

SAFETY DATA SHEET

SureSelect Library Prep Module -AB - 50 Reactions, Part Number G3361C

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

1.1 Product identifier

Product name	: SureSelect Library Prep Module -AB - 50 Reactions, Part Number G3361C		
Part No. (Kit)	: G3361C		
Part No.	: SureSelect P1-AB	5972-3574	
	: SureSelect P2-AB	5972-3576	
	: SureSelect PeA-AB	5972-3578	

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

Identified uses	
Analytical reagent.	
SureSelect P1-AB	1.3 ml
SureSelect P2-AB	1.3 ml
SureSelect PeA-AB	0.5 ml

1.3 Details of the supplier of the safety data sheet

Agilent Technologies Manufacturing GmbH & Co. KG
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	: <input checked="" type="checkbox"/> SureSelect P1-AB	Mixture
	: SureSelect P2-AB	Mixture
	: SureSelect PeA-AB	Mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Not classified.

Classification according to Directive 1999/45/EC [DPD]

<input checked="" type="checkbox"/> SureSelect P1-AB	The product is not classified as dangerous according to Directive 1999/45/EC and its amendments.
SureSelect P2-AB	The product is not classified as dangerous according to Directive 1999/45/EC and its amendments.
SureSelect PeA-AB	The product is not classified as dangerous according to Directive 1999/45/EC and its amendments.

Classification	: <input checked="" type="checkbox"/> SureSelect P1-AB	Not classified.
	: SureSelect P2-AB	Not classified.
	: SureSelect PeA-AB	Not classified.

See Section 16 for the full text of the R phrases or H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

SECTION 2: Hazards identification**2.2 Label elements**

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

Precautionary statements

Prevention	: SureSelect P1-AB SureSelect P2-AB SureSelect PeA-AB	Not applicable. Not applicable. Not applicable.
Response	: SureSelect P1-AB SureSelect P2-AB SureSelect PeA-AB	Not applicable. Not applicable. Not applicable.
Storage	: SureSelect P1-AB SureSelect P2-AB SureSelect PeA-AB	Not applicable. Not applicable. Not applicable.
Disposal	: SureSelect P1-AB SureSelect P2-AB SureSelect PeA-AB	Not applicable. Not applicable. Not applicable.
Hazardous ingredients	: No hazardous ingredient	
Supplemental label elements	: SureSelect P1-AB SureSelect P2-AB SureSelect PeA-AB	Not applicable. Not applicable. Not applicable.
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	: Not applicable.	

Special packaging requirements

Tactile warning of danger	: SureSelect P1-AB SureSelect P2-AB SureSelect PeA-AB	Not applicable. Not applicable. Not applicable.
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2.3 Other hazards

Other hazards which do not result in classification	: SureSelect P1-AB SureSelect P2-AB SureSelect PeA-AB	None known. None known. None known.
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SECTION 3: Composition/information on ingredients

3.2 Mixtures	: SureSelect P1-AB SureSelect P2-AB SureSelect PeA-AB	Mixture Mixture Mixture
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Product/ingredient name

No hazardous ingredient

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 or vPvBs or have been assigned a workplace exposure limit and hence require reporting in this section.

Type

- [1] Substance classified with a health or environmental hazard
 [2] Substance with a workplace exposure limit
 [3] Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII
 [4] Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII
 [5] Substance of equivalent concern

Date of issue/Date of revision : 28/10/2015

2/14

SECTION 4: First aid measures

4.1 Description of 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.
Protection of first-aiders	: SureSelect P1-AB	No action shall be taken involving any personal risk or without suitable training.
	SureSelect P2-AB	No action shall be taken involving any personal risk or without suitable training.
	SureSelect PeA-AB	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	: 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.

SECTION 4: First aid measures

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.

Over-exposure signs/symptoms

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.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician	: SureSelect P1-AB	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	SureSelect P2-AB	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	SureSelect PeA-AB	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments	: SureSelect P1-AB	No specific treatment.
	SureSelect P2-AB	No specific treatment.
	SureSelect PeA-AB	No specific treatment.

SECTION 5: Firefighting 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

Hazards from the substance or mixture	: 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 combustion 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

SECTION 5: Firefighting measures

Special precautions 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. 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.
	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. 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.
	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. 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	: 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".

SECTION 6: Accidental release measures

6.2 Environmental precautions	: SureSelect P1-AB	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).
	SureSelect P2-AB	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).
	SureSelect PeA-AB	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	: 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. 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 PeA-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.

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.
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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.

SECTION 7: Handling and storage**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 unlabelled 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 opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled 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 unlabelled 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**

No exposure limit value known.

Recommended monitoring procedures: this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. 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 available.

PNECs

No PNECs available.

8.2 Exposure controls**Date of issue/Date of revision**

: 28/10/2015

7/14

SECTION 8: Exposure controls/personal protection

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 : 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.

