# SAFETY DATA SHEET

## SureSelect XT Methyl-Seq Reagent Kits - 96 Reactions - Revised Configuration, Part Number G9651B

## Section 1. Identification

<table>
<thead>
<tr>
<th>Product identifier</th>
<th>SureSelect XT Methyl-Seq Reagent Kits - 96 Reactions - Revised Configuration, Part Number G9651B</th>
</tr>
</thead>
<tbody>
<tr>
<td>Part no. (chemical kit)</td>
<td>G9651B</td>
</tr>
<tr>
<td>Part no.</td>
<td>10X End Repair Buffer 5190-3609, 5X T4 DNA Ligase Buffer 5190-3610, Klenow DNA Polymerase 5190-3615, T4 DNA Ligase 5190-3612, T4 DNA Polymerase 5190-3614, T4 Polynucleotide Kinase 5190-3616, dNTP Mix 5190-3618, 10x Klenow Polymerase Buffer 5190-3611, Exo(-) Klenow 5190-3613, dATP 5190-3617, SureSelect Methyl-Seq Methylated Adapter 5190-4970, SureSelect Methyl-Seq Indexing Primer Common 5190-4973, SureSelect Methyl-Seq PCR1 primer F 5190-4971, SureSelect Methyl-Seq PCR1 primer R 5190-4972, SureSelect Methyl-Seq PCR Master Mix 5190-7911, SureSelect XT 8 bp Indexes 5190-7928, SureSelect Hyb 1 5190-4404, SureSelect Hyb 2 5190-4405, SureSelect Hyb 4 5190-4406, SureSelect Binding Buffer 5190-4407, SureSelect Wash Buffer 1 5190-4408, SureSelect Wash Buffer 2 5190-4409, SureSelect Elution Buffer 5190-4410, SureSelect Block 2 5190-4384, SureSelect Hyb 3 5190-4385, SureSelect RNase Block 5190-4386, SureSelect Indexing Block 1 5190-4428, SureSelect Methyl-Seq Block 3 5190-5005</td>
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</table>

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

**Material uses**: Analytical reagent.

- **10X End Repair Buffer**: 1.4 ml (96 reactions)
- **5X T4 DNA Ligase Buffer**: 1.4 ml (96 reactions)
- **Klenow DNA Polymerase**: 0.29 ml (96 reactions)
- **T4 DNA Ligase**: 0.21 ml (96 reactions)
- **T4 DNA Polymerase**: 0.14 ml (96 reactions)
- **T4 Polynucleotide Kinase**: 0.3 ml (96 reactions)
- **dNTP Mix**: 0.23 ml (96 reactions)
- **10x Klenow Polymerase Buffer**: 0.8 ml (96 reactions)
- **Exo(-) Klenow**: 0.49 ml (96 reactions)
- **dATP**: 0.16 ml (96 reactions)
- **SureSelect Methyl-Seq Methylated Adapter**: 0.5 ml (96 reactions)
- **SureSelect Methyl-Seq Indexing Primer Common**: 0.3 ml (96 reactions)
- **SureSelect Methyl-Seq PCR1 primer F**: 0.3 ml (96 reactions)
- **SureSelect Methyl-Seq PCR1 primer R**: 0.3 ml (96 reactions)
- **SureSelect Methyl-Seq PCR Master Mix**: 7.92 ml (96 reactions)
- **SureSelect XT 8 bp Indexes**: 1.44 ml (0.015 ml x 96 reactions)
- **SureSelect Hyb 1**: 2.4 ml
- **SureSelect Hyb 2**: 0.096 ml
### Section 1. Identification

- **SureSelect Hyb 4**: 1.25 ml
- **SureSelect Binding Buffer**: 80 ml
- **SureSelect Wash Buffer 1**: 48 ml
- **SureSelect Wash Buffer 2**: 144 ml
- **SureSelect Elution Buffer**: 5.8 ml
- **SureSelect Block 2**: 0.24 ml
- **SureSelect Hyb 3**: 0.96 ml
- **SureSelect RNase Block**: 0.096 ml
- **SureSelect Indexing Block 1**: 0.24 ml
- **SureSelect Methyl-Seq Block 3**: 0.058 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

- **5X T4 DNA Ligase Buffer**
  - H319: SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2A

- **SureSelect Hyb 1**
  - H319: SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2A

- **SureSelect Hyb 2**
  - H319: SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2A
  - H373: SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE (respiratory tract) - Category 2

- **5X End Repair Buffer**
  - Percentage of the mixture consisting of ingredient(s) of unknown dermal toxicity: 1 - 10%
  - Percentage of the mixture consisting of ingredient(s) of unknown inhalation toxicity: 10 - 30%
  - Percentage of the mixture consisting of ingredient(s) of unknown oral toxicity: 1 - 10%

- **5X T4 DNA Ligase Buffer**
  - Percentage of the mixture consisting of ingredient(s) of unknown dermal toxicity: 1 - 10%
  - Percentage of the mixture consisting of ingredient(s) of unknown inhalation toxicity: 10 - 30%
  - Percentage of the mixture consisting of ingredient(s) of unknown oral toxicity: 1 - 10%

- **Klenow DNA Polymerase**
  - Percentage of the mixture consisting of ingredient(s) of unknown dermal toxicity: 1 - 10%
  - Percentage of the mixture consisting of ingredient(s) of unknown inhalation toxicity: 30 - 60%
  - Percentage of the mixture consisting of ingredient(s) of unknown oral toxicity: 1 - 10%

- **T4 DNA Ligase**
  - Percentage of the mixture consisting of ingredient(s) of unknown inhalation toxicity: 30 - 60%

- **T4 DNA Polymerase**
  - Percentage of the mixture consisting of ingredient(s) of unknown dermal toxicity: 1 - 10%
  - Percentage of the mixture consisting of ingredient(s) of unknown inhalation toxicity: 30 - 60%
  - Percentage of the mixture consisting of ingredient(s) of unknown oral toxicity: 1 - 10%

- **T4 Polynucleotide Kinase**
  - Percentage of the mixture consisting of ingredient(s) of unknown inhalation toxicity: 30 - 60%
## Section 2. Hazard(s) identification

<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage of the mixture consisting of ingredient(s) of unknown dermal toxicity</th>
<th>Percentage of the mixture consisting of ingredient(s) of unknown inhalation toxicity</th>
<th>Percentage of the mixture consisting of ingredient(s) of unknown oral toxicity</th>
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<td>dNTP Mix</td>
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<td>1 - 10%</td>
<td>1 - 10%</td>
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<td>1 - 10%</td>
<td>1 - 10%</td>
<td>1 - 10%</td>
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<tr>
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</tbody>
</table>

**GHS label elements**

Date of issue/Date of revision: 18/10/2018  
Date of previous issue: 31/01/2017  
Version: 3
Section 2. Hazard(s) identification

### Hazard pictograms

- **10X End Repair Buffer**
- **5X T4 DNA Ligase Buffer**
- **Klenow DNA Polymerase**
- **T4 DNA Ligase**
- **T4 DNA Polymerase**
- **T4 Polynucleotide Kinase**
- **dNTP Mix**
- **10x Klenow Polymerase Buffer**
- **Exo(-) Klenow**
- **dATP**
- **SureSelect Methyl-Seq Methylated Adapter**
- **SureSelect Methyl-Seq Indexing Primer Common**
- **SureSelect Methyl-Seq PCR1 primer F**
- **SureSelect Methyl-Seq PCR1 primer R**
- **SureSelect Methyl-Seq PCR Master Mix**
- **SureSelect XT 8 bp Indexes**
- **SureSelect Hyb 1**
- **SureSelect Hyb 2**
- **SureSelect Hyb 4**
- **SureSelect Binding Buffer**
- **SureSelect Wash Buffer 1**
- **SureSelect Wash Buffer 2**
- **SureSelect Elution Buffer**
- **SureSelect Block 2**
- **SureSelect Hyb 3**
- **SureSelect RNase Block**
- **SureSelect Indexing Block 1**
- **SureSelect Methyl-Seq Block 3**

### Signal word

- **10X End Repair Buffer**: No signal word.
- **5X T4 DNA Ligase Buffer**: WARNING
- **Klenow DNA Polymerase**: No signal word.
- **T4 DNA Ligase**: No signal word.
- **T4 DNA Polymerase**: No signal word.
- **T4 Polynucleotide Kinase**: No signal word.
- **dNTP Mix**: No signal word.
- **10x Klenow Polymerase Buffer**: No signal word.
- **Exo(-) Klenow**: No signal word.
- **dATP**: No signal word.
- **SureSelect Methyl-Seq Methylated Adapter**: No signal word.
- **SureSelect Methyl-Seq Indexing Primer Common**: No signal word.
- **SureSelect Methyl-Seq PCR1 primer F**: No signal word.
- **SureSelect Methyl-Seq PCR1 primer R**: No signal word.
- **SureSelect Methyl-Seq PCR Master Mix**: No signal word.
- **SureSelect XT 8 bp Indexes**: No signal word.
- **SureSelect Hyb 1**: WARNING
- **SureSelect Hyb 2**: WARNING
- **SureSelect Hyb 4**: No signal word.
- **SureSelect Binding Buffer**: No signal word.
- **SureSelect Wash Buffer 1**: No signal word.
- **SureSelect Wash Buffer 2**: No signal word.
- **SureSelect Elution Buffer**: No signal word.
- **SureSelect Block 2**: No signal word.
- **SureSelect Hyb 3**: No signal word.
- **SureSelect RNase Block**: No signal word.
- **SureSelect Indexing Block 1**: No signal word.
- **SureSelect Methyl-Seq Block 3**: No signal word.

### Hazard statements

- **10X End Repair Buffer**: No known significant effects or critical hazards.
- **5X T4 DNA Ligase Buffer**: No known significant effects or critical hazards.
- **Klenow DNA Polymerase**: No known significant effects or critical hazards.
- **T4 DNA Ligase**: No known significant effects or critical hazards.
- **T4 DNA Polymerase**: No known significant effects or critical hazards.
- **T4 Polynucleotide Kinase**: No known significant effects or critical hazards.
- **dNTP Mix**: No known significant effects or critical hazards.
- **10x Klenow Polymerase Buffer**: No known significant effects or critical hazards.
- **Exo(-) Klenow**: No known significant effects or critical hazards.
- **dATP**: No known significant effects or critical hazards.
- **SureSelect Methyl-Seq Methylated Adapter**: No known significant effects or critical hazards.
### Section 2. Hazard(s) identification

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Hazard(s)</th>
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<tbody>
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<td>SureSelect Methyl-Seq Indexing Primer Common</td>
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<td>SureSelect Methyl-Seq PCR1 primer F</td>
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</tr>
<tr>
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<tr>
<td>SureSelect Methyl-Seq PCR Master Mix</td>
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<tr>
<td>SureSelect XT 8 bp Indexes</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>SureSelect Hyb 1</td>
<td>H319 - Causes serious eye irritation.</td>
</tr>
<tr>
<td>SureSelect Hyb 2</td>
<td>H319 - Causes serious eye irritation.</td>
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<td>SureSelect Hyb 4</td>
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<tr>
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<tr>
<td>SureSelect Wash Buffer 2</td>
<td>No known significant effects or critical hazards.</td>
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<tr>
<td>SureSelect Elution Buffer</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>SureSelect Block 2</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>SureSelect Hyb 3</td>
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<tr>
<td>SureSelect RNase Block</td>
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<tr>
<td>SureSelect Indexing Block 1</td>
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</tr>
<tr>
<td>SureSelect Methyl-Seq Block 3</td>
<td>No known significant effects or critical hazards.</td>
</tr>
</tbody>
</table>

### Precautionary statements

#### Prevention

- **10X End Repair Buffer**
  - Not applicable.
- **5X T4 DNA Ligase Buffer**
  - P280 - Wear eye or face protection.
  - P264 - Wash hands thoroughly after handling.
- **Klenow DNA Polymerase**
  - Not applicable.
- **T4 DNA Ligase**
  - Not applicable.
- **T4 DNA Polymerase**
  - Not applicable.
- **T4 Polynucleotide Kinase**
  - Not applicable.
- **dNTP Mix**
  - Not applicable.
- **10x Klenow Polymerase Buffer**
  - Not applicable.
- **Exo(-) Klenow**
  - Not applicable.
- **dATP**
  - Not applicable.
- **SureSelect Methyl-Seq Methylated Adapter**
  - Not applicable.
- **SureSelect Methyl-Seq Indexing Primer Common**
  - Not applicable.
- **PCR1 primer F**
  - Not applicable.
- **PCR1 primer R**
  - Not applicable.
- **SureSelect Methyl-Seq PCR Master Mix**
  - Not applicable.
- **SureSelect XT 8 bp Indexes**
  - Not applicable.
- **SureSelect Hyb 1**
  - P280 - Wear eye or face protection.
  - P264 - Wash hands thoroughly after handling.
- **SureSelect Hyb 2**
  - P280 - Wear eye or face protection.
  - P260 - Do not breathe vapour.
  - P264 - Wash hands thoroughly after handling.
- **SureSelect Hyb 4**
  - Not applicable.
- **SureSelect Binding Buffer**
  - Not applicable.
- **SureSelect Wash Buffer 1**
  - Not applicable.
- **SureSelect Wash Buffer 2**
  - Not applicable.
- **SureSelect Elution Buffer**
  - Not applicable.
- **SureSelect Block 2**
  - Not applicable.
- **SureSelect Hyb 3**
  - Not applicable.
- **SureSelect RNase Block**
  - Not applicable.
- **SureSelect Indexing Block 1**
  - Not applicable.
- **SureSelect Methyl-Seq Block 3**
  - Not applicable.
Section 2. Hazard(s) identification

