Section 1. Identification

1.1 Product identifier

Product name : SureSelect Library Prep Module -AB - 25 Reactions, Part Number G3361B
Part No. (Chemical Kit) : G3361B
Part No. : SureSelect P1-AB 5972-3573
SureSelect P2-AB 5972-3575
SureSelect PeA-AB 5972-3577
Validation date : 10/28/2015

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

Material uses : Analytical reagent.
SureSelect P1-AB 0.65 ml
SureSelect P2-AB 0.65 ml
SureSelect PeA-AB 0.25 ml

1.3 Details of the supplier of the safety data sheet

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

1.4 Emergency telephone number

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

Section 2. Hazards identification

2.1 Classification of the substance or mixture

OSHA/HCS status : SureSelect P1-AB
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.

SureSelect P2-AB
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.

SureSelect PeA-AB
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.
Section 2. Hazards identification

**Ingredients of unknown toxicity**
- SureSelect P1-AB
- SureSelect P2-AB
- SureSelect PeA-AB

Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 5%

<table>
<thead>
<tr>
<th>Substance/mixture</th>
<th>%</th>
<th>CAS number</th>
</tr>
</thead>
<tbody>
<tr>
<td>SureSelect P1-AB</td>
<td>≥5 - &lt;10</td>
<td>25322-68-3</td>
</tr>
<tr>
<td>Polyethylene glycol</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SureSelect P2-AB</td>
<td>≥5 - &lt;10</td>
<td>25322-68-3</td>
</tr>
<tr>
<td>Polyethylene glycol</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SureSelect PeA-AB</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

2.2 GHS label elements

**Signal word**
- SureSelect P1-AB: No signal word.
- SureSelect P2-AB: No signal word.
- SureSelect PeA-AB: No signal word.

**Hazard statements**
- SureSelect P1-AB: No known significant effects or critical hazards.
- SureSelect P2-AB: No known significant effects or critical hazards.
- SureSelect PeA-AB: No known significant effects or critical hazards.

Precautionary statements

**Prevention**
- SureSelect P1-AB: Not applicable.
- SureSelect P2-AB: Not applicable.
- SureSelect PeA-AB: Not applicable.

**Response**
- SureSelect P1-AB: Not applicable.
- SureSelect P2-AB: Not applicable.
- SureSelect PeA-AB: Not applicable.

**Storage**
- SureSelect P1-AB: Not applicable.
- SureSelect P2-AB: Not applicable.
- SureSelect PeA-AB: Not applicable.

**Disposal**
- SureSelect P1-AB: Not applicable.
- SureSelect P2-AB: Not applicable.
- SureSelect PeA-AB: Not applicable.

**Supplemental label elements**
- SureSelect P1-AB: None known.
- SureSelect P2-AB: None known.
- SureSelect PeA-AB: None known.

2.3 Other hazards

**Hazards not otherwise classified**
- SureSelect P1-AB: None known.
- SureSelect P2-AB: None known.
- SureSelect PeA-AB: None known.

Section 3. Composition/information on ingredients

<table>
<thead>
<tr>
<th>Substance/mixture</th>
<th>%</th>
<th>CAS number</th>
</tr>
</thead>
<tbody>
<tr>
<td>SureSelect P1-AB</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SureSelect P2-AB</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SureSelect PeA-AB</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mixtures</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

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

Date of issue: 10/28/2015
# Section 4. First aid measures

## 4.1 Description of necessary first aid measures

### Eye contact

<table>
<thead>
<tr>
<th>Product</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SureSelect P1-AB</td>
<td>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.</td>
</tr>
<tr>
<td>SureSelect P2-AB</td>
<td>Similarly as above.</td>
</tr>
<tr>
<td>SureSelect PeA-AB</td>
<td>Similarly as above.</td>
</tr>
</tbody>
</table>

### Inhalation

<table>
<thead>
<tr>
<th>Product</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SureSelect P1-AB</td>
<td>Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.</td>
</tr>
<tr>
<td>SureSelect P2-AB</td>
<td>Similarly as above.</td>
</tr>
<tr>
<td>SureSelect PeA-AB</td>
<td>Similarly as above.</td>
</tr>
</tbody>
</table>

