

SAFETY DATA SHEET



SureSelect Library Prep Module -AB - 10 Reactions, Part Number G3361A

Section 1. Identification

1.1 Product identifier

Product name : SureSelect Library Prep Module -AB - 10 Reactions, Part Number G3361A
Part No. (Chemical Kit) : G3361A
Part No. : SureSelect P1-AB 5972-3568
 : SureSelect P2-AB 5972-3569
 : SureSelect PeA-AB 5972-3570
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 0.26 ml
 : SureSelect P2-AB 0.26 ml
 : SureSelect PeA-AB 0.1 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

<p>OSHA/HCS status : <input checked="" type="checkbox"/> SureSelect P1-AB</p> <p style="margin-left: 100px;">SureSelect P2-AB</p> <p style="margin-left: 100px;">SureSelect PeA-AB</p>	<p>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.</p> <p>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.</p> <p>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.</p>
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Classification of the substance or mixture

Not classified.

Section 2. Hazards identification

Ingredients of unknown toxicity : SureSelect P1-AB Percentage of the mixture consisting of ingredient (s) of unknown toxicity: 5%
 SureSelect P2-AB Percentage of the mixture consisting of ingredient (s) of unknown toxicity: 5%
 SureSelect PeA-AB Not applicable.

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

Substance/mixture : SureSelect P1-AB Mixture
 SureSelect P2-AB Mixture
 SureSelect PeA-AB Mixture

Ingredient name	%	CAS number
<input checked="" type="checkbox"/> SureSelect P1-AB Polyethylene glycol	≥5 - <10	25322-68-3
SureSelect P2-AB Polyethylene glycol	≥5 - <10	25322-68-3

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

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

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

Section 4. First aid measures

4.1 Description of necessary first aid measures

Eye contact	: SureSelect P1-AB	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.
	SureSelect P2-AB	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.
	SureSelect PeA-AB	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	: SureSelect P1-AB	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	SureSelect P2-AB	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	SureSelect PeA-AB	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
Skin contact	: SureSelect P1-AB	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	SureSelect P2-AB	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	SureSelect PeA-AB	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
Ingestion	: SureSelect P1-AB	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.
	SureSelect P2-AB	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.
	SureSelect PeA-AB	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

4.2 Most important symptoms/effects, acute and delayed

Potential acute health effects

Section 4. First aid measures

Eye contact	: SureSelect P1-AB SureSelect P2-AB SureSelect PeA-AB	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
Inhalation	: SureSelect P1-AB SureSelect P2-AB SureSelect PeA-AB	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
Skin contact	: SureSelect P1-AB SureSelect P2-AB SureSelect PeA-AB	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
Ingestion	: SureSelect P1-AB SureSelect P2-AB SureSelect PeA-AB	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact	: SureSelect P1-AB SureSelect P2-AB SureSelect PeA-AB	No specific data. No specific data. No specific data.
Inhalation	: SureSelect P1-AB SureSelect P2-AB SureSelect PeA-AB	No specific data. No specific data. No specific data.
Skin contact	: SureSelect P1-AB SureSelect P2-AB SureSelect PeA-AB	No specific data. No specific data. No specific data.
Ingestion	: SureSelect P1-AB SureSelect P2-AB SureSelect PeA-AB	No specific data. No specific data. No specific data.

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

Notes to physician	: SureSelect P1-AB SureSelect P2-AB SureSelect PeA-AB	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments	: SureSelect P1-AB SureSelect P2-AB SureSelect PeA-AB	No specific treatment. No specific treatment. No specific treatment.
Protection of first-aiders	: SureSelect P1-AB SureSelect P2-AB SureSelect PeA-AB	No action shall be taken involving any personal risk or without suitable training. No action shall be taken involving any personal risk or without suitable training. No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media	: SureSelect P1-AB	Use an extinguishing agent suitable for the surrounding fire.
	SureSelect P2-AB	Use an extinguishing agent suitable for the surrounding fire.
	SureSelect PeA-AB	Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media	: SureSelect P1-AB	None known.
	SureSelect P2-AB	None known.
	SureSelect PeA-AB	None known.