**Response**

<table>
<thead>
<tr>
<th>Item</th>
<th>Response</th>
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<tbody>
<tr>
<td>10X End Repair Buffer</td>
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<tr>
<td>5X T4 DNA Ligase Buffer</td>
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<td>Klenow DNA Polymerase</td>
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<td>T4 DNA Ligase</td>
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<td>dNTP Mix</td>
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<td>10x Klenow Polymerase Buffer</td>
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<td>Exo(-) Klenow</td>
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<td>dATP</td>
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<td>SureSelect Methyl-Seq Methylation Adapter</td>
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<tr>
<td>SureSelect Methyl-Seq Indexing Primer Common</td>
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<td>SureSelect XT 8 bp Indexes</td>
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<tr>
<td>SureSelect Hyb 1</td>
<td>P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 - If eye irritation persists: Get medical attention.</td>
</tr>
<tr>
<td>SureSelect Hyb 2</td>
<td>P314 - Get medical attention if you feel unwell. P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 - If eye irritation persists: Get medical attention.</td>
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**Storage**

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<td>dATP</td>
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<tr>
<td>SureSelect Methyl-Seq Methylation Adapter</td>
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## Section 2. Hazard(s) identification

<table>
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<tbody>
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### Disposal

- P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.

### Supplemental label elements

<table>
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### Section 2. Hazard(s) identification

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<th>10X End Repair Buffer</th>
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<td>5X T4 DNA Ligase Buffer</td>
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</tr>
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</tr>
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</tr>
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<tr>
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<table>
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<tr>
<th>Other hazards which do not result in classification</th>
<th>10X End Repair Buffer</th>
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<tr>
<td>5X T4 DNA Ligase Buffer</td>
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<td>Klenow DNA Polymerase</td>
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<td>T4 DNA Polymerase</td>
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Section 2. Hazard(s) identification

- SureSelect Wash Buffer 2: None known.
- SureSelect Elution Buffer: None known.
- SureSelect Block 2: None known.
- SureSelect Hyb 3: None known.
- SureSelect RNase Block: None known.
- SureSelect Indexing Block 1: None known.
- SureSelect Methyl-Seq Block 3: None known.

Section 3. Composition and ingredient information

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<tr>
<th>Substance/mixture</th>
<th>Ingredient name</th>
<th>% (w/w)</th>
<th>CAS number</th>
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<tr>
<td>10X End Repair Buffer</td>
<td>5X T4 DNA Ligase Buffer</td>
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<td>T4 DNA Ligase</td>
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<td>T4 DNA Polymerase</td>
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</tr>
<tr>
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<td>T4 Polynucleotide Kinase</td>
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<tr>
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<td>dNTP Mix</td>
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<td>Exo(-) Klenow</td>
<td>Mixture</td>
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</tr>
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<td>dATP</td>
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<td>PCR1 primer F</td>
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<td>SureSelect Methyl-Seq</td>
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<td>PCR1 primer R</td>
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<td>SureSelect Binding Buffer</td>
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<td>SureSelect RNase Block</td>
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<tr>
<td></td>
<td>SureSelect Methyl-Seq Block 3</td>
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CAS number/other identifiers

- 5X T4 DNA Ligase Buffer
  - Polyethylene glycol: ≥10 - ≤30
  - 2-Amino-2-(hydroxymethyl)propane-1,3-diol hydrochloride: ≤5

- Klenow DNA Polymerase
  - Glycerol: ≥30 - ≤60

- T4 DNA Ligase
  - Glycerol: ≥30 - ≤60

- T4 DNA Polymerase
  - Glycerol: ≥30 - ≤60
Section 3. Composition and ingredient information

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Glycerol</th>
<th>Sodium chloride</th>
<th>Disodium dihydrogen ethylenediaminetetraacetate</th>
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<th>Sodium chloride</th>
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<td>7647-14-5</td>
<td>139-33-3</td>
<td>≥30 - ≤60</td>
<td>56-81-5</td>
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<tr>
<td>Exo(-) Klenow</td>
<td>≥10 - ≤30</td>
<td>7647-14-5</td>
<td>139-33-3</td>
<td>≥30 - ≤60</td>
<td>56-81-5</td>
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<td>SureSelect Methyl-Seq PCR Master Mix</td>
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</table>

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

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

Section 4. First aid measures

**Description of necessary first aid measures**

- **Eye contact**: 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.

- **5X T4 DNA Ligase Buffer**: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.

- **Klenow DNA Polymerase**: 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.

- **T4 DNA Ligase**: 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.

- **T4 DNA Polymerase**: 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.

- **T4 Polynucleotide Kinase**: 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.

- **dNTP Mix**: 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.

- **10x Klenow Polymerase 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.

- **Exo(-) Klenow**: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids.
Section 4. First aid measures

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Instructions</th>
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<tr>
<td>dATP</td>
<td>Check for and remove any contact lenses. Get medical attention if irritation</td>
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<tr>
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<td>occurs. Immediately flush eyes with plenty of water, occasionally lifting the</td>
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<tr>
<td></td>
<td>upper and lower eyelids. Check for and remove any contact lenses. Get</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq Indexing Primer Common</td>
<td>medical attention if irritation occurs.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq PCR1 primer F</td>
<td>Check for and remove any contact lenses. Get medical attention if irritation</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq PCR1 primer R</td>
<td>occurs. Immediately flush eyes with plenty of water, occasionally lifting the</td>
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<td>upper and lower eyelids. Check for and remove any contact lenses. Get</td>
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<tr>
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</tr>
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<td>SureSelect Hyb 1</td>
<td>occurs. Immediately flush eyes with plenty of water, occasionally lifting the</td>
</tr>
<tr>
<td></td>
<td>upper and lower eyelids. Check for and remove any contact lenses. Continue</td>
</tr>
<tr>
<td></td>
<td>to rinse for at least 10 minutes. Get medical attention.</td>
</tr>
<tr>
<td>SureSelect Hyb 2</td>
<td>Immediately flush eyes with plenty of water, occasionally lifting the upper</td>
</tr>
<tr>
<td></td>
<td>and lower eyelids. Check for and remove any contact lenses. Continue</td>
</tr>
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<td>to rinse for at least 10 minutes. Get medical attention.</td>
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<tr>
<td>SureSelect Hyb 4</td>
<td>Immediately flush eyes with plenty of water, occasionally lifting the upper</td>
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<td>and lower eyelids. Check for and remove any contact lenses. Get medical</td>
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<tr>
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<td>attention if irritation occurs.</td>
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<tr>
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<td>and lower eyelids. Check for and remove any contact lenses. Get medical</td>
</tr>
<tr>
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<td>attention if irritation occurs.</td>
</tr>
<tr>
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<td>and lower eyelids. Check for and remove any contact lenses. Get medical</td>
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<td>attention if irritation occurs.</td>
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<td>Immediately flush eyes with plenty of water, occasionally lifting the upper</td>
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<td>and lower eyelids. Check for and remove any contact lenses. Get medical</td>
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<td>attention if irritation occurs.</td>
</tr>
<tr>
<td>SureSelect Elution Buffer</td>
<td>Immediately flush eyes with plenty of water, occasionally lifting the upper</td>
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<tr>
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<td>and lower eyelids. Check for and remove any contact lenses. Get medical</td>
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<td>attention if irritation occurs.</td>
</tr>
<tr>
<td>SureSelect Block 2</td>
<td>Immediately flush eyes with plenty of water, occasionally lifting the upper</td>
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<td>and lower eyelids. Check for and remove any contact lenses. Get medical</td>
</tr>
<tr>
<td></td>
<td>attention if irritation occurs.</td>
</tr>
<tr>
<td>SureSelect Hyb 3</td>
<td>Immediately flush eyes with plenty of water, occasionally lifting the upper</td>
</tr>
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<td>and lower eyelids.</td>
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</table>

Date of issue/Date of revision: 18/10/2018

Date of previous issue: 31/01/2017

Version: 3

11/86
**Section 4. First aid measures**

**SureSelect RNase Block**
Check for and remove any contact lenses. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Get medical attention if irritation occurs.

**SureSelect Indexing Block 1**
Check for and remove any contact lenses. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Get medical attention if irritation occurs.

**SureSelect Methyl-Seq Block 3**
Check for and remove any contact lenses. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Get medical attention if irritation occurs.

**Inhalation**

- **10X End Repair Buffer**
  Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

- **5X T4 DNA Ligase Buffer**
  Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

- **Klenow DNA Polymerase**
  Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

- **T4 DNA Ligase**
  Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

- **T4 DNA Polymerase**
  Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

- **T4 Polynucleotide Kinase**
  Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

- **dNTP Mix**
  Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

- **10x Klenow Polymerase Buffer**
  Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

- **Exo(-) Klenow**
  Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

- **dATP**
  Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
Section 4. First aid measures

<table>
<thead>
<tr>
<th>Product</th>
<th>First Aid Measures</th>
</tr>
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<tbody>
<tr>
<td>SureSelect Methyl-Seq Methylated Adapter</td>
<td>Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq Indexing Primer Common</td>
<td>Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq PCR1 primer F</td>
<td>Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq PCR1 primer R</td>
<td>Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq PCR Master Mix</td>
<td>Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.</td>
</tr>
<tr>
<td>SureSelect XT 8 bp Indexes</td>
<td>Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.</td>
</tr>
<tr>
<td>SureSelect Hyb 1</td>
<td>Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.</td>
</tr>
<tr>
<td>SureSelect Hyb 2</td>
<td>Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention following exposure or if feeling unwell. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.</td>
</tr>
<tr>
<td>SureSelect Hyb 4</td>
<td>Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.</td>
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<tr>
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<td>SureSelect Wash Buffer 1</td>
<td>Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.</td>
</tr>
<tr>
<td>SureSelect Wash Buffer 2</td>
<td>Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.</td>
</tr>
<tr>
<td>SureSelect Elution Buffer</td>
<td>Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.</td>
</tr>
<tr>
<td>SureSelect Block 2</td>
<td>Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. In case of inhalation of decomposition products in a fire, symptoms may be</td>
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</tbody>
</table>
SureSelect XT Methyl-Seq Reagent Kits - 96 Reactions - Revised Configuration, Part Number G9651B

Section 4. First aid measures

SureSelect Hyb 3: 10X End Repair Buffer
- Flush contaminated skin with plenty of water.
- Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

SureSelect RNase Block: 5X T4 DNA Ligase Buffer
- Flush contaminated skin with plenty of water.
- Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

SureSelect Indexing Block 1: Klenow DNA Polymerase
- Flush contaminated skin with plenty of water.
- Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

SureSelect Methyl-Seq Block 3: T4 DNA Polymerase
- Flush contaminated skin with plenty of water.
- Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

Skins contact

<table>
<thead>
<tr>
<th>Product</th>
<th>First Aid Measures</th>
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<tbody>
<tr>
<td>SureSelect Hyb 3</td>
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<tr>
<td>SureSelect RNase Block</td>
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<tr>
<td>SureSelect Indexing Block 1</td>
<td>Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq Block 3</td>
<td>Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.</td>
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</table>

**Skin contact:**

<table>
<thead>
<tr>
<th>Product</th>
<th>First Aid Measures</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin contact</td>
<td>10X End Repair Buffer</td>
</tr>
<tr>
<td></td>
<td>Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.</td>
</tr>
<tr>
<td></td>
<td>5X T4 DNA Ligase Buffer</td>
</tr>
<tr>
<td></td>
<td>Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.</td>
</tr>
<tr>
<td></td>
<td>Klenow DNA Polymerase</td>
</tr>
<tr>
<td></td>
<td>Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.</td>
</tr>
<tr>
<td></td>
<td>T4 DNA Ligase</td>
</tr>
<tr>
<td></td>
<td>Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.</td>
</tr>
<tr>
<td></td>
<td>T4 DNA Polymerase</td>
</tr>
<tr>
<td></td>
<td>Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.</td>
</tr>
<tr>
<td></td>
<td>T4 Polynucleotide Kinase</td>
</tr>
<tr>
<td></td>
<td>Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.</td>
</tr>
<tr>
<td></td>
<td>dNTP Mix</td>
</tr>
<tr>
<td></td>
<td>Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.</td>
</tr>
<tr>
<td></td>
<td>10x Klenow Polymerase Buffer</td>
</tr>
<tr>
<td></td>
<td>Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.</td>
</tr>
<tr>
<td></td>
<td>Exo(-) Klenow</td>
</tr>
<tr>
<td></td>
<td>Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.</td>
</tr>
<tr>
<td></td>
<td>dATP</td>
</tr>
<tr>
<td></td>
<td>Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.</td>
</tr>
<tr>
<td></td>
<td>SureSelect Methyl-Seq Methylated Adapter</td>
</tr>
<tr>
<td></td>
<td>Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.</td>
</tr>
<tr>
<td></td>
<td>SureSelect Methyl-Seq Indexing Primer Common</td>
</tr>
<tr>
<td></td>
<td>Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.</td>
</tr>
<tr>
<td></td>
<td>SureSelect Methyl-Seq PCR1 primer F</td>
</tr>
<tr>
<td></td>
<td>Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.</td>
</tr>
<tr>
<td></td>
<td>SureSelect Methyl-Seq PCR1 primer R</td>
</tr>
<tr>
<td></td>
<td>Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.</td>
</tr>
<tr>
<td></td>
<td>SureSelect Methyl-Seq PCR Master Mix</td>
</tr>
<tr>
<td></td>
<td>Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.</td>
</tr>
</tbody>
</table>

**Date of issue/Date of revision:** 18/10/2018

**Date of previous issue:** 31/01/2017

**Version:** 3

14/86
Section 4. First aid measures

SureSelect XT 8 bp Indexes  
Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

SureSelect Hyb 1  
Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.