### Skin contact

<table>
<thead>
<tr>
<th>Product</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SureSelect P1-AB</td>
<td>Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.</td>
</tr>
<tr>
<td>SureSelect P2-AB</td>
<td>Similarly as above.</td>
</tr>
<tr>
<td>SureSelect PeA-AB</td>
<td>Similarly as above.</td>
</tr>
</tbody>
</table>

### Ingestion

<table>
<thead>
<tr>
<th>Product</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SureSelect P1-AB</td>
<td>Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.</td>
</tr>
<tr>
<td>SureSelect P2-AB</td>
<td>Similarly as above.</td>
</tr>
<tr>
<td>SureSelect PeA-AB</td>
<td>Similarly as above.</td>
</tr>
</tbody>
</table>

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

### Potential acute health effects

---

Date of issue: 10/28/2015
# Section 4. First aid measures

<table>
<thead>
<tr>
<th>Condition</th>
<th>SureSelect P1-AB</th>
<th>SureSelect P2-AB</th>
<th>SureSelect PeA-AB</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Eye contact</strong></td>
<td>No known significant effects or critical hazards.</td>
<td>No known significant effects or critical hazards.</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td><strong>Inhalation</strong></td>
<td>No known significant effects or critical hazards.</td>
<td>No known significant effects or critical hazards.</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td><strong>Skin contact</strong></td>
<td>No known significant effects or critical hazards.</td>
<td>No known significant effects or critical hazards.</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td><strong>Ingestion</strong></td>
<td>No known significant effects or critical hazards.</td>
<td>No known significant effects or critical hazards.</td>
<td>No known significant effects or critical hazards.</td>
</tr>
</tbody>
</table>

**Over-exposure signs/symptoms**

<table>
<thead>
<tr>
<th>Condition</th>
<th>SureSelect P1-AB</th>
<th>SureSelect P2-AB</th>
<th>SureSelect PeA-AB</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Eye contact</strong></td>
<td>No specific data.</td>
<td>No specific data.</td>
<td>No specific data.</td>
</tr>
<tr>
<td><strong>Inhalation</strong></td>
<td>No specific data.</td>
<td>No specific data.</td>
<td>No specific data.</td>
</tr>
<tr>
<td><strong>Skin contact</strong></td>
<td>No specific data.</td>
<td>No specific data.</td>
<td>No specific data.</td>
</tr>
<tr>
<td><strong>Ingestion</strong></td>
<td>No specific data.</td>
<td>No specific data.</td>
<td>No specific data.</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Notes to physician</th>
<th>SureSelect P1-AB</th>
<th>SureSelect P2-AB</th>
<th>SureSelect PeA-AB</th>
</tr>
</thead>
<tbody>
<tr>
<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>
<td>Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Specific treatments</th>
<th>SureSelect P1-AB</th>
<th>SureSelect P2-AB</th>
<th>SureSelect PeA-AB</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Protection of first-aiders</th>
<th>SureSelect P1-AB</th>
<th>SureSelect P2-AB</th>
<th>SureSelect PeA-AB</th>
</tr>
</thead>
<tbody>
<tr>
<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>
<td>No action shall be taken involving any personal risk or without suitable training.</td>
<td></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>SureSelect P1-AB</th>
<th>Use an extinguishing agent suitable for the surrounding fire.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>SureSelect P2-AB</td>
<td>Use an extinguishing agent suitable for the surrounding fire.</td>
</tr>
<tr>
<td></td>
<td>SureSelect PeA-AB</td>
<td>Use an extinguishing agent suitable for the surrounding fire.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Unsuitable extinguishing media</th>
<th>SureSelect P1-AB</th>
<th>None known.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>SureSelect P2-AB</td>
<td>None known.</td>
</tr>
<tr>
<td></td>
<td>SureSelect PeA-AB</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>SureSelect P1-AB</th>
<th>In a fire or if heated, a pressure increase will occur and the container may burst.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>SureSelect P2-AB</td>
<td>In a fire or if heated, a pressure increase will occur and the container may burst.</td>
</tr>
<tr>
<td></td>
<td>SureSelect PeA-AB</td>
<td>In a fire or if heated, a pressure increase will occur and the container may burst.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Hazardous thermal decomposition products</th>
<th>SureSelect P1-AB</th>
<th>Decomposition products may include the following materials: carbon dioxide carbon monoxide</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>SureSelect P2-AB</td>
<td>Decomposition products may include the following materials: carbon dioxide carbon monoxide</td>
</tr>
<tr>
<td></td>
<td>SureSelect PeA-AB</td>
<td>No specific data.</td>
</tr>
</tbody>
</table>