5.2 Special hazards arising from the substance or mixture

Specific hazards arising from the chemical	: SureSelect P1-AB	In a fire or if heated, a pressure increase will occur and the container may burst.
	SureSelect P2-AB	In a fire or if heated, a pressure increase will occur and the container may burst.
	SureSelect PeA-AB	In a fire or if heated, a pressure increase will occur and the container may burst.
Hazardous thermal decomposition products	: SureSelect P1-AB	Decomposition products may include the following materials: carbon dioxide carbon monoxide
	SureSelect P2-AB	Decomposition products may include the following materials: carbon dioxide carbon monoxide
	SureSelect PeA-AB	No specific data.

5.3 Advice for firefighters

Special protective actions for fire-fighters	: SureSelect P1-AB	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
	SureSelect P2-AB	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
	SureSelect PeA-AB	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
Special protective equipment for fire-fighters	: SureSelect P1-AB	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
	SureSelect P2-AB	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
	SureSelect PeA-AB	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel	: SureSelect 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	
	SureSelect PeA-AB	
For emergency responders	: 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. 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	
	SureSelect PeA-AB	
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	
	SureSelect PeA-AB	
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

SureSelect PeA-AB

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.

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

: SureSelect P1-AB

Put on appropriate personal protective equipment (see Section 8).

SureSelect P2-AB

Put on appropriate personal protective equipment (see Section 8).

SureSelect PeA-AB

Put on appropriate personal protective equipment (see Section 8).

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

SureSelect PeA-AB

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

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	: SureSelect P1-AB SureSelect P2-AB SureSelect PeA-AB	Industrial applications, Professional applications. Industrial applications, Professional applications. Industrial applications, Professional applications.
Industrial sector specific solutions	: SureSelect P1-AB SureSelect P2-AB SureSelect PeA-AB	Not applicable. Not applicable. Not applicable.

Section 8. Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
SureSelect P1-AB Polyethylene glycol	AIHA WEEL (United States, 5/2010). TWA: 10 mg/m ³ 8 hours. Form: Aerosol
SureSelect P2-AB Polyethylene glycol	AIHA WEEL (United States, 5/2010). TWA: 10 mg/m ³ 8 hours. Form: Aerosol

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.
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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 SureSelect P2-AB SureSelect PeA-AB	Liquid. Liquid. Liquid.
Color	: SureSelect P1-AB SureSelect P2-AB SureSelect PeA-AB	Not available. Not available. Not available.
Odor	: SureSelect P1-AB SureSelect P2-AB SureSelect PeA-AB	Not available. Not available. Not available.
Odor threshold	: SureSelect P1-AB SureSelect P2-AB SureSelect PeA-AB	Not available. Not available. Not available.
pH	: SureSelect P1-AB SureSelect P2-AB SureSelect PeA-AB	7.6 7.6 Not available.
Melting point	: SureSelect P1-AB SureSelect P2-AB SureSelect PeA-AB	Not available. Not available. 0°C (32°F)
Boiling point	: SureSelect P1-AB SureSelect P2-AB SureSelect PeA-AB	Not available. Not available. 100°C (212°F)
Flash point	: SureSelect P1-AB SureSelect P2-AB SureSelect PeA-AB	Not available. Not available. Not available.
Evaporation rate	: SureSelect P1-AB SureSelect P2-AB SureSelect PeA-AB	Not available. Not available. Not available.
Flammability (solid, gas)	: SureSelect P1-AB SureSelect P2-AB SureSelect PeA-AB	Not applicable. Not applicable. Not applicable.

Section 9. Physical and chemical properties

Lower and upper explosive (flammable) limits	: SureSelect P1-AB SureSelect P2-AB SureSelect PeA-AB	Not available. Not available. Not available.
Vapor pressure	: SureSelect P1-AB SureSelect P2-AB SureSelect PeA-AB	Not available. Not available. Not available.
Vapor density	: SureSelect P1-AB SureSelect P2-AB SureSelect PeA-AB	Not available. Not available. Not available.
Relative density	: SureSelect P1-AB SureSelect P2-AB SureSelect PeA-AB	Not available. Not available. Not available.
Solubility	: SureSelect P1-AB SureSelect P2-AB SureSelect PeA-AB	Easily soluble in the following materials: cold water and hot water. Easily soluble in the following materials: cold water and hot water. Easily soluble in the following materials: cold water and hot water.
Partition coefficient: n-octanol/water	: SureSelect P1-AB SureSelect P2-AB SureSelect PeA-AB	Not available. Not available. Not available.
Auto-ignition temperature	: SureSelect P1-AB SureSelect P2-AB SureSelect PeA-AB	Not available. Not available. Not available.
Decomposition temperature	: SureSelect P1-AB SureSelect P2-AB SureSelect PeA-AB	Not available. Not available. Not available.
Viscosity	: SureSelect P1-AB SureSelect P2-AB SureSelect PeA-AB	Not available. Not available. Not available.