SureSelect Hyb 2  
Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention following exposure or if feeling unwell. Wash clothing before reuse. Clean shoes thoroughly before reuse.

SureSelect Hyb 3  
Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

SureSelect Hyb 4  
Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

SureSelect Binding Buffer  
Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

SureSelect Wash Buffer 1  
Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

SureSelect Wash Buffer 2  
Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

SureSelect Elution Buffer  
Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

SureSelect Block 2  
Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

SureSelect Hyb 3  
Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

SureSelect RNase Block  
Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

SureSelect Indexing Block 1  
Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

SureSelect Methyl-Seq Block 3  
Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

Ingestion:  
10X End Repair Buffer  
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.

5X T4 DNA Ligase Buffer  
Wash out mouth with water. Remove dentures if any. 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. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open
Section 4. First aid measures

**Klenow DNA Polymerase**
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.

**T4 DNA Ligase**
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.

**T4 DNA Polymerase**
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.

**T4 Polynucleotide Kinase**
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.

**dNTP Mix**
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.

**10x Klenow Polymerase Buffer**
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.

**Exo(-) Klenow**
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.

**dATP**
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 Methyl-Seq Methylated Adapter**
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
### Section 4. First aid measures

<table>
<thead>
<tr>
<th>SureSelect XT Methyl-Seq Reagent Kits - 96 Reactions - Revised Configuration, Part Number G9651B</th>
</tr>
</thead>
<tbody>
<tr>
<td>SureSelect Methyl-Seq Indexing Primer Common</td>
</tr>
<tr>
<td>Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq PCR1 primer F</td>
</tr>
<tr>
<td>Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq PCR1 primer R</td>
</tr>
<tr>
<td>Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq PCR Master Mix</td>
</tr>
<tr>
<td>Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.</td>
</tr>
<tr>
<td>SureSelect XT 8 bp Indexes</td>
</tr>
<tr>
<td>SureSelect Hyb 1</td>
</tr>
<tr>
<td>SureSelect Hyb 2</td>
</tr>
</tbody>
</table>
Section 4. First aid measures

following exposure or if feeling unwell. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

SureSelect Hyb 4
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 Binding Buffer
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 Wash Buffer 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 Wash Buffer 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.

SureSelect Elution Buffer
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 Block 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.

SureSelect Hyb 3
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 RNase Block
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 Indexing Block 1
Wash out mouth with water. Remove victim to fresh
SureSelect XT Methyl-Seq Reagent Kits - 96 Reactions - Revised Configuration, Part Number G9651B

Section 4. First aid measures

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 Methyl-Seq Block 3

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

<table>
<thead>
<tr>
<th>Product</th>
<th>Symptoms/Effects</th>
</tr>
</thead>
<tbody>
<tr>
<td>10X End Repair Buffer</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>5X T4 DNA Ligase Buffer</td>
<td>Causes serious eye irritation.</td>
</tr>
<tr>
<td>Klenow DNA Polymerase</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>T4 DNA Ligase</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>T4 DNA Polymerase</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>T4 Polynucleotide Kinase</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>dNTP Mix</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>10x Klenow Polymerase Buffer</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>Exo(-) Klenow</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>dATP</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq Methylated Adapter</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq Indexing Primer Common</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>PCR1 primer F</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>PCR1 primer R</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq PCR Master Mix</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>SureSelect XT 8 bp Indexes</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>SureSelect Hyb 1</td>
<td>Causes serious eye irritation.</td>
</tr>
<tr>
<td>SureSelect Hyb 2</td>
<td>Causes serious eye irritation.</td>
</tr>
<tr>
<td>SureSelect Hyb 4</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>SureSelect Binding Buffer</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>SureSelect Wash Buffer 1</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>SureSelect Wash Buffer 2</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>SureSelect Elution Buffer</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>SureSelect Block 2</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>SureSelect Hyb 3</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>SureSelect RNase Block</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>SureSelect Indexing Block 1</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq Block 3</td>
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</tr>
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</table>

Inhalation

<table>
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<tr>
<th>Product</th>
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<tr>
<td>10X End Repair Buffer</td>
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</tr>
<tr>
<td>T4 DNA Ligase</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>T4 DNA Polymerase</td>
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</tr>
<tr>
<td>T4 Polynucleotide Kinase</td>
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</tr>
<tr>
<td>dNTP Mix</td>
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</tr>
<tr>
<td>10x Klenow Polymerase Buffer</td>
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</tr>
<tr>
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</tr>
<tr>
<td>dATP</td>
<td>No known significant effects or critical hazards.</td>
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Date of issue/Date of revision : 18/10/2018
Date of previous issue : 31/01/2017
Version : 3
## Section 4. First aid measures

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<tr>
<th>Item</th>
<th>Effect or Hazard</th>
</tr>
</thead>
<tbody>
<tr>
<td>SureSelect Methyl-Seq Methylated Adapter</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq Indexing Primer Common</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq PCR1 primer F</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq PCR1 primer R</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq PCR Master Mix</td>
<td>No known significant effects or critical hazards.</td>
</tr>
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<td>SureSelect XT 8 bp Indexes</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>SureSelect Hyb 1</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>SureSelect Hyb 2</td>
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</tr>
<tr>
<td>SureSelect Hyb 4</td>
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</tr>
<tr>
<td>SureSelect Binding Buffer</td>
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<tr>
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<tr>
<td>SureSelect Methylation Block 3</td>
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### Skin contact:

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<td>Klenow DNA Polymerase</td>
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<tr>
<td>SureSelect Methyl-Seq Methylated Adapter</td>
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<td>SureSelect Methyl-Seq Indexing Primer Common</td>
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<tr>
<td>SureSelect Methyl-Seq PCR1 primer F</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq PCR1 primer R</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq PCR Master Mix</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>SureSelect XT 8 bp Indexes</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>SureSelect Hyb 1</td>
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<tr>
<td>SureSelect Hyb 2</td>
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<tr>
<td>SureSelect Block 2</td>
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</tr>
<tr>
<td>SureSelect Hyb 3</td>
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</tr>
<tr>
<td>SureSelect RNase Block</td>
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<tr>
<td>SureSelect Indexing Block 1</td>
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</tr>
<tr>
<td>SureSelect Methylation Block 3</td>
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</tr>
<tr>
<td>Block 3</td>
<td>No known significant effects or critical hazards.</td>
</tr>
</tbody>
</table>

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- Version: 3
### Section 4. First aid measures

#### Ingestion
- **10X End Repair Buffer**: No known significant effects or critical hazards.
- **5X T4 DNA Ligase Buffer**: No known significant effects or critical hazards.
- **Klenow DNA Polymerase**: No known significant effects or critical hazards.
- **T4 DNA Ligase**: No known significant effects or critical hazards.
- **T4 DNA Polymerase**: No known significant effects or critical hazards.
- **T4 Polynucleotide Kinase**: No known significant effects or critical hazards.
- **dNTP Mix**: No known significant effects or critical hazards.
- **10x Klenow Polymerase Buffer**: No known significant effects or critical hazards.
- **Exo(-) Klenow**: No known significant effects or critical hazards.
- **dATP**: No known significant effects or critical hazards.
- **SureSelect Methyl-Seq Methylated Adapter**: No known significant effects or critical hazards.
- **SureSelect Methyl-SeqIndexing Primer Common**: No known significant effects or critical hazards.
- **SureSelect Methyl-Seq PCR1 primer F**: No known significant effects or critical hazards.
- **SureSelect Methyl-Seq PCR1 primer R**: No known significant effects or critical hazards.
- **SureSelect Methyl-Seq PCR Master Mix**: No known significant effects or critical hazards.
- **SureSelect XT 8 bp Indexes**: No known significant effects or critical hazards.
- **SureSelect Hyb 1**: No known significant effects or critical hazards.
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- **SureSelect Hyb 3**: No known significant effects or critical hazards.
- **SureSelect Hyb 4**: No known significant effects or critical hazards.
- **SureSelect Binding Buffer**: No known significant effects or critical hazards.
- **SureSelect Wash Buffer 1**: No known significant effects or critical hazards.
- **SureSelect Wash Buffer 2**: No known significant effects or critical hazards.
- **SureSelect Elution Buffer**: No known significant effects or critical hazards.
- **SureSelect Block 2**: No known significant effects or critical hazards.
- **SureSelect Rhyme Block**: No known significant effects or critical hazards.
- **SureSelect Indexing Block 1**: No known significant effects or critical hazards.
- **SureSelect Methyl-Seq Block 3**: No known significant effects or critical hazards.

#### Over-exposure signs/symptoms

##### Eye contact
- **10X End Repair Buffer**: No specific data.
- **5X T4 DNA Ligase Buffer**: Adverse symptoms may include the following:
  - pain or irritation
  - watering
  - redness
- **Klenow DNA Polymerase**: No specific data.
- **T4 DNA Ligase**: No specific data.
- **T4 DNA Polymerase**: No specific data.
- **T4 Polynucleotide Kinase**: No specific data.
- **dNTP Mix**: No specific data.
- **10x Klenow Polymerase Buffer**: No specific data.
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- **SureSelect Methyl-SeqIndexing Primer Common**: No specific data.
- **SureSelect Methyl-Seq PCR1 primer F**: No specific data.
- **SureSelect Methyl-Seq PCR1 primer R**: No specific data.
- **SureSelect Methyl-Seq PCR Master Mix**: No specific data.
- **SureSelect XT 8 bp Indexes**: No specific data.
- **SureSelect Hyb 1**: Adverse symptoms may include the following:
  - pain or irritation
## Section 4. First aid measures

### Inhalation

<table>
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<tr>
<th>Reagent</th>
<th>Description</th>
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<tbody>
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### Skin contact

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## Section 4. First aid measures

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<th>Indication</th>
<th>Notes</th>
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<tr>
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### Indication of immediate medical attention and special treatment needed, if necessary

- **Ingestion:**
  - 10X End Repair Buffer
  - 5X T4 DNA Ligase Buffer
  - Klenow DNA Polymerase Buffer
  - T4 DNA Ligase
  - T4 DNA Polymerase
  - T4 Polynucleotide Kinase
  - dNTP Mix
  - 10x Klenow Polymerase Buffer
  - Exo(-) Klenow
  - dATP
  - SureSelect Methyl-Seq Methylated Adapter
  - SureSelect Methyl-Seq Indexing Primer Common
  - PCR1 primer F
  - PCR1 primer R
  - SureSelect Methyl-Seq PCR Master Mix
  - SureSelect XT 8 bp Indexes
  - SureSelect Hyb 1
  - SureSelect Hyb 2
  - SureSelect Hyb 4
  - SureSelect Binding Buffer
  - SureSelect Wash Buffer 1
  - SureSelect Wash Buffer 2
  - SureSelect Elution Buffer
  - SureSelect Block 2
  - SureSelect Hyb 3
  - SureSelect RNase Block
  - SureSelect Indexing Block 1
  - SureSelect Methyl-Seq Block 3

*Date of issue/Date of revision*: 18/10/2018
*Date of previous issue*: 31/01/2017
*Version*: 3
## Section 4. First aid measures