5.3 Advice for firefighters

<table>
<thead>
<tr>
<th>Special protective actions for fire-fighters</th>
<th>SureSelect P1-AB</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></td>
<td>SureSelect P2-AB</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>
<tr>
<td></td>
<td>SureSelect PeA-AB</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>

<table>
<thead>
<tr>
<th>Special protective equipment for fire-fighters</th>
<th>SureSelect P1-AB</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></td>
<td>SureSelect P2-AB</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>
<tr>
<td></td>
<td>SureSelect PeA-AB</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

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel:
- SureSelect P1-AB: 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.
- SureSelect P2-AB: 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.
- SureSelect PeA-AB: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.

For emergency responders:
- SureSelect P1-AB: 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".
- SureSelect P2-AB: 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".
- SureSelect PeA-AB: 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:
- SureSelect P1-AB: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
- SureSelect P2-AB: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
- SureSelect PeA-AB: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up:
- SureSelect P1-AB: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
- SureSelect P2-AB: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble.
## Section 6. Accidental release measures

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

<table>
<thead>
<tr>
<th>Protective measures</th>
<th>SureSelect P1-AB</th>
<th>SureSelect P2-AB</th>
<th>SureSelect PeA-AB</th>
</tr>
</thead>
<tbody>
<tr>
<td>Put on appropriate personal protective equipment (see Section 8).</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Advice on general occupational hygiene**

SureSelect P1-AB

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

SureSelect P2-AB

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

SureSelect PeA-AB

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

#### 7.2 Conditions for safe storage, including any incompatibilities

SureSelect P1-AB

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.

SureSelect P2-AB

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
## Section 7. Handling and storage

opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

SureSelect PeA-AB

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.

### 7.3 Specific end use(s)

**Recommendations**
- **Industrial sector specific solutions**
- **SureSelect P1-AB**: Industrial applications, Professional applications.
- **SureSelect P2-AB**: Industrial applications, Professional applications.
- **SureSelect PeA-AB**: Industrial applications, Professional applications.

**SureSelect PeA-AB**

Not applicable.

## 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><strong>SureSelect P1-AB</strong></td>
<td>AIHA WEEL (United States, 5/2010). TWA: 10 mg/m³ 8 hours. Form: Aerosol</td>
</tr>
<tr>
<td>Polyethylene glycol</td>
<td></td>
</tr>
<tr>
<td><strong>SureSelect P2-AB</strong></td>
<td>AIHA WEEL (United States, 5/2010). TWA: 10 mg/m³ 8 hours. Form: Aerosol</td>
</tr>
<tr>
<td>Polyethylene glycol</td>
<td></td>
</tr>
</tbody>
</table>

### 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.

**Date of issue**: 10/28/2015
Section 8. Exposure controls/personal protection

**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**: Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Section 9. Physical and chemical properties

**9.1 Information on basic physical and chemical properties**

**Appearance**

**Physical state**

- SureSelect P1-AB: Liquid.
- SureSelect P2-AB: Liquid.
- SureSelect PeA-AB: Liquid.

**Color**

- SureSelect P1-AB: Not available.
- SureSelect P2-AB: Not available.
- SureSelect PeA-AB: Not available.

**Odor**

- SureSelect P1-AB: Not available.
- SureSelect P2-AB: Not available.
- SureSelect PeA-AB: Not available.

**Odor threshold**

- SureSelect P1-AB: Not available.
- SureSelect P2-AB: Not available.
- SureSelect PeA-AB: Not available.

**pH**

- SureSelect P1-AB: 7.6
- SureSelect P2-AB: 7.6
- SureSelect PeA-AB: Not available.

**Melting point**

- SureSelect P1-AB: Not available.
- SureSelect P2-AB: Not available.
- SureSelect PeA-AB: 0°C (32°F)

**Boiling point**

- SureSelect P1-AB: Not available.
- SureSelect P2-AB: Not available.
- SureSelect PeA-AB: 100°C (212°F)

**Flash point**

- SureSelect P1-AB: Not available.
- SureSelect P2-AB: Not available.
- SureSelect PeA-AB: Not available.