Section 10. Stability and reactivity

10.1 Reactivity	: SureSelect P1-AB SureSelect P2-AB SureSelect PeA-AB	No specific test data related to reactivity available for this product or its ingredients. No specific test data related to reactivity available for this product or its ingredients. No specific test data related to reactivity available for this product or its ingredients.
10.2 Chemical stability	: SureSelect P1-AB SureSelect P2-AB SureSelect PeA-AB	The product is stable. The product is stable. The product is stable.
10.3 Possibility of hazardous reactions	: SureSelect P1-AB SureSelect P2-AB SureSelect PeA-AB	Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur.
10.4 Conditions to avoid	: SureSelect P1-AB SureSelect P2-AB SureSelect PeA-AB	No specific data. No specific data. No specific data.

Section 10. Stability and reactivity

10.5 Incompatible materials	: SureSelect P1-AB	May react or be incompatible with oxidizing materials.
	SureSelect P2-AB	May react or be incompatible with oxidizing materials.
	SureSelect PeA-AB	May react or be incompatible with oxidizing materials.
10.6 Hazardous decomposition products	: SureSelect P1-AB	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	SureSelect P2-AB	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	SureSelect PeA-AB	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

Product/ingredient name	Result	Species	Score	Exposure	Observation
SureSelect P1-AB Polyethylene glycol	Eyes - Mild irritant	Rabbit	-	-	-
	Skin - Mild irritant	Rabbit	-	-	-
SureSelect P2-AB Polyethylene glycol	Eyes - Mild irritant	Rabbit	-	-	-
	Skin - Mild irritant	Rabbit	-	-	-

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.

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 : 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.

Inhalation : 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.

Skin contact : 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.

Ingestion : 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.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : SureSelect P1-AB No specific data.
 SureSelect P2-AB No specific data.
 SureSelect PeA-AB No specific data.

Inhalation : SureSelect P1-AB No specific data.
 SureSelect P2-AB No specific data.
 SureSelect PeA-AB No specific data.

Skin contact : SureSelect P1-AB No specific data.
 SureSelect P2-AB No specific data.
 SureSelect PeA-AB No specific data.

Ingestion : SureSelect P1-AB No specific data.
 SureSelect P2-AB No specific data.
 SureSelect PeA-AB 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 : 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.

Carcinogenicity : 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.

Mutagenicity : 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.

Teratogenicity : 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.

Section 11. Toxicological information

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

Numerical measures of toxicity

Acute toxicity estimates

Not available.

Section 12. Ecological information

12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
<input checked="" type="checkbox"/> SureSelect P1-AB Polyethylene glycol	Acute LC50 >1000000 µg/l Fresh water	Fish - Salmo salar - Parr	96 hours
<input type="checkbox"/> SureSelect P2-AB Polyethylene glycol	Acute LC50 >1000000 µg/l Fresh water	Fish - Salmo salar - Parr	96 hours

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.

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 : United States inventory (TSCA 8b): All components are listed or exempted.
Clean Water Act (CWA) 311: Edetic acid

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

Name	%	Fire hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
<input checked="" type="checkbox"/> SureSelect P1-AB Polyethylene glycol	≥5 - <10	Yes.	No.	No.	Yes.	No.
<input checked="" type="checkbox"/> SureSelect P2-AB Polyethylene glycol	≥5 - <10	Yes.	No.	No.	Yes.	No.

State regulations

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	: <input checked="" type="checkbox"/> All components are listed or exempted.
International regulations	
International lists	: <input checked="" type="checkbox"/> 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
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Indicates information that has changed from previously issued version.

[Notice to reader](#)

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