

SAFETY DATA SHEET



SureSelect S5500 Indexing Construction Kit - 1 x 96 Reactions, Part Number 5190-5456

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

1.1 Product identifier

Product name : SureSelect S5500 Indexing Construction Kit - 1 x 96 Reactions, Part Number 5190-5456

Part No. (Kit) : 5190-5456

Part No. : SureSelect LTI5500 P1 5190-5463
SureSelect LTI5500 IA 5190-5464
SureSelect LTI Pre 5190-5465
Capture Primer
SureSelect LTI5500 5190-5462
BC1-BC96 Plate

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

Identified uses	
Analytical reagent.	
SureSelect LTI5500 P1	0.617 ml
SureSelect LTI5500 IA	0.617 ml
SureSelect LTI Pre Capture Primer	1.1 ml
SureSelect LTI5500 BC1-BC96 Plate	1.44 ml (0.015 ml x 96 wells)

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 : SureSelect LTI5500 P1 Mixture
SureSelect LTI5500 IA Mixture
SureSelect LTI Pre Mixture
Capture Primer
SureSelect LTI5500 Mixture
BC1-BC96 Plate

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

Not classified.

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

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

2.2 Label elements

Date of issue/Date of revision : 29/08/2016

SECTION 2: Hazards identification

Signal word	: SureSelect LTI5500 P1 SureSelect LTI5500 IA SureSelect LTI Pre Capture Primer SureSelect LTI5500 BC1-BC96 Plate	No signal word. No signal word. No signal word. No signal word. No signal word.
Hazard statements	: SureSelect LTI5500 P1 SureSelect LTI5500 IA SureSelect LTI Pre Capture Primer SureSelect LTI5500 BC1-BC96 Plate	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
<u>Precautionary statements</u>		
Prevention	: SureSelect LTI5500 P1 SureSelect LTI5500 IA SureSelect LTI Pre Capture Primer SureSelect LTI5500 BC1-BC96 Plate	Not applicable. Not applicable. Not applicable. Not applicable.
Response	: SureSelect LTI5500 P1 SureSelect LTI5500 IA SureSelect LTI Pre Capture Primer SureSelect LTI5500 BC1-BC96 Plate	Not applicable. Not applicable. Not applicable. Not applicable.
Storage	: SureSelect LTI5500 P1 SureSelect LTI5500 IA SureSelect LTI Pre Capture Primer SureSelect LTI5500 BC1-BC96 Plate	Not applicable. Not applicable. Not applicable. Not applicable.
Disposal	: SureSelect LTI5500 P1 SureSelect LTI5500 IA SureSelect LTI Pre Capture Primer SureSelect LTI5500 BC1-BC96 Plate	Not applicable. Not applicable. Not applicable. Not applicable.
Supplemental label elements	: SureSelect LTI5500 P1 SureSelect LTI5500 IA SureSelect LTI Pre Capture Primer SureSelect LTI5500 BC1-BC96 Plate	Not applicable. 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	: SureSelect LTI5500 P1 SureSelect LTI5500 IA SureSelect LTI Pre Capture Primer SureSelect LTI5500 BC1-BC96 Plate	Not applicable. Not applicable. Not applicable. Not applicable.
<u>Special packaging requirements</u>		
Tactile warning of danger	: SureSelect LTI5500 P1 SureSelect LTI5500 IA SureSelect LTI Pre Capture Primer SureSelect LTI5500 BC1-BC96 Plate	Not applicable. Not applicable. Not applicable. Not applicable.

2.3 Other hazards

SECTION 2: Hazards identification

Other hazards which do not result in classification	Other hazards which do not result in classification :	SureSelect LTI5500 P1	None known.
		SureSelect LTI5500 IA	None known.
		SureSelect LTI Pre	None known.
		Capture Primer	
		SureSelect LTI5500	None known.
		BC1-BC96 Plate	

SECTION 3: Composition/information on ingredients

3.2 Mixtures	3.2 Mixtures :	SureSelect LTI5500 P1	Mixture
		SureSelect LTI5500 IA	Mixture
		SureSelect LTI Pre Capture Primer	Mixture
		SureSelect LTI5500 BC1-BC96 Plate	Mixture

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section.