**Evaporation rate**

- SureSelect P1-AB: Not available.
- SureSelect P2-AB: Not available.
- SureSelect PeA-AB: Not available.

**Flammability (solid, gas)**

- SureSelect P1-AB: Not applicable.
- SureSelect P2-AB: Not applicable.
- SureSelect PeA-AB: Not applicable.
Section 9. Physical and chemical properties

Lower and upper explosive (flammable) limits
- SureSelect P1-AB: Not available.
- SureSelect P2-AB: Not available.
- SureSelect PeA-AB: Not available.

Vapor pressure
- SureSelect P1-AB: Not available.
- SureSelect P2-AB: Not available.
- SureSelect PeA-AB: Not available.

Vapor density
- SureSelect P1-AB: Not available.
- SureSelect P2-AB: Not available.
- SureSelect PeA-AB: Not available.

Relative density
- SureSelect P1-AB: Not available.
- SureSelect P2-AB: Not available.
- SureSelect PeA-AB: Not available.

Solubility
- SureSelect P1-AB: Easily soluble in the following materials: cold water and hot water.
- SureSelect P2-AB: Easily soluble in the following materials: cold water and hot water.
- SureSelect PeA-AB: Easily soluble in the following materials: cold water and hot water.

Partition coefficient: n-octanol/water
- SureSelect P1-AB: Not available.
- SureSelect P2-AB: Not available.
- SureSelect PeA-AB: Not available.

Auto-ignition temperature
- SureSelect P1-AB: Not available.
- SureSelect P2-AB: Not available.
- SureSelect PeA-AB: Not available.

Decomposition temperature
- SureSelect P1-AB: Not available.
- SureSelect P2-AB: Not available.
- SureSelect PeA-AB: Not available.

Viscosity
- SureSelect P1-AB: Not available.
- SureSelect P2-AB: Not available.
- SureSelect PeA-AB: Not available.

Section 10. Stability and reactivity

10.1 Reactivity
- SureSelect P1-AB: No specific test data related to reactivity available for this product or its ingredients.
- SureSelect P2-AB: No specific test data related to reactivity available for this product or its ingredients.
- SureSelect PeA-AB: No specific test data related to reactivity available for this product or its ingredients.

10.2 Chemical stability
- SureSelect P1-AB: The product is stable.
- SureSelect P2-AB: The product is stable.
- SureSelect PeA-AB: The product is stable.

10.3 Possibility of hazardous reactions
- SureSelect P1-AB: Under normal conditions of storage and use, hazardous reactions will not occur.
- SureSelect P2-AB: Under normal conditions of storage and use, hazardous reactions will not occur.
- SureSelect PeA-AB: Under normal conditions of storage and use, hazardous reactions will not occur.

10.4 Conditions to avoid
- SureSelect P1-AB: No specific data.
- SureSelect P2-AB: No specific data.
- SureSelect PeA-AB: No specific data.

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Section 10. Stability and reactivity

10.5 Incompatible materials

- SureSelect P1-AB
- SureSelect P2-AB
- SureSelect PeA-AB

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

10.6 Hazardous decomposition products

- SureSelect P1-AB
- SureSelect P2-AB
- SureSelect PeA-AB

May react or be incompatible with oxidizing materials.

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity
Not available.

Irritation/Corrosion

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Result</th>
<th>Species</th>
<th>Score</th>
<th>Exposure</th>
<th>Observation</th>
</tr>
</thead>
<tbody>
<tr>
<td>SureSelect P1-AB</td>
<td>Polyethylene glycol</td>
<td>Eyes - Mild irritant</td>
<td>Rabbit</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Skin - Mild irritant</td>
<td>Rabbit</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>SureSelect P2-AB</td>
<td>Polyethylene glycol</td>
<td>Eyes - Mild irritant</td>
<td>Rabbit</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Skin - Mild irritant</td>
<td>Rabbit</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

Sensitization
Not available.

Mutagenicity
Not available.

Carcinogenicity
Not available.

Reproductive toxicity
Not available.

Teratogenicity
Not available.

Specific target organ toxicity (single exposure)
Not available.

Specific target organ toxicity (repeated exposure)
Not available.

Aspiration hazard
Not available.