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<thead>
<tr>
<th>Notes to physician</th>
<th>10X End Repair Buffer</th>
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<td>In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.</td>
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<thead>
<tr>
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<td>In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.</td>
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<table>
<thead>
<tr>
<th>Klenow DNA Polymerase</th>
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<tbody>
<tr>
<td>Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.</td>
</tr>
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<thead>
<tr>
<th>T4 DNA Ligase</th>
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<tr>
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<table>
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<tr>
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<td>Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.</td>
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<td>Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.</td>
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<table>
<thead>
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<table>
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<table>
<thead>
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<td>Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.</td>
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<table>
<thead>
<tr>
<th>SureSelect Hyb 2</th>
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<tr>
<td>In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.</td>
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<table>
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Section 4. First aid measures

<table>
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<th>SureSelect Wash Buffer 1</th>
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<tr>
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Specific treatments:
- 10X End Repair Buffer: No specific treatment.
- 5X T4 DNA Ligase Buffer: No specific treatment.
- T4 DNA Ligase: No specific treatment.
- T4 DNA Polymerase: No specific treatment.
- T4 Polynucleotide Kinase: No specific treatment.
- dNTP Mix: No specific treatment.
- 10x Klenow Polymerase Buffer: No specific treatment.
- Exo(-) Klenow: No specific treatment.
- dATP: No specific treatment.
- SureSelect Methyl-Seq Methylated Adapter: No specific treatment.
- SureSelect Methyl-Seq Indexing Primer Common: No specific treatment.
- SureSelect Methyl-Seq PCR1 primer F: No specific treatment.
- SureSelect Methyl-Seq PCR1 primer R: No specific treatment.
- SureSelect Methyl-Seq PCR Master Mix: No specific treatment.
- SureSelect XT 8 bp Indexes: No specific treatment.
- SureSelect Hyb 1: No specific treatment.
- SureSelect Hyb 2: No specific treatment.
- SureSelect Hyb 4: No specific treatment.
- SureSelect Binding Buffer: No specific treatment.
- SureSelect Wash Buffer 1: No specific treatment.
- SureSelect Wash Buffer 2: No specific treatment.
- SureSelect Elution Buffer: No specific treatment.
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- SureSelect Hyb 3: No specific treatment.
- SureSelect RNase Block: No specific treatment.
- SureSelect Indexing Block 1: No specific treatment.
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## Section 4. First aid measures

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<th>Reagent Kit</th>
<th>First aid measures</th>
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<tr>
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<td>No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.</td>
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<td>SureSelect Hyb 4</td>
<td>No action shall be taken involving any personal risk or without suitable training.</td>
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</tr>
<tr>
<td>SureSelect Elution Buffer</td>
<td>No action shall be taken involving any personal risk or without suitable training.</td>
<td></td>
</tr>
<tr>
<td>SureSelect Block 2</td>
<td>No action shall be taken involving any personal risk or without suitable training.</td>
<td></td>
</tr>
<tr>
<td>SureSelect Hyb 3</td>
<td>No action shall be taken involving any personal risk or without suitable training.</td>
<td></td>
</tr>
<tr>
<td>SureSelect RNase Block</td>
<td>No action shall be taken involving any personal risk or without suitable training.</td>
<td></td>
</tr>
<tr>
<td>SureSelect Indexing Block 1</td>
<td>No action shall be taken involving any personal risk or without suitable training.</td>
<td></td>
</tr>
<tr>
<td>SureSelect Methyl-Seq Block 3</td>
<td>No action shall be taken involving any personal risk or without suitable training.</td>
<td></td>
</tr>
</tbody>
</table>
Section 4. First aid measures

See toxicological information (Section 11)

Section 5. Firefighting measures

**Extinguishing media**

<table>
<thead>
<tr>
<th>Suitable extinguishing media</th>
<th>Use an extinguishing agent suitable for the surrounding fire.</th>
</tr>
</thead>
<tbody>
<tr>
<td>10X End Repair Buffer</td>
<td>Use an extinguishing agent suitable for the surrounding fire.</td>
</tr>
<tr>
<td>5X T4 DNA Ligase Buffer</td>
<td>Use an extinguishing agent suitable for the surrounding fire.</td>
</tr>
<tr>
<td>Klenow DNA Polymerase</td>
<td>Use an extinguishing agent suitable for the surrounding fire.</td>
</tr>
<tr>
<td>T4 DNA Ligase</td>
<td>Use an extinguishing agent suitable for the surrounding fire.</td>
</tr>
<tr>
<td>T4 DNA Polymerase</td>
<td>Use an extinguishing agent suitable for the surrounding fire.</td>
</tr>
<tr>
<td>T4 Polynucleotide Kinase</td>
<td>Use an extinguishing agent suitable for the surrounding fire.</td>
</tr>
<tr>
<td>dNTP Mix</td>
<td>Use an extinguishing agent suitable for the surrounding fire.</td>
</tr>
<tr>
<td>10x Klenow Polymerase Buffer</td>
<td>Use an extinguishing agent suitable for the surrounding fire.</td>
</tr>
<tr>
<td>Exo(-) Klenow</td>
<td>Use an extinguishing agent suitable for the surrounding fire.</td>
</tr>
<tr>
<td>dATP</td>
<td>Use an extinguishing agent suitable for the surrounding fire.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq Methylated Adapter</td>
<td>Use an extinguishing agent suitable for the surrounding fire.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq Indexing Primer Common</td>
<td>Use an extinguishing agent suitable for the surrounding fire.</td>
</tr>
<tr>
<td>PCR1 primer F</td>
<td>Use an extinguishing agent suitable for the surrounding fire.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq PCR1 primer R</td>
<td>Use an extinguishing agent suitable for the surrounding fire.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq PCR Master Mix</td>
<td>Use an extinguishing agent suitable for the surrounding fire.</td>
</tr>
<tr>
<td>SureSelect XT 8 bp Indexes</td>
<td>Use an extinguishing agent suitable for the surrounding fire.</td>
</tr>
<tr>
<td>SureSelect Hyb 1</td>
<td>Use an extinguishing agent suitable for the surrounding fire.</td>
</tr>
<tr>
<td>SureSelect Hyb 2</td>
<td>Use an extinguishing agent suitable for the surrounding fire.</td>
</tr>
<tr>
<td>SureSelect Hyb 4</td>
<td>Use an extinguishing agent suitable for the surrounding fire.</td>
</tr>
<tr>
<td>SureSelect Binding Buffer</td>
<td>Use an extinguishing agent suitable for the surrounding fire.</td>
</tr>
<tr>
<td>SureSelect Wash Buffer 1</td>
<td>Use an extinguishing agent suitable for the surrounding fire.</td>
</tr>
<tr>
<td>SureSelect Wash Buffer 2</td>
<td>Use an extinguishing agent suitable for the surrounding fire.</td>
</tr>
<tr>
<td>SureSelect Elution Buffer</td>
<td>Use an extinguishing agent suitable for the surrounding fire.</td>
</tr>
<tr>
<td>SureSelect Block 2</td>
<td>Use an extinguishing agent suitable for the surrounding fire.</td>
</tr>
<tr>
<td>SureSelect Hyb 3</td>
<td>Use an extinguishing agent suitable for the surrounding fire.</td>
</tr>
<tr>
<td>SureSelect RNase Block</td>
<td>Use an extinguishing agent suitable for the surrounding fire.</td>
</tr>
<tr>
<td>SureSelect Indexing Block 1</td>
<td>Use an extinguishing agent suitable for the surrounding fire.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq Block 3</td>
<td>Use an extinguishing agent suitable for the surrounding fire.</td>
</tr>
</tbody>
</table>
Section 5. Firefighting measures

Unsuitable extinguishing media:
- 10X End Repair Buffer
- 5X T4 DNA Ligase Buffer
- Klenow DNA Polymerase
- T4 DNA Ligase
- T4 DNA Polymerase
- T4 Polynucleotide Kinase
- dNTP Mix
- 10x Klenow Polymerase Buffer
- Exo(-) Klenow
- dATP
- SureSelect Methyl-Seq Methylated Adapter
- SureSelect Methyl-Seq Indexing Primer Common
- SureSelect Methyl-Seq PCR1 primer F
- SureSelect Methyl-Seq PCR Master Mix
- SureSelect XT 8 bp Indexes
- SureSelect Hyb 1
- SureSelect Hyb 2
- SureSelect Hyb 4
- SureSelect Binding Buffer
- SureSelect Wash Buffer 1
- SureSelect Wash Buffer 2
- SureSelect Elution Buffer
- SureSelect Block 2
- SureSelect Hyb 3
- SureSelect RNase Block
- SureSelect Indexing Block 1
- SureSelect Methyl-Seq Block 3

None known.

Specific hazards arising from the chemical:
- 10X End Repair Buffer
- 5X T4 DNA Ligase Buffer
- Klenow DNA Polymerase
- T4 DNA Ligase
- T4 DNA Polymerase
- T4 Polynucleotide Kinase
- dNTP Mix
- 10x Klenow Polymerase Buffer
- Exo(-) Klenow
- dATP
- SureSelect Methyl-Seq Methylated Adapter
- SureSelect Methyl-Seq Indexing Primer Common
- SureSelect Methyl-Seq PCR1 primer F
- SureSelect Methyl-Seq PCR Master Mix
- SureSelect XT 8 bp Indexes
- SureSelect Hyb 1
- SureSelect Hyb 2
- SureSelect Hyb 4
- SureSelect Binding Buffer
- SureSelect Wash Buffer 1
- SureSelect Wash Buffer 2
- SureSelect Elution Buffer
- SureSelect Block 2
- SureSelect Hyb 3
- SureSelect RNase Block
- SureSelect Indexing Block 1
- SureSelect Methyl-Seq Block 3

In a fire or if heated, a pressure increase will occur and the container may burst.
Section 5. Firefighting measures

Hazardous thermal decomposition products

- PCR1 primer R and the container may burst.
- SureSelect Methyl-Seq PCR Master Mix and the container may burst.
- SureSelect XT 8 bp Indexes and the container may burst.
- SureSelect Hyb 1 and the container may burst.
- SureSelect Hyb 2 and the container may burst.
- SureSelect Hyb 4 and the container may burst.
- SureSelect Binding Buffer and the container may burst.
- SureSelect Wash Buffer 1 and the container may burst.
- SureSelect Wash Buffer 2 and the container may burst.
- SureSelect Elution Buffer and the container may burst.
- SureSelect Block 2 and the container may burst.
- SureSelect Hyb 3 and the container may burst.
- SureSelect RNase Block and the container may burst.
- SureSelect Indexing Block 1 and the container may burst.
- SureSelect Methyl-Seq Block 3 and the container may burst.
- 5X T4 DNA Ligase Buffer Decomposition products may include the following materials:
  - carbon dioxide
  - carbon monoxide
  - nitrogen oxides
  - sulfur oxides
  - halogenated compounds
  - metal oxide/oxides

- 5X T4 DNA Ligase Buffer Decomposition products may include the following materials:
  - carbon dioxide
  - carbon monoxide
  - nitrogen oxides
  - halogenated compounds
  - metal oxide/oxides

- Klenow DNA Polymerase Decomposition products may include the following materials:
  - carbon dioxide
  - carbon monoxide

- T4 DNA Ligase Decomposition products may include the following materials:
  - carbon dioxide
  - carbon monoxide

- T4 DNA Polymerase Decomposition products may include the following materials:
  - carbon dioxide
  - carbon monoxide

- T4 Polynucleotide Kinase Decomposition products may include the following materials:
  - carbon dioxide
  - carbon monoxide

- dNTP Mix Decomposition products may include the following materials:
  - carbon dioxide
Section 5. Firefighting measures

10x Klenow Polymerase Buffer
Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
nitrogen oxides
phosphorus oxides

Exo(-) Klenow
Decomposition products may include the following materials:
carbon dioxide
carbon monoxide

10x Klenow Polymerase Buffer
Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
nitrogen oxides
halogenated compounds
metal oxide/oxides

Exo(-) Klenow
Decomposition products may include the following materials:
carbon dioxide
carbon monoxide

10x Klenow Polymerase Buffer
Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
nitrogen oxides
halogenated compounds
metal oxide/oxides

Exo(-) Klenow
Decomposition products may include the following materials:
carbon dioxide
carbon monoxide

dATP
No specific data.

SureSelect Methyl-Seq Methylated Adapter
No specific data.

SureSelect Methyl-Seq Indexing Primer Common
No specific data.

SureSelect Methyl-Seq PCR1 primer F
No specific data.

SureSelect Methyl-Seq PCR1 primer R
No specific data.

SureSelect Methyl-Seq PCR Master Mix
Decomposition products may include the following materials:
carbon dioxide
carbon monoxide

SureSelect XT 8 bp Indexes
No specific data.

SureSelect Hyb 1
Decomposition products may include the following materials:
phosphorus oxides
halogenated compounds
metal oxide/oxides

SureSelect Hyb 2
Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
nitrogen oxides
metal oxide/oxides

SureSelect Hyb 4
Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
sulfur oxides
metal oxide/oxides

SureSelect Binding Buffer
Decomposition products may include the following materials:
halogenated compounds
metal oxide/oxides

SureSelect Wash Buffer 1
No specific data.

