

SAFETY DATA SHEET



SureSelect XT2 Pre-Capture Box 1 - 60 Reactions, Part Number 5190-4077

Section 1. Identification

Product identifier : SureSelect XT2 Pre-Capture Box 1 - 60 Reactions, Part Number 5190-4077
Part No. (Chemical Kit) : 5190-4077
Part No. : SureSelect XT2 Binding Buffer 5190-4091
 SureSelect XT2 Wash 1 5190-4092
 SureSelect XT2 Wash 2 5190-4093

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

Analytical reagent.

SureSelect XT2 Binding Buffer 48 ml
 SureSelect XT2 Wash 1 12 ml
 SureSelect XT2 Wash 2 72 ml

Supplier/Manufacturer : Agilent Technologies Australia Pty Ltd
 679 Springvale Road
 Mulgrave
 Victoria 3170, Australia
 1800 802 402

Emergency telephone number (with hours of operation) : CHEMTREC®: +(61)-290372994

Section 2. Hazard(s) identification

Classification of the substance or mixture

Not classified.

SureSelect XT2 Binding Buffer Percentage of the mixture consisting of ingredient(s) of unknown inhalation toxicity: 1 - 10%

GHS label elements

Signal word : SureSelect XT2 Binding Buffer No signal word.
 SureSelect XT2 Wash 1 No signal word.
 SureSelect XT2 Wash 2 No signal word.

Hazard statements : SureSelect XT2 Binding Buffer No known significant effects or critical hazards.
 SureSelect XT2 Wash 1 No known significant effects or critical hazards.
 SureSelect XT2 Wash 2 No known significant effects or critical hazards.

Precautionary statements

Prevention : SureSelect XT2 Binding Buffer Not applicable.
 SureSelect XT2 Wash 1 Not applicable.
 SureSelect XT2 Wash 2 Not applicable.

Response : SureSelect XT2 Binding Buffer Not applicable.
 SureSelect XT2 Wash 1 Not applicable.
 SureSelect XT2 Wash 2 Not applicable.

Storage : SureSelect XT2 Binding Buffer Not applicable.
 SureSelect XT2 Wash 1 Not applicable.
 SureSelect XT2 Wash 2 Not applicable.

Section 2. Hazard(s) identification

| | | |
|--|---------------------------------|-----------------|
| Disposal | : SureSelect XT2 Binding Buffer | Not applicable. |
| | SureSelect XT2 Wash 1 | Not applicable. |
| | SureSelect XT2 Wash 2 | Not applicable. |
| Supplemental label elements | | |
| Additional warning phrases | : SureSelect XT2 Binding Buffer | Not applicable. |
| | SureSelect XT2 Wash 1 | Not applicable. |
| | SureSelect XT2 Wash 2 | Not applicable. |
| Other hazards which do not result in classification | : SureSelect XT2 Binding Buffer | None known. |
| | SureSelect XT2 Wash 1 | None known. |
| | SureSelect XT2 Wash 2 | None known. |

Section 3. Composition and ingredient information

| | | |
|--------------------------|---------------------------------|---------|
| Substance/mixture | : SureSelect XT2 Binding Buffer | Mixture |
| | SureSelect XT2 Wash 1 | Mixture |
| | SureSelect XT2 Wash 2 | Mixture |

CAS number/other identifiers

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 and hence require reporting in this section.

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

Section 4. First aid measures

Description of necessary first aid measures

| | | |
|---------------------|---------------------------------|---|
| Eye contact | : SureSelect XT2 Binding Buffer | 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 XT2 Wash 1 | 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 XT2 Wash 2 | 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 XT2 Binding Buffer | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. |
| | SureSelect XT2 Wash 1 | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. |
| | SureSelect XT2 Wash 2 | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. |
| Skin contact | : SureSelect XT2 Binding Buffer | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. |
| | SureSelect XT2 Wash 1 | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. |
| | SureSelect XT2 Wash 2 | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. |

Section 4. First aid measures

| | | |
|------------------|---------------------------------|---|
| Ingestion | : SureSelect XT2 Binding Buffer | medical attention if symptoms occur. 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 XT2 Wash 1 | 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 XT2 Wash 2 | 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. |