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

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

SECTION 4: First aid measures

4.1 Description of first aid measures

Eye contact	Eye contact :	SureSelect LTI5500 P1	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 LTI5500 IA	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 LTI Pre Capture Primer	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 LTI5500 BC1-BC96 Plate	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	Inhalation :	SureSelect LTI5500 P1	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
		SureSelect LTI5500 IA	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
		SureSelect LTI Pre Capture Primer	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
		SureSelect LTI5500 BC1-BC96 Plate	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
Skin contact	Skin contact :	SureSelect LTI5500 P1	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
		SureSelect LTI5500 IA	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
		SureSelect LTI Pre Capture Primer	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
		SureSelect LTI5500	Flush contaminated skin with plenty of water. Remove

SECTION 4: First aid measures

	BC1-BC96 Plate	contaminated clothing and shoes. Get medical attention if symptoms occur.
Ingestion	: SureSelect LTI5500 P1	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 LTI5500 IA	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 LTI Pre Capture Primer	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 LTI5500 BC1-BC96 Plate	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 LTI5500 P1	No action shall be taken involving any personal risk or without suitable training.
	SureSelect LTI5500 IA	No action shall be taken involving any personal risk or without suitable training.
	SureSelect LTI Pre Capture Primer	No action shall be taken involving any personal risk or without suitable training.
	SureSelect LTI5500 BC1-BC96 Plate	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 LTI5500 P1	No known significant effects or critical hazards.
	SureSelect LTI5500 IA	No known significant effects or critical hazards.
	SureSelect LTI Pre Capture Primer	No known significant effects or critical hazards.
	SureSelect LTI5500 BC1-BC96 Plate	No known significant effects or critical hazards.
Inhalation	: SureSelect LTI5500 P1	No known significant effects or critical hazards.
	SureSelect LTI5500 IA	No known significant effects or critical hazards.
	SureSelect LTI Pre Capture Primer	No known significant effects or critical hazards.
	SureSelect LTI5500 BC1-BC96 Plate	No known significant effects or critical hazards.
Skin contact	: SureSelect LTI5500 P1	No known significant effects or critical hazards.
	SureSelect LTI5500 IA	No known significant effects or critical hazards.
	SureSelect LTI Pre Capture Primer	No known significant effects or critical hazards.
	SureSelect LTI5500 BC1-BC96 Plate	No known significant effects or critical hazards.
Ingestion	: SureSelect LTI5500 P1	No known significant effects or critical hazards.
	SureSelect LTI5500 IA	No known significant effects or critical hazards.
	SureSelect LTI Pre Capture Primer	No known significant effects or critical hazards.
	SureSelect LTI5500 BC1-BC96 Plate	No known significant effects or critical hazards.

SECTION 4: First aid measures**Over-exposure signs/symptoms**

Eye contact	: SureSelect LTI5500 P1	No specific data.
	SureSelect LTI5500 IA	No specific data.
	SureSelect LTI Pre	No specific data.
	Capture Primer	
	SureSelect LTI5500 BC1-BC96 Plate	No specific data.
Inhalation	: SureSelect LTI5500 P1	No specific data.
	SureSelect LTI5500 IA	No specific data.
	SureSelect LTI Pre	No specific data.
	Capture Primer	
	SureSelect LTI5500 BC1-BC96 Plate	No specific data.
Skin contact	: SureSelect LTI5500 P1	No specific data.
	SureSelect LTI5500 IA	No specific data.
	SureSelect LTI Pre	No specific data.
	Capture Primer	
	SureSelect LTI5500 BC1-BC96 Plate	No specific data.
Ingestion	: SureSelect LTI5500 P1	No specific data.
	SureSelect LTI5500 IA	No specific data.
	SureSelect LTI Pre	No specific data.
	Capture Primer	
	SureSelect LTI5500 BC1-BC96 Plate	No specific data.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician	: SureSelect LTI5500 P1	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	SureSelect LTI5500 IA	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	SureSelect LTI Pre	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	Capture Primer	
	SureSelect LTI5500 BC1-BC96 Plate	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments	: SureSelect LTI5500 P1	No specific treatment.
	SureSelect LTI5500 IA	No specific treatment.
	SureSelect LTI Pre	No specific treatment.
	Capture Primer	
	SureSelect LTI5500 BC1-BC96 Plate	No specific treatment.