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

Physical state	: SureSelect P1-AB SureSelect P2-AB SureSelect PeA-AB	Liquid. Liquid. Liquid.
Colour	: SureSelect P1-AB SureSelect P2-AB SureSelect PeA-AB	Not available. Not available. Not available.
Odour	: SureSelect P1-AB SureSelect P2-AB SureSelect PeA-AB	Not available. Not available. Not available.
Odour 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/freezing point	: <input checked="" type="checkbox"/> SureSelect P1-AB SureSelect P2-AB SureSelect PeA-AB	Not available. Not available. 0°C
Initial boiling point and boiling range	: <input checked="" type="checkbox"/> SureSelect P1-AB SureSelect P2-AB SureSelect PeA-AB	Not available. Not available. 100°C

SECTION 9: Physical and chemical properties

Flash point	: <input checked="" type="checkbox"/> 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)	: <input checked="" type="checkbox"/> SureSelect P1-AB	Not applicable.
	SureSelect P2-AB	Not applicable.
	SureSelect PeA-AB	Not applicable.
Upper/lower flammability or explosive limits	: SureSelect P1-AB	Not available.
	SureSelect P2-AB	Not available.
	SureSelect PeA-AB	Not available.
Vapour pressure	: <input checked="" type="checkbox"/> SureSelect P1-AB	Not available.
	SureSelect P2-AB	Not available.
	SureSelect PeA-AB	Not available.
Vapour 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(ies)	: 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	: <input checked="" type="checkbox"/> SureSelect P1-AB	Not available.
	SureSelect P2-AB	Not available.
	SureSelect PeA-AB	Not available.
Decomposition temperature	: <input checked="" type="checkbox"/> SureSelect P1-AB	Not available.
	SureSelect P2-AB	Not available.
	SureSelect PeA-AB	Not available.
Viscosity	: <input checked="" type="checkbox"/> SureSelect P1-AB	Not available.
	SureSelect P2-AB	Not available.
	SureSelect PeA-AB	Not available.
Explosive properties	: <input checked="" type="checkbox"/> SureSelect P1-AB	Not available.
	SureSelect P2-AB	Not available.
	SureSelect PeA-AB	Not available.
Oxidising properties	: <input checked="" type="checkbox"/> SureSelect P1-AB	Not available.
	SureSelect P2-AB	Not available.
	SureSelect PeA-AB	Not available.

9.2 Other information

No additional information.

SECTION 10: Stability and reactivity

10.1 Reactivity	: <input checked="" type="checkbox"/> 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.

SECTION 10: Stability and reactivity

10.2 Chemical stability	: <input checked="" type="checkbox"/> SureSelect P1-AB <input type="checkbox"/> SureSelect P2-AB <input type="checkbox"/> SureSelect PeA-AB	The product is stable. The product is stable. The product is stable.
10.3 Possibility of hazardous reactions	: <input checked="" type="checkbox"/> SureSelect P1-AB <input type="checkbox"/> SureSelect P2-AB <input type="checkbox"/> 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	: <input checked="" type="checkbox"/> SureSelect P1-AB <input type="checkbox"/> SureSelect P2-AB <input type="checkbox"/> SureSelect PeA-AB	No specific data. No specific data. No specific data.
10.5 Incompatible materials	: <input checked="" type="checkbox"/> SureSelect P1-AB <input type="checkbox"/> SureSelect P2-AB <input type="checkbox"/> SureSelect PeA-AB	May react or be incompatible with oxidising materials. May react or be incompatible with oxidising materials. May react or be incompatible with oxidising materials.
10.6 Hazardous decomposition products	: <input checked="" type="checkbox"/> SureSelect P1-AB <input type="checkbox"/> SureSelect P2-AB <input type="checkbox"/> SureSelect PeA-AB	Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced. 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.

Acute toxicity estimates

Not available.

Irritation/Corrosion**Conclusion/Summary** : Not available.Sensitiser**Conclusion/Summary** : Not available.Chronic toxicity / Carcinogenicity / Mutagenicity / Teratogenicity / Reproductive toxicity

Not available.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Information on the likely routes of exposure : SureSelect P1-AB
 SureSelect P2-AB
 SureSelect PeA-ABNot available.
Not available.
Not available.Potential acute health effects**Inhalation** : SureSelect P1-AB
 SureSelect P2-AB
 SureSelect PeA-ABNo 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-ABNo known significant effects or critical hazards.
No known significant effects or critical hazards.
No known significant effects or critical hazards.

SECTION 11: Toxicological information

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.
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.

Symptoms related to the physical, chemical and toxicological characteristics

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

Toxicokinetics

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

SECTION 11: Toxicological information

Metabolism	:	SureSelect P1-AB	Not available.
		SureSelect P2-AB	Not available.
		SureSelect PeA-AB	Not available.
Elimination	:	SureSelect P1-AB	Not available.
		SureSelect P2-AB	Not available.
		SureSelect PeA-AB	Not available.
Other information	:	Not available.	

SECTION 12: Ecological information**12.1 Toxicity**

Conclusion/Summary : Not available.

12.2 Persistence and degradability

Conclusion/Summary : Not available.

12.3 Bioaccumulative potential

Not available.

12.4 Mobility in soil

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

Mobility : Not available.

12.5 Results of PBT and vPvB assessment

PBT : Not applicable.

vPvB : Not applicable.

12.6 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 91/689/EEC.

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.

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**Regulatory information**

ADR/RID / IMDG / IATA : Not regulated.

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 Annex II of MARPOL 73/78 and the IBC Code : 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 applicable.

Other EU regulations

Europe inventory : All components are listed or exempted.

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 (Annexes A, B, C, E)

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

Rotterdam Convention on Prior Inform Consent (PIC)

Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

International lists**National inventory**

Australia : All components are listed or exempted.
Canada : All components are listed or exempted.
China : All components are listed or exempted.
Japan : Not determined.
Malaysia : Not determined.
New Zealand : All components are listed or exempted.

SECTION 15: Regulatory information

- Philippines** : All components are listed or exempted.
Republic of Korea : Not determined.
Taiwan : Not determined.
United States : All components are listed or exempted.

- 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]
 DNEL = Derived No Effect Level
 EUH statement = CLP-specific Hazard statement
 PNEC = Predicted No Effect Concentration
 RRN = REACH Registration Number

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Classification	Justification
Not classified.	

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Notice to reader

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