Most important symptoms/effects, acute and delayed

Potential acute health effects

| | | |
|---------------------|---|---|
| Eye contact | : SureSelect XT2 Binding Buffer SureSelect XT2 Wash 1 SureSelect XT2 Wash 2 | No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. |
| Inhalation | : SureSelect XT2 Binding Buffer SureSelect XT2 Wash 1 SureSelect XT2 Wash 2 | No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. |
| Skin contact | : SureSelect XT2 Binding Buffer SureSelect XT2 Wash 1 SureSelect XT2 Wash 2 | No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. |
| Ingestion | : SureSelect XT2 Binding Buffer SureSelect XT2 Wash 1 SureSelect XT2 Wash 2 | 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 XT2 Binding Buffer SureSelect XT2 Wash 1 SureSelect XT2 Wash 2 | No specific data. No specific data. No specific data. |
| Inhalation | : SureSelect XT2 Binding Buffer SureSelect XT2 Wash 1 SureSelect XT2 Wash 2 | No specific data. No specific data. No specific data. |
| Skin contact | : SureSelect XT2 Binding Buffer SureSelect XT2 Wash 1 SureSelect XT2 Wash 2 | No specific data. No specific data. No specific data. |
| Ingestion | : SureSelect XT2 Binding Buffer SureSelect XT2 Wash 1 SureSelect XT2 Wash 2 | No specific data. No specific data. No specific data. |

Section 4. First aid measures

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

| | | |
|-----------------------------------|---|---|
| Notes to physician | : <input checked="" type="checkbox"/> SureSelect XT2 Binding Buffer | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. |
| | SureSelect XT2 Wash 1 | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. |
| | SureSelect XT2 Wash 2 | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. |
| Specific treatments | : <input checked="" type="checkbox"/> SureSelect XT2 Binding Buffer | No specific treatment. |
| | SureSelect XT2 Wash 1 | No specific treatment. |
| | SureSelect XT2 Wash 2 | No specific treatment. |
| Protection of first-aiders | : <input checked="" type="checkbox"/> SureSelect XT2 Binding Buffer | No action shall be taken involving any personal risk or without suitable training. |
| | SureSelect XT2 Wash 1 | No action shall be taken involving any personal risk or without suitable training. |
| | SureSelect XT2 Wash 2 | No action shall be taken involving any personal risk or without suitable training. |

See toxicological information (Section 11)

Section 5. Firefighting measures

Extinguishing media

| | | |
|---|---|---|
| Suitable extinguishing media | : <input checked="" type="checkbox"/> SureSelect XT2 Binding Buffer | Use an extinguishing agent suitable for the surrounding fire. |
| | SureSelect XT2 Wash 1 | Use an extinguishing agent suitable for the surrounding fire. |
| | SureSelect XT2 Wash 2 | Use an extinguishing agent suitable for the surrounding fire. |
| Unsuitable extinguishing media | : <input checked="" type="checkbox"/> SureSelect XT2 Binding Buffer | None known. |
| | SureSelect XT2 Wash 1 | None known. |
| | SureSelect XT2 Wash 2 | None known. |
| Specific hazards arising from the chemical | : <input checked="" type="checkbox"/> SureSelect XT2 Binding Buffer | In a fire or if heated, a pressure increase will occur and the container may burst. |
| | SureSelect XT2 Wash 1 | In a fire or if heated, a pressure increase will occur and the container may burst. |
| | SureSelect XT2 Wash 2 | In a fire or if heated, a pressure increase will occur and the container may burst. |
| Hazardous thermal decomposition products | : <input checked="" type="checkbox"/> SureSelect XT2 Binding Buffer | Decomposition products may include the following materials: halogenated compounds metal oxide/oxides |
| | SureSelect XT2 Wash 1 | No specific data. |
| | SureSelect XT2 Wash 2 | No specific data. |
| Special protective actions for fire-fighters | : <input checked="" type="checkbox"/> SureSelect XT2 Binding Buffer | 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 XT2 Wash 1 | 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 XT2 Wash 2 | Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No |

Section 5. Firefighting measures

Special protective equipment for fire-fighters

: SureSelect XT2 Binding Buffer

action shall be taken involving any personal risk or without suitable training.

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

SureSelect XT2 Wash 1

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

SureSelect XT2 Wash 2

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

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

: SureSelect XT2 Binding Buffer

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.

SureSelect XT2 Wash 1

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.

SureSelect XT2 Wash 2

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.

For emergency responders

: SureSelect XT2 Binding Buffer

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 XT2 Wash 1

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 XT2 Wash 2

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".

Environmental precautions

: SureSelect XT2 Binding Buffer

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 XT2 Wash 1

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 XT2 Wash 2

Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has

Section 6. Accidental release measures

caused environmental pollution (sewers, waterways, soil or air).