SureSelect Wash Buffer 2
No specific data.

SureSelect Elution Buffer
No specific data.

SureSelect Block 2
Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
nitrogen oxides
phosphorus oxides

SureSelect Hyb 3
Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
nitrogen oxides
Section 5. Firefighting measures

- **SureSelect RNase Block**
  - Decomposition products may include the following materials:
    - carbon dioxide
    - carbon monoxide

- **SureSelect Indexing Block 1**
  - Decomposition products may include the following materials:
    - carbon dioxide
    - carbon monoxide

- **SureSelect Methyl-Seq Block 3**
  - No specific data.

**Special protective actions**

- **10X End Repair 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.

- **5X T4 DNA Ligase 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.

- **Klenow DNA Polymerase**
  - 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.

- **T4 DNA Ligase**
  - 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.

- **T4 DNA Polymerase**
  - 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.

- **T4 Polynucleotide Kinase**
  - 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.

- **dNTP Mix**
  - 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.

- **10x Klenow Polymerase 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.

- **Exo(-) Klenow**
  - 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.

- **dATP**
  - 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 Methyl-Seq Methylated Adapter**
  - 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 Methyl-Seq Indexing Primer Common**
  - 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 Methyl-Seq**
  - 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.
Section 5. Firefighting measures

<table>
<thead>
<tr>
<th>Product</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PCR1 primer F</td>
<td>from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq PCR</td>
<td>Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.</td>
</tr>
<tr>
<td>Master Mix</td>
<td>Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.</td>
</tr>
<tr>
<td>SureSelect XT 8 bp Indexes</td>
<td>Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.</td>
</tr>
<tr>
<td>SureSelect Hyb 1</td>
<td>Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.</td>
</tr>
<tr>
<td>SureSelect Hyb 2</td>
<td>Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.</td>
</tr>
<tr>
<td>SureSelect Hyb 4</td>
<td>Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.</td>
</tr>
<tr>
<td>SureSelect Binding Buffer</td>
<td>Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.</td>
</tr>
<tr>
<td>SureSelect Wash Buffer 1</td>
<td>Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.</td>
</tr>
<tr>
<td>SureSelect Wash Buffer 2</td>
<td>Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.</td>
</tr>
<tr>
<td>SureSelect Elution Buffer</td>
<td>Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.</td>
</tr>
<tr>
<td>SureSelect Block 2</td>
<td>Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.</td>
</tr>
<tr>
<td>SureSelect Hyb 3</td>
<td>Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.</td>
</tr>
<tr>
<td>SureSelect RNase Block</td>
<td>Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.</td>
</tr>
<tr>
<td>SureSelect Indexing Block 1</td>
<td>Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq Block 3</td>
<td>Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.</td>
</tr>
</tbody>
</table>
Section 5. Firefighting measures

<table>
<thead>
<tr>
<th>Special protective equipment for fire-fighters</th>
<th>Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.</th>
</tr>
</thead>
<tbody>
<tr>
<td>10X End Repair Buffer</td>
<td>Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.</td>
</tr>
<tr>
<td>5X T4 DNA Ligase Buffer</td>
<td>Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.</td>
</tr>
<tr>
<td>Klenow DNA Polymerase</td>
<td>Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.</td>
</tr>
<tr>
<td>T4 DNA Ligase</td>
<td>Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.</td>
</tr>
<tr>
<td>T4 DNA Polymerase</td>
<td>Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.</td>
</tr>
<tr>
<td>T4 Polynucleotide Kinase</td>
<td>Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.</td>
</tr>
<tr>
<td>dNTP Mix</td>
<td>Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.</td>
</tr>
<tr>
<td>10x Klenow Polymerase Buffer</td>
<td>Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.</td>
</tr>
<tr>
<td>Exo(-) Klenow</td>
<td>Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.</td>
</tr>
<tr>
<td>dATP</td>
<td>Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq Methylated Adapter</td>
<td>Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq Indexing Primer Common</td>
<td>Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq PCR1 primer F</td>
<td>Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq PCR1 primer R</td>
<td>Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq PCR Master Mix</td>
<td>Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.</td>
</tr>
<tr>
<td>SureSelect XT 8 bp Indexes</td>
<td>Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.</td>
</tr>
</tbody>
</table>
Section 5. Firefighting measures

<table>
<thead>
<tr>
<th>Product</th>
<th>Firefighting Instructions</th>
</tr>
</thead>
<tbody>
<tr>
<td>SureSelect Hyb 1</td>
<td>Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.</td>
</tr>
<tr>
<td>SureSelect Hyb 2</td>
<td>Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.</td>
</tr>
<tr>
<td>SureSelect Hyb 4</td>
<td>Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.</td>
</tr>
<tr>
<td>SureSelect Binding Buffer</td>
<td>Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.</td>
</tr>
<tr>
<td>SureSelect Wash Buffer 1</td>
<td>Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.</td>
</tr>
<tr>
<td>SureSelect Wash Buffer 2</td>
<td>Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.</td>
</tr>
<tr>
<td>SureSelect Elution Buffer</td>
<td>Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.</td>
</tr>
<tr>
<td>SureSelect Block 2</td>
<td>Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.</td>
</tr>
<tr>
<td>SureSelect Hyb 3</td>
<td>Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.</td>
</tr>
<tr>
<td>SureSelect RNase Block</td>
<td>Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.</td>
</tr>
<tr>
<td>SureSelect Indexing Block 1</td>
<td>Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq Block 3</td>
<td>Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.</td>
</tr>
</tbody>
</table>

Section 6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures**

**For non-emergency personnel**

<table>
<thead>
<tr>
<th>Product</th>
<th>Instructions</th>
</tr>
</thead>
<tbody>
<tr>
<td>10X End Repair Buffer</td>
<td>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.</td>
</tr>
<tr>
<td>5X T4 DNA Ligase Buffer</td>
<td>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. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate protective equipment.</td>
</tr>
</tbody>
</table>
### Section 6. Accidental release measures

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Advisory Measures</th>
</tr>
</thead>
<tbody>
<tr>
<td>Klenow DNA Polymerase</td>
<td>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.</td>
</tr>
<tr>
<td>T4 DNA Ligase</td>
<td>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.</td>
</tr>
<tr>
<td>T4 DNA Polymerase</td>
<td>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.</td>
</tr>
<tr>
<td>T4 Polynucleotide Kinase</td>
<td>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.</td>
</tr>
<tr>
<td>dNTP Mix</td>
<td>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.</td>
</tr>
<tr>
<td>10x Klenow Polymerase Buffer</td>
<td>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.</td>
</tr>
<tr>
<td>Exo(-) Klenow</td>
<td>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.</td>
</tr>
<tr>
<td>dATP</td>
<td>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.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq Methylated Adapter</td>
<td>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.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq Indexing Primer Common</td>
<td>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.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq PCR1 primer F</td>
<td>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.</td>
</tr>
</tbody>
</table>
### Section 6. Accidental release measures

<table>
<thead>
<tr>
<th>Product</th>
<th>Safety Measures</th>
</tr>
</thead>
<tbody>
<tr>
<td>SureSelect Methyl-Seq PCR1 primer R</td>
<td>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.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq PCR Master Mix</td>
<td>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.</td>
</tr>
<tr>
<td>SureSelect XT 8 bp Indexes</td>
<td>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.</td>
</tr>
<tr>
<td>SureSelect Hyb 1</td>
<td>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. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.</td>
</tr>
<tr>
<td>SureSelect Hyb 2</td>
<td>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. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.</td>
</tr>
<tr>
<td>SureSelect Hyb 4</td>
<td>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.</td>
</tr>
<tr>
<td>SureSelect Binding Buffer</td>
<td>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.</td>
</tr>
<tr>
<td>SureSelect Wash Buffer 1</td>
<td>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.</td>
</tr>
<tr>
<td>SureSelect Wash Buffer 2</td>
<td>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.</td>
</tr>
<tr>
<td>SureSelect Elution Buffer</td>
<td>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.</td>
</tr>
</tbody>
</table>
## Section 6. Accidental release measures

<table>
<thead>
<tr>
<th>Product</th>
<th>Instructions</th>
</tr>
</thead>
<tbody>
<tr>
<td>SureSelect Block 2</td>
<td>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.</td>
</tr>
<tr>
<td>SureSelect Hyb 3</td>
<td>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.</td>
</tr>
<tr>
<td>SureSelect RNase Block</td>
<td>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.</td>
</tr>
<tr>
<td>SureSelect Indexing Block 1</td>
<td>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.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq Block 3</td>
<td>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.</td>
</tr>
</tbody>
</table>

### For emergency responders:

- **10X End Repair 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".
- **5X T4 DNA Ligase 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".
- **Klenow DNA Polymerase**: 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".
- **T4 DNA Ligase**: 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".
- **T4 DNA Polymerase**: 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".
- **T4 Polynucleotide Kinase**: 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".
- **dNTP Mix**: 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".
- **10x Klenow Polymerase**: 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

Buffer
- spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Exo(-) Klenow
- 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".

dATP
- 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 Methyl-Seq Methylated Adapter
- 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 Methyl-Seq Indexing Primer Common
- 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 Methyl-Seq PCR1 primer F
- 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 Methyl-Seq PCR1 primer R
- 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 Methyl-Seq PCR Master Mix
- 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 XT 8 bp Indexes
- 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 Hyb 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 Hyb 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".

SureSelect Hyb 4
- 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 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 Wash Buffer 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 Wash Buffer 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".

SureSelect Elution 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".
## Section 6. Accidental release measures

<table>
<thead>
<tr>
<th>Reagent Kit</th>
<th>Environmental precautions</th>
</tr>
</thead>
<tbody>
<tr>
<td>SureSelect Block 2</td>
<td>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 &quot;For non-emergency personnel&quot;.</td>
</tr>
<tr>
<td>SureSelect Hyb 3</td>
<td>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 &quot;For non-emergency personnel&quot;.</td>
</tr>
<tr>
<td>SureSelect RNase Block</td>
<td>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 &quot;For non-emergency personnel&quot;.</td>
</tr>
<tr>
<td>SureSelect Indexing Block 1</td>
<td>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 &quot;For non-emergency personnel&quot;.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq Block 3</td>
<td>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 &quot;For non-emergency personnel&quot;.</td>
</tr>
<tr>
<td>10X End Repair Buffer</td>
<td>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).</td>
</tr>
<tr>
<td>5X T4 DNA Ligase Buffer</td>
<td>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).</td>
</tr>
<tr>
<td>Klenow DNA Polymerase</td>
<td>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).</td>
</tr>
<tr>
<td>T4 DNA Ligase</td>
<td>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).</td>
</tr>
<tr>
<td>T4 DNA Polymerase</td>
<td>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).</td>
</tr>
<tr>
<td>T4 Polynucleotide Kinase</td>
<td>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).</td>
</tr>
<tr>
<td>dNTP Mix</td>
<td>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).</td>
</tr>
<tr>
<td>10x Klenow Polymerase Buffer</td>
<td>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).</td>
</tr>
<tr>
<td>Exo(-) Klenow</td>
<td>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).</td>
</tr>
<tr>
<td>Product Description</td>
<td>Accidental release measures</td>
</tr>
<tr>
<td>-------------------------------------------------</td>
<td>-----------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>dATP</td>
<td>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).</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq Methylated Adapter</td>
<td>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).</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq Indexing Primer Common</td>
<td>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).</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq PCR1 primer F</td>
<td>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).</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq PCR1 primer R</td>
<td>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).</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq PCR Master Mix</td>
<td>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).</td>
</tr>
<tr>
<td>SureSelect XT 8 bp Indexes</td>
<td>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).</td>
</tr>
<tr>
<td>SureSelect Hyb 1</td>
<td>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).</td>
</tr>
<tr>
<td>SureSelect Hyb 2</td>
<td>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).</td>
</tr>
<tr>
<td>SureSelect Hyb 4</td>
<td>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).</td>
</tr>
<tr>
<td>SureSelect Binding Buffer</td>
<td>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).</td>
</tr>
<tr>
<td>SureSelect Wash Buffer 1</td>
<td>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).</td>
</tr>
</tbody>
</table>
### Section 6. Accidental release measures

<table>
<thead>
<tr>
<th>Product</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SureSelect Wash Buffer 2</td>
<td>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).</td>
</tr>
<tr>
<td>SureSelect Elution Buffer</td>
<td>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).</td>
</tr>
<tr>
<td>SureSelect Block 2</td>
<td>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).</td>
</tr>
<tr>
<td>SureSelect Hyb 3</td>
<td>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).</td>
</tr>
<tr>
<td>SureSelect RNase Block</td>
<td>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).</td>
</tr>
<tr>
<td>SureSelect Indexing Block 1</td>
<td>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).</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq Block 3</td>
<td>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).</td>
</tr>
</tbody>
</table>

**Methods and material for containment and cleaning up**

<table>
<thead>
<tr>
<th>Methods for cleaning up</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>10X End Repair Buffer</td>
<td>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.</td>
</tr>
<tr>
<td>5X T4 DNA Ligase Buffer</td>
<td>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.</td>
</tr>
<tr>
<td>Klenow DNA Polymerase</td>
<td>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.</td>
</tr>
<tr>
<td>T4 DNA Ligase</td>
<td>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.</td>
</tr>
<tr>
<td>T4 DNA Polymerase</td>
<td>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.</td>
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Section 6. Accidental release measures

Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

T4 Polynucleotide Kinase

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.

dNTP Mix

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.