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Section 11. Toxicological information

Information on the likely routes of exposure:
- SureSelect P1-AB: Not available.
- SureSelect P2-AB: Not available.
- SureSelect PeA-AB: Not available.

Potential acute health effects:
- **Eye contact**: No known significant effects or critical hazards.
- **Inhalation**: No known significant effects or critical hazards.
- **Skin contact**: No known significant effects or critical hazards.
- **Ingestion**: No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics:
- **Eye contact**: No specific data.
- **Inhalation**: No specific data.
- **Skin contact**: No specific data.
- **Ingestion**: No specific data.

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**: No known significant effects or critical hazards.
- **Carcinogenicity**: No known significant effects or critical hazards.
- **Mutagenicity**: No known significant effects or critical hazards.
- **Teratogenicity**: No known significant effects or critical hazards.

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Section 11. Toxicological information

**Developmental effects**
- SureSelect P1-AB: No known significant effects or critical hazards.
- SureSelect P2-AB: No known significant effects or critical hazards.
- SureSelect PeA-AB: No known significant effects or critical hazards.

**Fertility effects**
- SureSelect P1-AB: No known significant effects or critical hazards.
- SureSelect P2-AB: No known significant effects or critical hazards.
- SureSelect PeA-AB: No known significant effects or critical hazards.

**Numerical measures of toxicity**

**Acute toxicity estimates**
Not available.

Section 12. Ecological information

### 12.1 Toxicity

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Result</th>
<th>Species</th>
<th>Exposure</th>
</tr>
</thead>
<tbody>
<tr>
<td>SureSelect P1-AB Polyethylene glycol</td>
<td>Acute LC50 &gt;1000000 µg/l Fresh water</td>
<td>Fish - Salmo salar - Parr</td>
<td>96 hours</td>
</tr>
<tr>
<td>SureSelect P2-AB Polyethylene glycol</td>
<td>Acute LC50 &gt;1000000 µg/l Fresh water</td>
<td>Fish - Salmo salar - Parr</td>
<td>96 hours</td>
</tr>
</tbody>
</table>

### 12.2 Persistence and degradability
Not available.

### 12.3 Bioaccumulative potential
Not available.

### 12.4 Mobility in soil

<table>
<thead>
<tr>
<th>Soil/water partition coefficient (K&lt;sub&gt;OC&lt;/sub&gt;)</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>:</td>
<td>Not available.</td>
</tr>
</tbody>
</table>

### 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.

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Section 13. Disposal considerations

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

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

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

Section 14. Transport information

Regulatory information
DOT / IMDG / IATA : Not regulated.

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 : Not applicable.
Composition/information on ingredients

<table>
<thead>
<tr>
<th>Name</th>
<th>%</th>
<th>Fire hazard</th>
<th>Sudden release of pressure</th>
<th>Reactive</th>
<th>Immediate (acute) health hazard</th>
<th>Delayed (chronic) health hazard</th>
</tr>
</thead>
<tbody>
<tr>
<td>SureSelect P1-AB</td>
<td>≥5 - &lt;10</td>
<td>Yes.</td>
<td>No.</td>
<td>No.</td>
<td>Yes.</td>
<td>No.</td>
</tr>
<tr>
<td>Polyethylene glycol</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SureSelect P2-AB</td>
<td>≥5 - &lt;10</td>
<td>Yes.</td>
<td>No.</td>
<td>No.</td>
<td>Yes.</td>
<td>No.</td>
</tr>
<tr>
<td>Polyethylene glycol</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

State regulations

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Section 15. Regulatory information

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: No products were found.

Canada inventory: All components are listed or exempted.
International regulations:

International lists:
Australia inventory (AICS): All components are listed or exempted.
China inventory (IECSC): All components are listed or exempted.
Japan inventory: Not determined.
Korea inventory: Not determined.
Malaysia Inventory (EHS Register): Not determined.
New Zealand Inventory of Chemicals (NZIoC): All components are listed or exempted.
Philippines inventory (PICCS): All components are listed or exempted.
Taiwan inventory (CSNN): Not determined.

Chemical Weapons Convention List Schedule I Chemicals: Not listed
Chemical Weapons Convention List Schedule II Chemicals: Not listed
Chemical Weapons Convention List Schedule III Chemicals: Not listed

Section 16. Other information

History
Date of issue: 10/28/2015
Date of previous issue: 10/30/2013
Version: 4

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