Methods and material for containment and cleaning up

| | | |
|--------------------------------|---------------------------------|---|
| Methods for cleaning up | : SureSelect XT2 Binding Buffer | 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 XT2 Wash 1 | 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 XT2 Wash 2 | 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

Precautions for safe handling

| | | |
|---|---------------------------------|---|
| Protective measures | : SureSelect XT2 Binding Buffer | Put on appropriate personal protective equipment (see Section 8). |
| | SureSelect XT2 Wash 1 | Put on appropriate personal protective equipment (see Section 8). |
| | SureSelect XT2 Wash 2 | Put on appropriate personal protective equipment (see Section 8). |
| Advice on general occupational hygiene | : SureSelect XT2 Binding Buffer | 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 XT2 Wash 1 | 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 XT2 Wash 2 | 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. |
| Conditions for safe storage, including any incompatibilities | : SureSelect XT2 Binding Buffer | 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 |

Section 7. Handling and storage

SureSelect XT2 Wash 1

containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use. Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use. Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

SureSelect XT2 Wash 2

Section 8. Exposure controls and personal protection

Control parameters

Occupational exposure limits

None.

- 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.
- 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.

Section 8. Exposure controls and personal protection

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.

Section 9. Physical and chemical properties

Appearance

| | | |
|---|---------------------------------|-----------------|
| Physical state | : SureSelect XT2 Binding Buffer | Liquid. |
| | SureSelect XT2 Wash 1 | Liquid. |
| | SureSelect XT2 Wash 2 | Liquid. |
| Colour | : SureSelect XT2 Binding Buffer | Not available. |
| | SureSelect XT2 Wash 1 | Not available. |
| | SureSelect XT2 Wash 2 | Not available. |
| Odour | : SureSelect XT2 Binding Buffer | Not available. |
| | SureSelect XT2 Wash 1 | Not available. |
| | SureSelect XT2 Wash 2 | Not available. |
| Odour threshold | : SureSelect XT2 Binding Buffer | Not available. |
| | SureSelect XT2 Wash 1 | Not available. |
| | SureSelect XT2 Wash 2 | Not available. |
| pH | : SureSelect XT2 Binding Buffer | 7.5 |
| | SureSelect XT2 Wash 1 | 7 |
| | SureSelect XT2 Wash 2 | 7 |
| Melting point | : SureSelect XT2 Binding Buffer | Not available. |
| | SureSelect XT2 Wash 1 | 0°C (32°F) |
| | SureSelect XT2 Wash 2 | 0°C (32°F) |
| Boiling point | : SureSelect XT2 Binding Buffer | Not available. |
| | SureSelect XT2 Wash 1 | 100°C (212°F) |
| | SureSelect XT2 Wash 2 | 100°C (212°F) |
| Flash point | : SureSelect XT2 Binding Buffer | Not available. |
| | SureSelect XT2 Wash 1 | Not available. |
| | SureSelect XT2 Wash 2 | Not available. |
| Evaporation rate | : SureSelect XT2 Binding Buffer | Not available. |
| | SureSelect XT2 Wash 1 | Not available. |
| | SureSelect XT2 Wash 2 | Not available. |
| Flammability (solid, gas) | : SureSelect XT2 Binding Buffer | Not applicable. |
| | SureSelect XT2 Wash 1 | Not applicable. |
| | SureSelect XT2 Wash 2 | Not applicable. |
| Lower and upper explosive (flammable) limits | : SureSelect XT2 Binding Buffer | Not available. |
| | SureSelect XT2 Wash 1 | Not available. |
| | SureSelect XT2 Wash 2 | Not available. |
| Vapour pressure | : SureSelect XT2 Binding Buffer | Not available. |
| | SureSelect XT2 Wash 1 | Not available. |
| | SureSelect XT2 Wash 2 | Not available. |
| Vapour density | : SureSelect XT2 Binding Buffer | Not available. |
| | SureSelect XT2 Wash 1 | Not available. |
| | SureSelect XT2 Wash 2 | Not available. |