SECTION 5: Firefighting measures**5.1 Extinguishing media**

Suitable extinguishing media	: SureSelect LTI5500 P1	Use an extinguishing agent suitable for the surrounding fire.
	SureSelect LTI5500 IA	Use an extinguishing agent suitable for the surrounding fire.
	SureSelect LTI Pre	Use an extinguishing agent suitable for the surrounding fire.
	Capture Primer	
	SureSelect LTI5500 BC1-BC96 Plate	Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media	: SureSelect LTI5500 P1	None known.
	SureSelect LTI5500 IA	None known.
	SureSelect LTI Pre	None known.
	Capture Primer	
	SureSelect LTI5500 BC1-BC96 Plate	None known.

5.2 Special hazards arising from the substance or mixture

SECTION 5: Firefighting measures

Hazards from the substance or mixture : SureSelect LTI5500 P1 In a fire or if heated, a pressure increase will occur and the container may burst.
 SureSelect LTI5500 IA In a fire or if heated, a pressure increase will occur and the container may burst.
 SureSelect LTI Pre Capture Primer In a fire or if heated, a pressure increase will occur and the container may burst.
 SureSelect LTI5500 BC1-BC96 Plate In a fire or if heated, a pressure increase will occur and the container may burst.

Hazardous combustion products : SureSelect LTI5500 P1 No specific data.
 SureSelect LTI5500 IA No specific data.
 SureSelect LTI Pre Capture Primer No specific data.
 SureSelect LTI5500 BC1-BC96 Plate No specific data.

5.3 Advice for firefighters

Special precautions for fire-fighters : SureSelect LTI5500 P1 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 LTI5500 IA 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 LTI Pre Capture Primer 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 LTI5500 BC1-BC96 Plate 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 LTI5500 P1 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 LTI5500 IA 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 LTI Pre Capture Primer 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 LTI5500 BC1-BC96 Plate 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 LTI5500 P1 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 LTI5500 IA No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas.

SECTION 6: Accidental release measures

		Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.
	SureSelect LTI Pre Capture Primer	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 LTI5500 BC1-BC96 Plate	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 LTI5500 P1	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 LTI5500 IA	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 LTI Pre Capture Primer	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 LTI5500 BC1-BC96 Plate	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 LTI5500 P1	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 LTI5500 IA	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 LTI Pre Capture Primer	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 LTI5500 BC1-BC96 Plate	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 material for containment and cleaning up		
Methods for cleaning up	: SureSelect LTI5500 P1	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 LTI5500 IA	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 LTI Pre Capture Primer	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 6: Accidental release measures

SureSelect LTI5500
BC1-BC96 Plate

Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

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

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Protective measures : SureSelect LTI5500 P1 Put on appropriate personal protective equipment (see Section 8).
SureSelect LTI5500 IA Put on appropriate personal protective equipment (see Section 8).
SureSelect LTI Pre Capture Primer Put on appropriate personal protective equipment (see Section 8).
SureSelect LTI5500 BC1-BC96 Plate Put on appropriate personal protective equipment (see Section 8).

Advice on general occupational hygiene : SureSelect LTI5500 P1 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 LTI5500 IA 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 LTI Pre Capture Primer 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 LTI5500 BC1-BC96 Plate Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

7.2 Conditions for safe storage, including any incompatibilities

Storage : SureSelect LTI5500 P1 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 LTI5500 IA 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

SECTION 7: Handling and storage

SureSelect LTI Pre Capture Primer	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 unlabelled containers. Use appropriate containment to avoid environmental contamination.
SureSelect LTI5500 BC1-BC96 Plate	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 LTI5500 P1 SureSelect LTI5500 IA SureSelect LTI Pre Capture Primer SureSelect LTI5500 BC1-BC96 Plate	Industrial applications, Professional applications. Industrial applications, Professional applications. Industrial applications, Professional applications. Industrial applications, Professional applications.
Industrial sector specific solutions	: SureSelect LTI5500 P1 SureSelect LTI5500 IA SureSelect LTI Pre Capture Primer SureSelect LTI5500 BC1-BC96 Plate	Not applicable. 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

: If 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/DMELs available.