10x Klenow Polymerase 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.

Exo(-) Klenow

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.

dATP

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 Methyl-Seq Methylated Adapter

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 Methyl-Seq Indexing Primer Common

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 Methyl-Seq PCR1 primer F

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 Methyl-Seq PCR1 primer R

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 Methyl-Seq PCR Master Mix

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

<table>
<thead>
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<th>Product</th>
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<tbody>
<tr>
<td>SureSelect XT 8 bp Indexes</td>
<td>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.</td>
</tr>
<tr>
<td>SureSelect Hyb 1</td>
<td>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.</td>
</tr>
<tr>
<td>SureSelect Hyb 2</td>
<td>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.</td>
</tr>
<tr>
<td>SureSelect Hyb 4</td>
<td>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.</td>
</tr>
<tr>
<td>SureSelect Binding Buffer</td>
<td>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.</td>
</tr>
<tr>
<td>SureSelect Wash Buffer 1</td>
<td>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.</td>
</tr>
<tr>
<td>SureSelect Wash Buffer 2</td>
<td>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.</td>
</tr>
<tr>
<td>SureSelect Elution Buffer</td>
<td>Stop leak if without risk. Move containers from spill area. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor.</td>
</tr>
<tr>
<td>SureSelect Block 2</td>
<td>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.</td>
</tr>
<tr>
<td>SureSelect Hyb 3</td>
<td>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.</td>
</tr>
<tr>
<td>SureSelect RNase Block</td>
<td>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.</td>
</tr>
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### Section 6. Accidental release measures

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<tr>
<th>Product</th>
<th>Disposal Instructions</th>
</tr>
</thead>
<tbody>
<tr>
<td>SureSelect Indexing Block 1</td>
<td>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.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq Block 3</td>
<td>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.</td>
</tr>
</tbody>
</table>

### Section 7. Handling and storage

#### Precautions for safe handling

<table>
<thead>
<tr>
<th>Product</th>
<th>Protective Measures</th>
</tr>
</thead>
<tbody>
<tr>
<td>10X End Repair Buffer</td>
<td>Put on appropriate personal protective equipment (see Section 8).</td>
</tr>
<tr>
<td>5X T4 DNA Ligase Buffer</td>
<td>Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapour or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.</td>
</tr>
<tr>
<td>Klenow DNA Polymerase</td>
<td>Put on appropriate personal protective equipment (see Section 8).</td>
</tr>
<tr>
<td>T4 DNA Ligase</td>
<td>Put on appropriate personal protective equipment (see Section 8).</td>
</tr>
<tr>
<td>T4 DNA Polymerase</td>
<td>Put on appropriate personal protective equipment (see Section 8).</td>
</tr>
<tr>
<td>T4 Polynucleotide Kinase</td>
<td>Put on appropriate personal protective equipment (see Section 8).</td>
</tr>
<tr>
<td>dNTP Mix</td>
<td>Put on appropriate personal protective equipment (see Section 8).</td>
</tr>
<tr>
<td>10x Klenow Polymerase Buffer</td>
<td>Put on appropriate personal protective equipment (see Section 8).</td>
</tr>
<tr>
<td>Exo(-) Klenow</td>
<td>Put on appropriate personal protective equipment (see Section 8).</td>
</tr>
<tr>
<td>dATP</td>
<td>Put on appropriate personal protective equipment (see Section 8).</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq Methylated Adapter</td>
<td>Put on appropriate personal protective equipment (see Section 8).</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq Indexing Primer Common</td>
<td>Put on appropriate personal protective equipment (see Section 8).</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq PCR1 primer F</td>
<td>Put on appropriate personal protective equipment (see Section 8).</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq PCR1 primer R</td>
<td>Put on appropriate personal protective equipment (see Section 8).</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq PCR Master Mix</td>
<td>Put on appropriate personal protective equipment (see Section 8).</td>
</tr>
<tr>
<td>SureSelect XT 8 bp Indexes</td>
<td>Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapour or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.</td>
</tr>
<tr>
<td>SureSelect Hyb 1</td>
<td>Put on appropriate personal protective equipment (see Section 8).</td>
</tr>
</tbody>
</table>
### Section 7. Handling and storage

<table>
<thead>
<tr>
<th>Product</th>
<th>Instruction</th>
</tr>
</thead>
<tbody>
<tr>
<td>SureSelect Hyb 2</td>
<td>Put on appropriate personal protective equipment (see Section 8). Do not breathe vapour or mist. Do not ingest. Avoid contact with eyes, skin and clothing. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.</td>
</tr>
<tr>
<td>SureSelect Hyb 4</td>
<td>Put on appropriate personal protective equipment (see Section 8).</td>
</tr>
<tr>
<td>SureSelect Binding Buffer</td>
<td>Put on appropriate personal protective equipment (see Section 8).</td>
</tr>
<tr>
<td>SureSelect Wash Buffer 1</td>
<td>Put on appropriate personal protective equipment (see Section 8).</td>
</tr>
<tr>
<td>SureSelect Wash Buffer 2</td>
<td>Put on appropriate personal protective equipment (see Section 8).</td>
</tr>
<tr>
<td>SureSelect Elution Buffer</td>
<td>Put on appropriate personal protective equipment (see Section 8). Keep away from acids.</td>
</tr>
<tr>
<td>SureSelect Block 2</td>
<td>Put on appropriate personal protective equipment (see Section 8).</td>
</tr>
<tr>
<td>SureSelect Hyb 3</td>
<td>Put on appropriate personal protective equipment (see Section 8).</td>
</tr>
<tr>
<td>SureSelect RNase Block</td>
<td>Put on appropriate personal protective equipment (see Section 8).</td>
</tr>
<tr>
<td>SureSelect Indexing Block 1</td>
<td>Put on appropriate personal protective equipment (see Section 8).</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq Block 3</td>
<td>Put on appropriate personal protective equipment (see Section 8).</td>
</tr>
</tbody>
</table>

**Advice on general occupational hygiene**

**10X End Repair 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.

**5X T4 DNA Ligase 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.

**Klenow DNA Polymerase**: 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.

**T4 DNA Ligase**: 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.

**T4 DNA Polymerase**: 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

<table>
<thead>
<tr>
<th>Reagent</th>
<th>Precautions</th>
</tr>
</thead>
<tbody>
<tr>
<td>T4 Polynucleotide Kinase</td>
<td>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.</td>
</tr>
<tr>
<td>dNTP Mix</td>
<td>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.</td>
</tr>
<tr>
<td>10x Klenow Polymerase Buffer</td>
<td>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.</td>
</tr>
<tr>
<td>Exo(-) Klenow</td>
<td>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.</td>
</tr>
<tr>
<td>dATP</td>
<td>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.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq Methylated Adapter</td>
<td>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.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq Indexing Primer Common</td>
<td>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.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq PCR1 primer F</td>
<td>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.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq PCR1 primer R</td>
<td>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.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq PCR</td>
<td>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.</td>
</tr>
</tbody>
</table>
## Section 7. Handling and storage

<table>
<thead>
<tr>
<th>Product</th>
<th>Instructions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Master Mix</td>
<td>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.</td>
</tr>
<tr>
<td>SureSelect XT 8 bp Indexes</td>
<td>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.</td>
</tr>
<tr>
<td>SureSelect Hyb 1</td>
<td>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.</td>
</tr>
<tr>
<td>SureSelect Hyb 2</td>
<td>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.</td>
</tr>
<tr>
<td>SureSelect Hyb 4</td>
<td>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.</td>
</tr>
<tr>
<td>SureSelect Binding Buffer</td>
<td>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.</td>
</tr>
<tr>
<td>SureSelect Wash Buffer 1</td>
<td>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.</td>
</tr>
<tr>
<td>SureSelect Wash Buffer 2</td>
<td>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.</td>
</tr>
<tr>
<td>SureSelect Elution Buffer</td>
<td>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.</td>
</tr>
<tr>
<td>SureSelect Block 2</td>
<td>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.</td>
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</table>
Section 7. Handling and storage

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 Hyb 3 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 RNase Block 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 Indexing Block 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 Methyl-Seq Block 3 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

10X End Repair 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 containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

5X T4 DNA Ligase 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 containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Klenow DNA Polymerase 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
## Section 7. Handling and storage

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<thead>
<tr>
<th>Product</th>
<th>Storage Instructions</th>
</tr>
</thead>
<tbody>
<tr>
<td>T4 DNA Ligase</td>
<td>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.</td>
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<tr>
<td>T4 DNA Polymerase</td>
<td>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.</td>
</tr>
<tr>
<td>T4 Polynucleotide Kinase</td>
<td>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.</td>
</tr>
<tr>
<td>dNTP Mix</td>
<td>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.</td>
</tr>
<tr>
<td>10x Klenow Polymerase Buffer</td>
<td>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.</td>
</tr>
<tr>
<td>Exo(-) Klenow</td>
<td>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.</td>
</tr>
</tbody>
</table>
Section 7. Handling and storage

SureSelect XT Methyl-Seq Reagent Kits - 96 Reactions - Revised Configuration, Part Number G9651B

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.

dATP

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 Methyl-Seq Methylated Adapter

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 Methyl-Seq Indexing Primer Common

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 Methyl-Seq PCR1 primer F

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 Methyl-Seq PCR1 primer R

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 Methyl-Seq PCR Master Mix

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.
Section 7. Handling and storage

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 XT 8 bp Indexes
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 Hyb 1
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 Hyb 2
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 Hyb 4
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 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 containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

SureSelect Wash Buffer 1
Storage temperature: -80°C (-112°F). Store in...
Section 7. Handling and storage

SureSelect Wash Buffer 2
- Storage temperature: -80°C (-112°F).
- Store in accordance with local regulations. Shelf life: 1 Year.
- 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 Elution 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 containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

SureSelect Block 2
- 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 Hyb 3
- 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 RNase Block
- 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.
Section 7. Handling and storage

SureSelect Indexing Block 1
- 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 Methyl-Seq Block 3
- 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.

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Section 8. Exposure controls and personal protection

Control parameters

Occupational exposure limits

<table>
<thead>
<tr>
<th>Ingredient name</th>
<th>Exposure limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>5X T4 DNA Ligase Buffer Polyehtylene glycol</td>
<td>DFG MAC-values list (Germany, 7/2017). PEAK: 8000 mg/m³, 4 times per shift, 15 minutes. Form: Inhalable fraction</td>
</tr>
<tr>
<td></td>
<td>TW A: 1000 mg/m³ 8 hours. Form: Inhalable fraction</td>
</tr>
<tr>
<td>Klenow DNA Polymerase Glycerol</td>
<td>Safe Work Australia (Australia, 1/2014). TWA: 10 mg/m³ 8 hours.</td>
</tr>
<tr>
<td>T4 DNA Ligase Glycerol</td>
<td>Safe Work Australia (Australia, 1/2014). TWA: 10 mg/m³ 8 hours.</td>
</tr>
<tr>
<td>T4 DNA Polymerase Glycerol</td>
<td>Safe Work Australia (Australia, 1/2014). TWA: 10 mg/m³ 8 hours.</td>
</tr>
<tr>
<td>T4 Polynucleotide Kinase Glycerol</td>
<td>Safe Work Australia (Australia, 1/2014). TWA: 10 mg/m³ 8 hours.</td>
</tr>
<tr>
<td>Exo(-) Klenow Glycerol</td>
<td>Safe Work Australia (Australia, 1/2014). TWA: 10 mg/m³ 8 hours.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq PCR Master Mix Glycerol</td>
<td>Safe Work Australia (Australia, 1/2014). TWA: 10 mg/m³ 8 hours.</td>
</tr>
</tbody>
</table>

Date of issue/Date of revision  : 18/10/2018    Date of previous issue : 31/01/2017    Version : 3
Section 8. Exposure controls and personal protection

**SureSelect RNase Block**
Glycerol

**SureSelect Indexing Block 1**
Glycerol

---

**Safe Work Australia (Australia, 1/2014).**
TWA: 10 mg/m³ 8 hours.

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**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**
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. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

**Hand 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.

**Body protection**

**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.

---

Section 9. Physical and chemical properties

**Appearance**

**Physical state**

<table>
<thead>
<tr>
<th>Product</th>
<th>State</th>
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<tbody>
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<td>Liquid</td>
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<tr>
<td>5X T4 DNA Ligase Buffer</td>
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Date of issue/Date of revision: 18/10/2018  
Date of previous issue: 31/01/2017  
Version: 3
Section 9. Physical and chemical properties

Exo(-) Klenow Liquid.
dATP Liquid.
SureSelect Methyl-Seq Methylated Adapter Liquid.
SureSelect Methyl-Seq Indexing Primer Common Liquid.
SureSelect Methyl-Seq PCR1 primer F Liquid.
SureSelect Methyl-Seq PCR1 primer R Liquid.
SureSelect Methyl-Seq PCR Master Mix Liquid.
SureSelect XT 8 bp Indexes Liquid.
SureSelect Hyb 1 Liquid.
SureSelect Hyb 2 Liquid.
SureSelect Hyb 4 Liquid.
SureSelect Binding Buffer Liquid.
SureSelect Wash Buffer 1 Liquid.
SureSelect Wash Buffer 2 Liquid.
SureSelect Elution Buffer Liquid.
SureSelect Block 2 Liquid.
SureSelect Hyb 3 Liquid.
SureSelect RNase Block Liquid.
SureSelect Indexing Block 1 Liquid.
SureSelect Methyl-Seq Block 3 Liquid.
SureSelect XT 8 bp Indexes Liquid.
SureSelect Hyb 1 Liquid.
SureSelect Hyb 2 Liquid.
SureSelect Hyb 4 Liquid.
SureSelect Binding Buffer Liquid.
SureSelect Wash Buffer 1 Liquid.
SureSelect Wash Buffer 2 Liquid.
SureSelect Elution Buffer Liquid.
SureSelect Block 2 Liquid.
SureSelect Hyb 3 Colourless.
SureSelect RNase Block Liquid.
SureSelect Indexing Block 1 Liquid.
SureSelect Methyl-Seq Block 3 Liquid.

