompatible with oxidising materials.</th>
</tr>
</thead>
<tbody>
<tr>
<td align="left"></td>
<td>SSEL XT HS2 Primer Pairs 9-16 Strip</td>
<td>May react or be incompatible with oxidising materials.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th align="left">10.6 Hazardous decomposition products</th>
<th>SSEL XT HS2 Primer Pairs 1-8 Strip</th>
<th>Under normal conditions of storage and use, hazardous decomposition products should not be produced.</th>
</tr>
</thead>
<tbody>
<tr>
<td align="left"></td>
<td>SSEL XT HS2 Primer Pairs 9-16 Strip</td>
<td>Under normal conditions of storage and use, hazardous decomposition products should not be produced.</td>
</tr>
</tbody>
</table>

**SECTION 11: Toxicological information**

<table>
<thead>
<tr>
<th align="left">11.1 Information on toxicological effects</th>
<th>SSEL XT HS2 Primer Pairs 1-8 Strip</th>
<th>Not available.</th>
</tr>
</thead>
<tbody>
<tr>
<td align="left"></td>
<td>SSEL XT HS2 Primer Pairs 9-16 Strip</td>
<td>Not available.</td>
</tr>
</tbody>
</table>

**Acute toxicity**

- Not available.

**Acute toxicity estimates**

- N/A

**Irritation/Corrosion**

- Conclusion/Summary: Not available.

**Sensitiser**

- Conclusion/Summary: 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 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**
SECTION 11: Toxicological information

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.

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.

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.

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.

Symptoms related to the physical, chemical and toxicological characteristics

Inhalation:
- **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.

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

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

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Short term exposure
- **Potential immediate effects**
  - Not available.
- **Potential delayed effects**
  - Not available.

Long term exposure
- **Potential immediate effects**
  - Not available.
- **Potential delayed effects**
  - Not available.

Potential chronic health effects

General:
- **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.

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 SECTION 11: Toxicological information

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

11.2 Information on other hazards
11.2.1 Endocrine disrupting properties
Not available.
11.2.2 Other information
Not available.

 SECTION 12: Ecological information

12.1 Toxicity
Conclusion/Summary : 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<sub>OC</sub>) : Not available.
Mobility : Not available.

12.5 Results of PBT and vPvB assessment
This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

12.6 Endocrine disrupting properties
Not available.

12.7 Other adverse effects
No known significant effects or critical hazards.

 SECTION 13: Disposal considerations

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

Hazardous waste : Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 2008/98/EC.

Packaging
Methods of disposal : The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.
SECTION 13: Disposal considerations

Special precautions: This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

<table>
<thead>
<tr>
<th>ADR/RID</th>
<th>IMDG</th>
<th>IATA</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.1 UN number or ID number</td>
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<td>Not regulated.</td>
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<td>14.2 UN proper shipping name</td>
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<td>14.3 Transport hazard class(es)</td>
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<td>14.4 Packing group</td>
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<td>-</td>
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<tr>
<td>14.5 Environmental hazards</td>
<td>No.</td>
<td>No.</td>
</tr>
</tbody>
</table>

Additional information

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

14.7 Transport in bulk according to IMO instruments: Not available.

SECTION 15: Regulatory information

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

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

Annex XIV - List of substances subject to authorisation

Annex XIV

None of the components are listed.

Substances of very high concern

None of the components are listed.

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

Not listed.

Label: SSEL XT HS2 Primer Pairs 1-8 Strip Not applicable.

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

Other EU regulations

Ozone depleting substances (1005/2009/EU)

Not listed.

Prior Informed Consent (PIC) (649/2012/EU)

Not listed.

Persistent Organic Pollutants

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SECTION 15: Regulatory information

Not listed.

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

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

Montreal Protocol
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.

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

SECTION 16: Other information

Indicates information that has changed from previously issued version.

Abbreviations and acronyms:
ATE = Acute Toxicity Estimate
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
DMEL = Derived Minimal Effect Level
DNEL = Derived No Effect Level
EUH statement = CLP-specific Hazard statement
N/A = Not available
PBT = Persistent, Bioaccumulative and Toxic
PNEC = Predicted No Effect Concentration
RRN = REACH Registration Number
vPvB = Very Persistent and Very Bioaccumulative

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]
SureSelect XT HS2 Index Primer Pairs 1-16 for ILM (Pre PCR), Part Number 5191-5687

SECTION 16: Other information

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

**Full text of abbreviated H statements**

Not applicable.

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

Not applicable.

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**Notice to reader**

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