PNECs

No PNECs available

8.2 Exposure controls

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 : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

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

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state	: SureSelect LTI5500 P1	Liquid.
	SureSelect LTI5500 IA	Liquid.
	SureSelect LTI Pre	Liquid.
	Capture Primer	
	SureSelect LTI5500	Liquid.
	BC1-BC96 Plate	
Colour	: SureSelect LTI5500 P1	Not available.
	SureSelect LTI5500 IA	Not available.
	SureSelect LTI Pre	Not available.
	Capture Primer	
	SureSelect LTI5500	Not available.
	BC1-BC96 Plate	
Odour	: SureSelect LTI5500 P1	Not available.
	SureSelect LTI5500 IA	Not available.
	SureSelect LTI Pre	Not available.
	Capture Primer	
	SureSelect LTI5500	Not available.
	BC1-BC96 Plate	
Odour threshold	: SureSelect LTI5500 P1	Not available.
	SureSelect LTI5500 IA	Not available.
	SureSelect LTI Pre	Not available.
	Capture Primer	
	SureSelect LTI5500	Not available.
	BC1-BC96 Plate	

SECTION 9: Physical and chemical properties

pH	: SureSelect LTI5500 P1 SureSelect LTI5500 IA SureSelect LTI Pre Capture Primer SureSelect LTI5500 BC1-BC96 Plate	Not available. Not available. Not available. Not available. Not available.
Melting point/freezing point	: SureSelect LTI5500 P1 SureSelect LTI5500 IA SureSelect LTI Pre Capture Primer SureSelect LTI5500 BC1-BC96 Plate	0°C 0°C 0°C 0°C 0°C
Initial boiling point and boiling range	: SureSelect LTI5500 P1 SureSelect LTI5500 IA SureSelect LTI Pre Capture Primer SureSelect LTI5500 BC1-BC96 Plate	100°C 100°C 100°C 100°C 100°C
Flash point	: SureSelect LTI5500 P1 SureSelect LTI5500 IA SureSelect LTI Pre Capture Primer SureSelect LTI5500 BC1-BC96 Plate	Not available. Not available. Not available. Not available. Not available.
Evaporation rate	: SureSelect LTI5500 P1 SureSelect LTI5500 IA SureSelect LTI Pre Capture Primer SureSelect LTI5500 BC1-BC96 Plate	Not available. Not available. Not available. Not available. Not available.
Flammability (solid, gas)	: SureSelect LTI5500 P1 SureSelect LTI5500 IA SureSelect LTI Pre Capture Primer SureSelect LTI5500 BC1-BC96 Plate	Not applicable. Not applicable. Not applicable. Not applicable. Not applicable.
Upper/lower flammability or explosive limits	: SureSelect LTI5500 P1 SureSelect LTI5500 IA SureSelect LTI Pre Capture Primer SureSelect LTI5500 BC1-BC96 Plate	Not available. Not available. Not available. Not available. Not available.
Vapour pressure	: SureSelect LTI5500 P1 SureSelect LTI5500 IA SureSelect LTI Pre Capture Primer SureSelect LTI5500 BC1-BC96 Plate	Not available. Not available. Not available. Not available. Not available.
Vapour density	: SureSelect LTI5500 P1 SureSelect LTI5500 IA SureSelect LTI Pre Capture Primer SureSelect LTI5500 BC1-BC96 Plate	Not available. Not available. Not available. Not available. Not available.
Relative density	: SureSelect LTI5500 P1 SureSelect LTI5500 IA SureSelect LTI Pre Capture Primer SureSelect LTI5500 BC1-BC96 Plate	Not available. Not available. Not available. Not available. Not available.