**Colour**

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Klenow DNA Polymerase Not available.
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SureSelect XT 8 bp Indexes Not available.
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SureSelect Hyb 2 Not available.
SureSelect Hyb 4 Not available.
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SureSelect Wash Buffer 1 Not available.
SureSelect Wash Buffer 2 Not available.
SureSelect Elution Buffer Not available.
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SureSelect RNase Block Not available.
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## Section 9. Physical and chemical properties

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Section 9. Physical and chemical properties

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Section 9. Physical and chemical properties

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Section 9. Physical and chemical properties

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**Evaporation rate**

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- 5X T4 DNA Ligase Buffer: Not available.
- Klenow DNA Polymerase: Not available.
- T4 DNA Ligase: Not available.
- T4 DNA Polymerase: Not available.
- T4 Polynucleotide Kinase: Not available.
- dNTP Mix: Not available.
- 10x Klenow Polymerase Buffer: Not available.
- Exo(-) Klenow: Not available.
- dATP: Not available.
- SureSelect Methyl-Seq Methylated Adapter: Not available.
- SureSelect Methyl-Seq Indexing Primer Common: Not available.
- SureSelect Methyl-Seq PCR Master Mix: Not available.
- PCR1 primer F: Not available.
- PCR1 primer R: Not available.
- SureSelect Methyl-Seq PCR Master Mix: Not available.

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Section 9. Physical and chemical properties

Flammability (solid, gas):
- 10X End Repair Buffer: Not applicable.
- 5X T4 DNA Ligase Buffer: Not applicable.
- Klenow DNA Polymerase: Not applicable.
- T4 DNA Ligase: Not applicable.
- T4 DNA Polymerase: Not applicable.
- T4 Polynucleotide Kinase: Not applicable.
- dNTP Mix: Not applicable.
- 10x Klenow Polymerase Buffer: Not applicable.
- Exo(-) Klenow: Not applicable.
- dATP: Not applicable.
- SureSelect Methyl-Seq Methylated Adapter: Not applicable.
- SureSelect Methyl-Seq Indexing Primer Common: Not applicable.
- SureSelect Methyl-Seq PCR1 primer F: Not applicable.
- SureSelect Methyl-Seq PCR1 primer R: Not applicable.
- SureSelect Methyl-Seq PCR Master Mix: Not applicable.
- SureSelect XT 8 bp Indexes: Not applicable.
- SureSelect Hyb 1: Not applicable.
- SureSelect Hyb 2: Not applicable.
- SureSelect Hyb 4: Not applicable.
- SureSelect Binding Buffer: Not applicable.
- SureSelect Wash Buffer 1: Not applicable.
- SureSelect Wash Buffer 2: Not applicable.
- SureSelect Elution Buffer: Not applicable.
- SureSelect Block 2: Not applicable.
- SureSelect Hyb 3: Not applicable.
- SureSelect RNase Block: Not applicable.
- SureSelect Indexing Block 1: Not applicable.
- SureSelect Methyl-Seq Block 3: Not applicable.

Lower and upper explosive (flammable) limits:
- 10X End Repair Buffer: Not available.
- 5X T4 DNA Ligase Buffer: Not available.
- Klenow DNA Polymerase: Not available.
- T4 DNA Ligase: Not available.
- T4 DNA Polymerase: Not available.
- T4 Polynucleotide Kinase: Not available.
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- SureSelect Hyb 1: Not available.
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- SureSelect Wash Buffer 2: Not available.
## Section 9. Physical and chemical properties

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Section 9. Physical and chemical properties

Relative density

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<th>Item</th>
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<td>5X T4 DNA Ligase Buffer</td>
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<tr>
<td>Exo(-) Klenow</td>
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</tr>
<tr>
<td>dATP</td>
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<tr>
<td>PCR1 primer R</td>
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</tr>
<tr>
<td>SureSelect Hyb 1</td>
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</tr>
<tr>
<td>SureSelect Hyb 2</td>
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</tr>
<tr>
<td>SureSelect Hyb 4</td>
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</tr>
<tr>
<td>SureSelect Binding Buffer</td>
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<tr>
<td>SureSelect Wash Buffer 1</td>
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<td>SureSelect Wash Buffer 2</td>
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<td>SureSelect Hyb 3</td>
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<td>SureSelect Indexing Block 1</td>
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Solubility

<table>
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<th>Item</th>
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<tbody>
<tr>
<td>10X End Repair Buffer</td>
<td>Easily soluble in the following materials: cold water and hot water.</td>
</tr>
<tr>
<td>5X T4 DNA Ligase Buffer</td>
<td>Easily soluble in the following materials: cold water and hot water.</td>
</tr>
<tr>
<td>Klenow DNA Polymerase</td>
<td>Soluble in the following materials: cold water and hot water.</td>
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<tr>
<td>T4 DNA Ligase</td>
<td>Soluble in the following materials: cold water and hot water.</td>
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<td>T4 DNA Polymerase</td>
<td>Soluble in the following materials: cold water and hot water.</td>
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<td>T4 Polynucleotide Kinase</td>
<td>Soluble in the following materials: cold water and hot water.</td>
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<tr>
<td>dNTP Mix</td>
<td>Easily soluble in the following materials: cold water and hot water.</td>
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Section 9. Physical and chemical properties

<table>
<thead>
<tr>
<th>Component</th>
<th>Solubility</th>
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<tr>
<td>10x Klenow Polymerase Buffer</td>
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<td>Exo(-) Klenow</td>
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<td>dATP</td>
<td>Easily soluble in cold water and hot water.</td>
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<tr>
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<td>SureSelect Methyl-Seq Indexing Primer Common</td>
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<tr>
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<tr>
<td>SureSelect Methyl-Seq Block 3</td>
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**Partition coefficient: n-octanol/water**

- 10X End Repair Buffer - Not available.
- 5X T4 DNA Ligase Buffer - Not available.
- Klenow DNA Polymerase - Not available.
- T4 DNA Ligase - Not available.
- T4 DNA Polymerase - Not available.
- T4 Polynucleotide Kinase - Not available.
- dNTP Mix - Not available.
- 10x Klenow Polymerase Buffer - Not available.
- Exo(-) Klenow - Not available.
- dATP - Not available.
- SureSelect Methyl-Seq Methylated Adapter - Not available.
- SureSelect Methyl-Seq Indexing Primer Common - Not available.
- SureSelect Methyl-Seq PCR1 primer F - Not available.
- SureSelect Methyl-Seq PCR1 primer R - Not available.
- SureSelect Methyl-Seq PCR Master Mix - Not available.
- SureSelect XT 8 bp Indexes - Not available.
### Section 9. Physical and chemical properties

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**Auto-ignition temperature**

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- 5X T4 DNA Ligase Buffer: Not available.
- Klenow DNA Polymerase: Not available.
- T4 DNA Ligase: Not available.
- T4 DNA Polymerase: Not available.
- T4 Polynucleotide Kinase: Not available.
- dNTP Mix: Not available.
- 10x Klenow Polymerase Buffer: Not available.
- Exo(-) Klenow: Not available.
- dATP: Not available.
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- Methylated Adapter: Not available.
- SureSelect Methyl-Seq Indexing Primer Common: Not available.
- SureSelect Methyl-Seq PCR1 primer F: Not available.
- SureSelect Methyl-Seq PCR1 primer R: Not available.
- SureSelect Methyl-Seq PCR Master Mix: Not available.
- SureSelect XT 8 bp Indexes: Not available.
- SureSelect Hyb 1: Not available.
- SureSelect Hyb 2: Not available.
- SureSelect Hyb 4: Not available.
- SureSelect Binding Buffer: Not available.
- SureSelect Wash Buffer 1: Not available.
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- SureSelect Elution Buffer: Not available.
- SureSelect Block 2: Not available.
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- SureSelect RNase Block: Not available.
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- SureSelect Methyl-Seq Block 3: Not available.

**Decomposition temperature**

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- 5X T4 DNA Ligase Buffer: Not available.
- Klenow DNA Polymerase: Not available.
- T4 DNA Ligase: Not available.
- T4 DNA Polymerase: Not available.
- T4 Polynucleotide Kinase: Not available.
- dNTP Mix: Not available.
- 10x Klenow Polymerase Buffer: Not available.
- Exo(-) Klenow: Not available.
- dATP: Not available.
- SureSelect Methyl-Seq: Not available.
- Methylated Adapter: Not available.
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Section 9. Physical and chemical properties

Viscosity

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Date of issue/Date of revision: 18/10/2018
Date of previous issue: 31/01/2017
Version: 3
## Section 10. Stability and reactivity

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<td>5X T4 DNA Ligase Buffer</td>
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<tr>
<td>Klenow DNA Polymerase</td>
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<tr>
<td>T4 DNA Ligase</td>
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<tr>
<td>T4 DNA Polymerase</td>
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<tr>
<td>T4 Polynucleotide Kinase</td>
<td>No specific test data related to reactivity available for this product or its ingredients.</td>
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<tr>
<td>dNTP Mix</td>
<td>No specific test data related to reactivity available for this product or its ingredients.</td>
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<tr>
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</tr>
<tr>
<td>dATP</td>
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</tr>
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</tr>
<tr>
<td>SureSelect Hyb 4</td>
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</tr>
<tr>
<td>SureSelect Binding Buffer</td>
<td>No specific test data related to reactivity available for this product or its ingredients.</td>
</tr>
<tr>
<td>SureSelect Wash Buffer 1</td>
<td>No specific test data related to reactivity available for this product or its ingredients.</td>
</tr>
<tr>
<td>SureSelect Wash Buffer 2</td>
<td>No specific test data related to reactivity available for this product or its ingredients.</td>
</tr>
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<td>SureSelect Elution Buffer</td>
<td>No specific test data related to reactivity available for this product or its ingredients.</td>
</tr>
<tr>
<td>SureSelect Block 2</td>
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</tr>
<tr>
<td>SureSelect Hyb 3</td>
<td>No specific test data related to reactivity available for this product or its ingredients.</td>
</tr>
<tr>
<td>SureSelect RNase Block</td>
<td>No specific test data related to reactivity available for this product or its ingredients.</td>
</tr>
<tr>
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<td>No specific test data related to reactivity available for this product or its ingredients.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq Block 3</td>
<td>No specific test data related to reactivity available for this product or its ingredients.</td>
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### Chemical stability