Section 9. Physical and chemical properties

| | | |
|---|---|--|
| Relative density | : SureSelect XT2 Binding Buffer SureSelect XT2 Wash 1 SureSelect XT2 Wash 2 | Not available. Not available. Not available. |
| Solubility | : SureSelect XT2 Binding Buffer SureSelect XT2 Wash 1 SureSelect XT2 Wash 2 | 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 XT2 Binding Buffer SureSelect XT2 Wash 1 SureSelect XT2 Wash 2 | Not available. Not available. Not available. |
| Auto-ignition temperature | : SureSelect XT2 Binding Buffer SureSelect XT2 Wash 1 SureSelect XT2 Wash 2 | Not available. Not available. Not available. |
| Decomposition temperature | : SureSelect XT2 Binding Buffer SureSelect XT2 Wash 1 SureSelect XT2 Wash 2 | Not available. Not available. Not available. |
| Viscosity | : SureSelect XT2 Binding Buffer SureSelect XT2 Wash 1 SureSelect XT2 Wash 2 | Not available. Not available. Not available. |

Section 10. Stability and reactivity

| | | |
|---|---|--|
| Reactivity | : <input checked="" type="checkbox"/> SureSelect XT2 Binding Buffer SureSelect XT2 Wash 1 SureSelect XT2 Wash 2 | 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. |
| Chemical stability | : <input checked="" type="checkbox"/> SureSelect XT2 Binding Buffer SureSelect XT2 Wash 1 SureSelect XT2 Wash 2 | The product is stable. The product is stable. The product is stable. |
| Possibility of hazardous reactions | : <input checked="" type="checkbox"/> SureSelect XT2 Binding Buffer SureSelect XT2 Wash 1 SureSelect XT2 Wash 2 | 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. |
| Conditions to avoid | : <input checked="" type="checkbox"/> SureSelect XT2 Binding Buffer SureSelect XT2 Wash 1 SureSelect XT2 Wash 2 | No specific data. No specific data. No specific data. |
| Incompatible materials | : <input checked="" type="checkbox"/> SureSelect XT2 Binding Buffer SureSelect XT2 Wash 1 SureSelect XT2 Wash 2 | May react or be incompatible with oxidising materials. May react or be incompatible with oxidising materials. May react or be incompatible with oxidising materials. |

Section 10. Stability and reactivity

| | | |
|---|---------------------------------|--|
| Hazardous decomposition products | : SureSelect XT2 Binding Buffer | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| | SureSelect XT2 Wash 1 | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| | SureSelect XT2 Wash 2 | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Not available.

Irritation/Corrosion

Not available.

Sensitisation

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.

| | | |
|---|---------------------------------|----------------|
| Information on likely routes of exposure | : SureSelect XT2 Binding Buffer | Not available. |
| | SureSelect XT2 Wash 1 | Not available. |
| | SureSelect XT2 Wash 2 | Not available. |

Potential acute health effects

| | | |
|---------------------|---------------------------------|---|
| Eye contact | : SureSelect XT2 Binding Buffer | No known significant effects or critical hazards. |
| | SureSelect XT2 Wash 1 | No known significant effects or critical hazards. |
| | SureSelect XT2 Wash 2 | No known significant effects or critical hazards. |
| Inhalation | : SureSelect XT2 Binding Buffer | No known significant effects or critical hazards. |
| | SureSelect XT2 Wash 1 | No known significant effects or critical hazards. |
| | SureSelect XT2 Wash 2 | No known significant effects or critical hazards. |
| Skin contact | : SureSelect XT2 Binding Buffer | No known significant effects or critical hazards. |
| | SureSelect XT2 Wash 1 | No known significant effects or critical hazards. |
| | SureSelect XT2 Wash 2 | No known significant effects or critical hazards. |

Section 11. Toxicological information

| | | |
|------------------|---------------------------------|---|
| Ingestion | : SureSelect XT2 Binding Buffer | No known significant effects or critical hazards. |
| | SureSelect XT2 Wash 1 | No known significant effects or critical hazards. |
| | SureSelect XT2 Wash 2 | No known significant effects or critical hazards. |

Symptoms related to the physical, chemical and toxicological characteristics

| | | |
|---------------------|---------------------------------|-------------------|
| Eye contact | : SureSelect XT2 Binding Buffer | No specific data. |
| | SureSelect XT2 Wash 1 | No specific data. |
| | SureSelect XT2 Wash 2 | No specific data. |
| Inhalation | : SureSelect XT2 Binding Buffer | No specific data. |
| | SureSelect XT2 Wash 1 | No specific data. |
| | SureSelect XT2 Wash 2 | No specific data. |
| Skin contact | : SureSelect XT2 Binding Buffer | No specific data. |
| | SureSelect XT2 Wash 1 | No specific data. |
| | SureSelect XT2 Wash 2 | No specific data. |
| Ingestion | : SureSelect XT2 Binding Buffer | No specific data. |
| | SureSelect XT2 Wash 1 | No specific data. |
| | SureSelect XT2 Wash 2 | No specific data. |