SECTION 9: Physical and chemical properties

Solubility(ies)	: SureSelect LTI5500 P1	Easily soluble in the following materials: cold water and hot water.
	SureSelect LTI5500 IA	Easily soluble in the following materials: cold water and hot water.
	SureSelect LTI Pre Capture Primer	Easily soluble in the following materials: cold water and hot water.
	SureSelect LTI5500 BC1-BC96 Plate	Easily soluble in the following materials: cold water and hot water.
Partition coefficient: n-octanol/water	: SureSelect LTI5500 P1	Not available.
	SureSelect LTI5500 IA	Not available.
	SureSelect LTI Pre Capture Primer	Not available.
	SureSelect LTI5500 BC1-BC96 Plate	Not available.
Auto-ignition temperature	: SureSelect LTI5500 P1	Not available.
	SureSelect LTI5500 IA	Not available.
	SureSelect LTI Pre Capture Primer	Not available.
	SureSelect LTI5500 BC1-BC96 Plate	Not available.
Decomposition temperature	: SureSelect LTI5500 P1	Not available.
	SureSelect LTI5500 IA	Not available.
	SureSelect LTI Pre Capture Primer	Not available.
	SureSelect LTI5500 BC1-BC96 Plate	Not available.
Viscosity	: SureSelect LTI5500 P1	Not available.
	SureSelect LTI5500 IA	Not available.
	SureSelect LTI Pre Capture Primer	Not available.
	SureSelect LTI5500 BC1-BC96 Plate	Not available.
Explosive properties	: SureSelect LTI5500 P1	Not available.
	SureSelect LTI5500 IA	Not available.
	SureSelect LTI Pre Capture Primer	Not available.
	SureSelect LTI5500 BC1-BC96 Plate	Not available.
Oxidising properties	: SureSelect LTI5500 P1	Not available.
	SureSelect LTI5500 IA	Not available.
	SureSelect LTI Pre Capture Primer	Not available.
	SureSelect LTI5500 BC1-BC96 Plate	Not available.

9.2 Other information

No additional information.

SECTION 10: Stability and reactivity

10.1 Reactivity	: SureSelect LTI5500 P1	No specific test data related to reactivity available for this product or its ingredients.
	SureSelect LTI5500 IA	No specific test data related to reactivity available for this product or its ingredients.
	SureSelect LTI Pre Capture Primer	No specific test data related to reactivity available for this product or its ingredients.
	SureSelect LTI5500 BC1-BC96 Plate	No specific test data related to reactivity available for this product or its ingredients.

SECTION 10: Stability and reactivity

10.2 Chemical stability	: SureSelect LTI5500 P1 SureSelect LTI5500 IA SureSelect LTI Pre Capture Primer SureSelect LTI5500 BC1-BC96 Plate	The product is stable. The product is stable. The product is stable. The product is stable.
10.3 Possibility of hazardous reactions	: SureSelect LTI5500 P1 SureSelect LTI5500 IA SureSelect LTI Pre Capture Primer SureSelect LTI5500 BC1-BC96 Plate	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. Under normal conditions of storage and use, hazardous reactions will not occur.
10.4 Conditions to avoid	: SureSelect LTI5500 P1 SureSelect LTI5500 IA SureSelect LTI Pre Capture Primer SureSelect LTI5500 BC1-BC96 Plate	No specific data. No specific data. No specific data. No specific data.
10.5 Incompatible materials	: SureSelect LTI5500 P1 SureSelect LTI5500 IA SureSelect LTI Pre Capture Primer SureSelect LTI5500 BC1-BC96 Plate	May react or be incompatible with oxidising materials. 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	: SureSelect LTI5500 P1 SureSelect LTI5500 IA SureSelect LTI Pre Capture Primer SureSelect LTI5500 BC1-BC96 Plate	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. 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.

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 likely routes of exposure	: SureSelect LTI5500 P1	Not available.
	SureSelect LTI5500 IA	Not available.
	SureSelect LTI Pre	Not available.
	Capture Primer	
	SureSelect LTI5500 BC1-BC96 Plate	Not available.

Potential acute health effects

Inhalation	: SureSelect LTI5500 P1	No known significant effects or critical hazards.
	SureSelect LTI5500 IA	No known significant effects or critical hazards.
	SureSelect LTI Pre	No known significant effects or critical hazards.
	Capture Primer	
	SureSelect LTI5500 BC1-BC96 Plate	No known significant effects or critical hazards.
Ingestion	: SureSelect LTI5500 P1	No known significant effects or critical hazards.
	SureSelect LTI5500 IA	No known significant effects or critical hazards.
	SureSelect LTI Pre	No known significant effects or critical hazards.
	Capture Primer	
	SureSelect LTI5500 BC1-BC96 Plate	No known significant effects or critical hazards.
Skin contact	: SureSelect LTI5500 P1	No known significant effects or critical hazards.
	SureSelect LTI5500 IA	No known significant effects or critical hazards.
	SureSelect LTI Pre	No known significant effects or critical hazards.
	Capture Primer	
	SureSelect LTI5500 BC1-BC96 Plate	No known significant effects or critical hazards.
Eye contact	: SureSelect LTI5500 P1	No known significant effects or critical hazards.
	SureSelect LTI5500 IA	No known significant effects or critical hazards.
	SureSelect LTI Pre	No known significant effects or critical hazards.
	Capture Primer	
	SureSelect LTI5500 BC1-BC96 Plate	No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Inhalation	: SureSelect LTI5500 P1	No specific data.
	SureSelect LTI5500 IA	No specific data.
	SureSelect LTI Pre	No specific data.
	Capture Primer	
	SureSelect LTI5500 BC1-BC96 Plate	No specific data.
Ingestion	: SureSelect LTI5500 P1	No specific data.
	SureSelect LTI5500 IA	No specific data.
	SureSelect LTI Pre	No specific data.
	Capture Primer	
	SureSelect LTI5500 BC1-BC96 Plate	No specific data.
Skin contact	: SureSelect LTI5500 P1	No specific data.
	SureSelect LTI5500 IA	No specific data.
	SureSelect LTI Pre	No specific data.
	Capture Primer	
	SureSelect LTI5500 BC1-BC96 Plate	No specific data.
Eye contact	: SureSelect LTI5500 P1	No specific data.
	SureSelect LTI5500 IA	No specific data.
	SureSelect LTI Pre	No specific data.
	Capture Primer	
	SureSelect LTI5500 BC1-BC96 Plate	No specific data.

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

Potential immediate effects	: Not available.
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SECTION 11: Toxicological information

Potential delayed effects : Not available.

Long term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Potential chronic health effects

General	: SureSelect LTI5500 P1 SureSelect LTI5500 IA SureSelect LTI Pre Capture Primer SureSelect LTI5500 BC1-BC96 Plate	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
Carcinogenicity	: SureSelect LTI5500 P1 SureSelect LTI5500 IA SureSelect LTI Pre Capture Primer SureSelect LTI5500 BC1-BC96 Plate	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
Mutagenicity	: SureSelect LTI5500 P1 SureSelect LTI5500 IA SureSelect LTI Pre Capture Primer SureSelect LTI5500 BC1-BC96 Plate	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
Teratogenicity	: SureSelect LTI5500 P1 SureSelect LTI5500 IA SureSelect LTI Pre Capture Primer SureSelect LTI5500 BC1-BC96 Plate	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
Developmental effects	: SureSelect LTI5500 P1 SureSelect LTI5500 IA SureSelect LTI Pre Capture Primer SureSelect LTI5500 BC1-BC96 Plate	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
Fertility effects	: SureSelect LTI5500 P1 SureSelect LTI5500 IA SureSelect LTI Pre Capture Primer SureSelect LTI5500 BC1-BC96 Plate	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.

SECTION 12: Ecological information**12.1 Toxicity**

Conclusion/Summary : Not available.

12.2 Persistence and degradability

Not available.

12.3 Bioaccumulative potential

Not available.

12.4 Mobility in soil

Date of issue/Date of revision : 29/08/2016

SECTION 12: Ecological information

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 2008/98/EC.

Packaging

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

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 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.

SECTION 15: Regulatory information

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	SureSelect LTI5500 P1	Not applicable.
	SureSelect LTI5500 IA	Not applicable.
	SureSelect LTI Pre Capture Primer	Not applicable.
	SureSelect LTI5500	Not applicable.
	BC1-BC96 Plate	

Other EU regulations

Europe inventory : All components are listed or exempted.

Ozone depleting substances (1005/2009/EU)

Not listed.

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

Not listed.

Seveso Directive

This product is not controlled under the Seveso Directive.

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

Montreal Protocol (Annexes A, B, C, E)

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

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	: Japan inventory (ENCS) : All components are listed or exempted. Japan inventory (ISHL) : All components are listed or exempted.
Malaysia	: Not determined.
New Zealand	: All components are listed or exempted.
Philippines	: All components are listed or exempted.
Republic of Korea	: Not determined.
Taiwan	: All components are listed or exempted.
Turkey	: 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.	

Full text of abbreviated H statements

Not applicable.

Full text of classifications [CLP/GHS]

Not applicable.

Date of issue/ Date of revision : 29/08/2016

Date of previous issue : No previous validation.

Version : 1

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