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

Short term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Long term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Potential chronic health effects

Not available.

| | | |
|------------------------------|---------------------------------|---|
| General | : SureSelect XT2 Binding Buffer | No known significant effects or critical hazards. |
| | SureSelect XT2 Wash 1 | No known significant effects or critical hazards. |
| | SureSelect XT2 Wash 2 | No known significant effects or critical hazards. |
| Carcinogenicity | : SureSelect XT2 Binding Buffer | No known significant effects or critical hazards. |
| | SureSelect XT2 Wash 1 | No known significant effects or critical hazards. |
| | SureSelect XT2 Wash 2 | No known significant effects or critical hazards. |
| Mutagenicity | : SureSelect XT2 Binding Buffer | No known significant effects or critical hazards. |
| | SureSelect XT2 Wash 1 | No known significant effects or critical hazards. |
| | SureSelect XT2 Wash 2 | No known significant effects or critical hazards. |
| Teratogenicity | : SureSelect XT2 Binding Buffer | No known significant effects or critical hazards. |
| | SureSelect XT2 Wash 1 | No known significant effects or critical hazards. |
| | SureSelect XT2 Wash 2 | No known significant effects or critical hazards. |
| Developmental effects | : SureSelect XT2 Binding Buffer | No known significant effects or critical hazards. |
| | SureSelect XT2 Wash 1 | No known significant effects or critical hazards. |
| | SureSelect XT2 Wash 2 | No known significant effects or critical hazards. |

Section 11. Toxicological information

| | | |
|--------------------------|---------------------------------|---|
| Fertility effects | : SureSelect XT2 Binding Buffer | No known significant effects or critical hazards. |
| | SureSelect XT2 Wash 1 | No known significant effects or critical hazards. |
| | SureSelect XT2 Wash 2 | No known significant effects or critical hazards. |

Numerical measures of toxicity

Acute toxicity estimates

Not available.

Section 12. Ecological information

Toxicity

Not available.

Persistence and degradability

Not available.

Bioaccumulative potential

Not available.

Mobility in soil

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

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

Section 13. Disposal considerations

Disposal methods : 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. 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 spilt material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

ADG / IMDG / IATA : Not regulated as Dangerous Goods according to the ADG Code .

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.

Transport in bulk according to Annex II of Marpol and the IBC Code : Not available.

Section 15. Regulatory information

Standard Uniform Schedule of Medicine and Poisons

Not regulated.

Model Work Health and Safety Regulations - Scheduled Substances

No listed substance

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.

Inventory list

| | |
|--------------------------|--|
| Australia | : All components are listed or exempted. |
| Canada | : All components are listed or exempted. |
| China | : All components are listed or exempted. |
| Europe | : <input checked="" type="checkbox"/> All components are listed or exempted. |
| Japan | : <input checked="" type="checkbox"/> 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 | : All components are listed or exempted. |
| Taiwan | : <input checked="" type="checkbox"/> All components are listed or exempted. |
| Thailand | : <input checked="" type="checkbox"/> Not determined. |
| Turkey | : <input checked="" type="checkbox"/> Not determined. |
| United States | : All components are listed or exempted. |
| Viet Nam | : <input checked="" type="checkbox"/> Not determined. |

Section 16. Any other relevant information

History

Date of issue/Date of revision : 21/01/2018

Date of previous issue : 23/01/2015.

Version : 5

Key to abbreviations

ADG = Australian Dangerous Goods
 ATE = Acute Toxicity Estimate
 BCF = Bioconcentration Factor
 GHS = Globally Harmonized System of Classification and Labelling of Chemicals
 IATA = International Air Transport Association
 IBC = Intermediate Bulk Container
 IMDG = International Maritime Dangerous Goods
 LogPow = logarithm of the octanol/water partition coefficient
 MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
 NOHSC = National Occupational Health and Safety Commission

Section 16. Any other relevant information

SUSMP = Standard Uniform Schedule of Medicine and Poisons
UN = United Nations

Procedure used to derive the classification

| Classification | Justification |
|-----------------|---------------|
| Not classified. | |

References : Not available.

✔ Indicates information that has changed from previously issued version.

Notice to reader

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