<table>
<thead>
<tr>
<th>Product</th>
<th>Stability</th>
</tr>
</thead>
<tbody>
<tr>
<td>10X End Repair Buffer</td>
<td>The product is stable.</td>
</tr>
<tr>
<td>5X T4 DNA Ligase Buffer</td>
<td>The product is stable.</td>
</tr>
<tr>
<td>Klenow DNA Polymerase</td>
<td>The product is stable.</td>
</tr>
<tr>
<td>T4 DNA Ligase</td>
<td>The product is stable.</td>
</tr>
<tr>
<td>T4 DNA Polymerase</td>
<td>The product is stable.</td>
</tr>
<tr>
<td>T4 Polynucleotide Kinase</td>
<td>The product is stable.</td>
</tr>
<tr>
<td>dNTP Mix</td>
<td>The product is stable.</td>
</tr>
<tr>
<td>10x Klenow Polymerase Buffer</td>
<td>The product is stable.</td>
</tr>
<tr>
<td>Exo(-) Klenow</td>
<td>The product is stable.</td>
</tr>
<tr>
<td>dATP</td>
<td>The product is stable.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq Methylated Adapter</td>
<td>The product is stable.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq Indexing Primer Common</td>
<td>The product is stable.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq PCR Master Mix</td>
<td>The product is stable.</td>
</tr>
<tr>
<td>SureSelect XT 8 bp Indexes</td>
<td>The product is stable.</td>
</tr>
<tr>
<td>SureSelect Hyb 1</td>
<td>The product is stable.</td>
</tr>
<tr>
<td>SureSelect Hyb 2</td>
<td>The product is stable.</td>
</tr>
<tr>
<td>SureSelect Hyb 4</td>
<td>The product is stable.</td>
</tr>
<tr>
<td>SureSelect Binding Buffer</td>
<td>The product is stable.</td>
</tr>
<tr>
<td>SureSelect Wash Buffer 1</td>
<td>The product is stable.</td>
</tr>
<tr>
<td>SureSelect Wash Buffer 2</td>
<td>The product is stable.</td>
</tr>
<tr>
<td>SureSelect Elution Buffer</td>
<td>The product is stable.</td>
</tr>
<tr>
<td>SureSelect Block 2</td>
<td>The product is stable.</td>
</tr>
<tr>
<td>SureSelect Hyb 3</td>
<td>The product is stable.</td>
</tr>
<tr>
<td>SureSelect RNase Block</td>
<td>The product is stable.</td>
</tr>
<tr>
<td>SureSelect Indexing Block 1</td>
<td>The product is stable.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq Block 3</td>
<td>The product is stable.</td>
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</table>

### Possibility of hazardous reactions

<table>
<thead>
<tr>
<th>Product</th>
<th>Possibility of hazardous reactions</th>
</tr>
</thead>
<tbody>
<tr>
<td>10X End Repair Buffer</td>
<td>Under normal conditions of storage and use, hazardous reactions will not occur.</td>
</tr>
<tr>
<td>5X T4 DNA Ligase Buffer</td>
<td>Under normal conditions of storage and use, hazardous reactions will not occur.</td>
</tr>
<tr>
<td>Klenow DNA Polymerase</td>
<td>Under normal conditions of storage and use, hazardous reactions will not occur.</td>
</tr>
<tr>
<td>T4 DNA Ligase</td>
<td>Under normal conditions of storage and use, hazardous reactions will not occur.</td>
</tr>
<tr>
<td>T4 DNA Polymerase</td>
<td>Under normal conditions of storage and use, hazardous reactions will not occur.</td>
</tr>
<tr>
<td>T4 Polynucleotide Kinase</td>
<td>Under normal conditions of storage and use, hazardous reactions will not occur.</td>
</tr>
<tr>
<td>dNTP Mix</td>
<td>Under normal conditions of storage and use, hazardous reactions will not occur.</td>
</tr>
<tr>
<td>10x Klenow Polymerase Buffer</td>
<td>Under normal conditions of storage and use, hazardous reactions will not occur.</td>
</tr>
<tr>
<td>Exo(-) Klenow</td>
<td>Under normal conditions of storage and use, hazardous reactions will not occur.</td>
</tr>
<tr>
<td>dATP</td>
<td>Under normal conditions of storage and use, hazardous reactions will not occur.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq Methylized Adapter</td>
<td>Under normal conditions of storage and use, hazardous reactions will not occur.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq Indexing Primer Common</td>
<td>Under normal conditions of storage and use, hazardous reactions will not occur.</td>
</tr>
<tr>
<td>PCR1 primer F</td>
<td>Under normal conditions of storage and use, hazardous reactions will not occur.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq</td>
<td>Under normal conditions of storage and use, hazardous reactions will not occur.</td>
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</table>
Section 10. Stability and reactivity

<table>
<thead>
<tr>
<th>Conditions to avoid</th>
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<tbody>
<tr>
<td>PCR1 primer R</td>
<td>hazardous reactions will not occur.</td>
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<tr>
<td>SureSelect Methyl-Seq PCR Master Mix</td>
<td>Under normal conditions of storage and use, hazardous reactions will not occur.</td>
</tr>
<tr>
<td>SureSelect XT 8 bp Indexes</td>
<td>Under normal conditions of storage and use, hazardous reactions will not occur.</td>
</tr>
<tr>
<td>SureSelect Hyb 1</td>
<td>Under normal conditions of storage and use, hazardous reactions will not occur.</td>
</tr>
<tr>
<td>SureSelect Hyb 2</td>
<td>Under normal conditions of storage and use, hazardous reactions will not occur.</td>
</tr>
<tr>
<td>SureSelect Hyb 4</td>
<td>Under normal conditions of storage and use, hazardous reactions will not occur.</td>
</tr>
<tr>
<td>SureSelect Binding Buffer</td>
<td>Under normal conditions of storage and use, hazardous reactions will not occur.</td>
</tr>
<tr>
<td>SureSelect Wash Buffer 1</td>
<td>Under normal conditions of storage and use, hazardous reactions will not occur.</td>
</tr>
<tr>
<td>SureSelect Wash Buffer 2</td>
<td>Under normal conditions of storage and use, hazardous reactions will not occur.</td>
</tr>
<tr>
<td>SureSelect Elution Buffer</td>
<td>Under normal conditions of storage and use, hazardous reactions will not occur.</td>
</tr>
<tr>
<td>SureSelect Block 2</td>
<td>Under normal conditions of storage and use, hazardous reactions will not occur.</td>
</tr>
<tr>
<td>SureSelect Hyb 3</td>
<td>Under normal conditions of storage and use, hazardous reactions will not occur.</td>
</tr>
<tr>
<td>SureSelect RNase Block</td>
<td>Under normal conditions of storage and use, hazardous reactions will not occur.</td>
</tr>
<tr>
<td>SureSelect Indexing Block 1</td>
<td>Under normal conditions of storage and use, hazardous reactions will not occur.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq Block 3</td>
<td>Under normal conditions of storage and use, hazardous reactions will not occur.</td>
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</tbody>
</table>
Section 10. Stability and reactivity

**Incompatible materials**

<table>
<thead>
<tr>
<th>Item</th>
<th>Compatibility Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>SureSelect Methyl-Seq Block 3</td>
<td>No specific data.</td>
</tr>
<tr>
<td>10X End Repair Buffer</td>
<td>May react or be incompatible with oxidising materials.</td>
</tr>
<tr>
<td>5X T4 DNA Ligase Buffer</td>
<td>May react or be incompatible with oxidising materials.</td>
</tr>
<tr>
<td>Klenow DNA Polymerase</td>
<td>May react or be incompatible with oxidising materials.</td>
</tr>
<tr>
<td>T4 DNA Ligase</td>
<td>May react or be incompatible with oxidising materials.</td>
</tr>
<tr>
<td>T4 DNA Polymerase</td>
<td>May react or be incompatible with oxidising materials.</td>
</tr>
<tr>
<td>T4 Polynucleotide Kinase</td>
<td>May react or be incompatible with oxidising materials.</td>
</tr>
<tr>
<td>dNTP Mix</td>
<td>May react or be incompatible with oxidising materials.</td>
</tr>
<tr>
<td>10x Klenow Polymerase Buffer</td>
<td>May react or be incompatible with oxidising materials.</td>
</tr>
<tr>
<td>Exo(−) Klenow</td>
<td>May react or be incompatible with oxidising materials.</td>
</tr>
<tr>
<td>dATP</td>
<td>May react or be incompatible with oxidising materials.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq Methylated Adapter</td>
<td>May react or be incompatible with oxidising materials.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq Indexing Primer Common</td>
<td>May react or be incompatible with oxidising materials.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq PCR1 primer F</td>
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</tr>
<tr>
<td>SureSelect Methyl-Seq PCR1 primer R</td>
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</tr>
<tr>
<td>SureSelect Methyl-Seq PCR Master Mix</td>
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</tr>
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<td>SureSelect XT 8 bp Indexes</td>
<td>May react or be incompatible with oxidising materials.</td>
</tr>
<tr>
<td>SureSelect Hyb 1</td>
<td>May react or be incompatible with oxidising materials.</td>
</tr>
<tr>
<td>SureSelect Hyb 2</td>
<td>May react or be incompatible with oxidising materials.</td>
</tr>
<tr>
<td>SureSelect Hyb 4</td>
<td>May react or be incompatible with oxidising materials.</td>
</tr>
<tr>
<td>SureSelect Binding Buffer</td>
<td>May react or be incompatible with oxidising materials.</td>
</tr>
<tr>
<td>SureSelect Wash Buffer 1</td>
<td>May react or be incompatible with oxidising materials.</td>
</tr>
<tr>
<td>SureSelect Wash Buffer 2</td>
<td>May react or be incompatible with oxidising materials.</td>
</tr>
<tr>
<td>SureSelect Elution Buffer</td>
<td>Reactive or incompatible with the following materials: acids</td>
</tr>
<tr>
<td>SureSelect Block 2</td>
<td>May react or be incompatible with oxidising materials.</td>
</tr>
<tr>
<td>SureSelect Hyb 3</td>
<td>May react or be incompatible with oxidising materials.</td>
</tr>
<tr>
<td>SureSelect RNase Block</td>
<td>May react or be incompatible with oxidising materials.</td>
</tr>
<tr>
<td>SureSelect Indexing Block 1</td>
<td>May react or be incompatible with oxidising materials.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq Block 3</td>
<td>May react or be incompatible with oxidising materials.</td>
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</tbody>
</table>

**Hazardous decomposition products**

<table>
<thead>
<tr>
<th>Item</th>
<th>Compatibility Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>10X End Repair Buffer</td>
<td>Under normal conditions of storage and use, hazardous decomposition products should not be produced.</td>
</tr>
<tr>
<td>5X T4 DNA Ligase Buffer</td>
<td>Under normal conditions of storage and use, hazardous decomposition products should not be produced.</td>
</tr>
<tr>
<td>Klenow DNA Polymerase</td>
<td>Under normal conditions of storage and use, hazardous decomposition products should not be produced.</td>
</tr>
<tr>
<td>T4 DNA Ligase</td>
<td>Under normal conditions of storage and use, hazardous decomposition products should not be produced.</td>
</tr>
<tr>
<td>T4 DNA Polymerase</td>
<td>Under normal conditions of storage and use, hazardous decomposition products should not be produced.</td>
</tr>
<tr>
<td>T4 Polynucleotide Kinase</td>
<td>Under normal conditions of storage and use, hazardous decomposition products should not be produced.</td>
</tr>
<tr>
<td>dNTP Mix</td>
<td>Under normal conditions of storage and use, hazardous decomposition products should not be produced.</td>
</tr>
<tr>
<td>10x Klenow Polymerase Buffer</td>
<td>Under normal conditions of storage and use, hazardous decomposition products should not be produced.</td>
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</tbody>
</table>
Under normal conditions of storage and use, hazardous decomposition products should not be produced.

<table>
<thead>
<tr>
<th>Product</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exo(-) Klenow</td>
<td>Under normal conditions of storage and use, hazardous decomposition products should not be produced.</td>
</tr>
<tr>
<td>dATP</td>
<td>Under normal conditions of storage and use, hazardous decomposition products should not be produced.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq Methylated Adapter</td>
<td>Under normal conditions of storage and use, hazardous decomposition products should not be produced.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq Indexing Primer Common</td>
<td>Under normal conditions of storage and use, hazardous decomposition products should not be produced.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq PCR1 primer F</td>
<td>Under normal conditions of storage and use, hazardous decomposition products should not be produced.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq PCR1 primer R</td>
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</tr>
<tr>
<td>SureSelect Methyl-Seq PCR Master Mix</td>
<td>Under normal conditions of storage and use, hazardous decomposition products should not be produced.</td>
</tr>
<tr>
<td>SureSelect XT 8 bp Indexes</td>
<td>Under normal conditions of storage and use, hazardous decomposition products should not be produced.</td>
</tr>
<tr>
<td>SureSelect Hyb 1</td>
<td>Under normal conditions of storage and use, hazardous decomposition products should not be produced.</td>
</tr>
<tr>
<td>SureSelect Hyb 2</td>
<td>Under normal conditions of storage and use, hazardous decomposition products should not be produced.</td>
</tr>
<tr>
<td>SureSelect Hyb 4</td>
<td>Under normal conditions of storage and use, hazardous decomposition products should not be produced.</td>
</tr>
<tr>
<td>SureSelect Binding Buffer</td>
<td>Under normal conditions of storage and use, hazardous decomposition products should not be produced.</td>
</tr>
<tr>
<td>SureSelect Wash Buffer 1</td>
<td>Under normal conditions of storage and use, hazardous decomposition products should not be produced.</td>
</tr>
<tr>
<td>SureSelect Wash Buffer 2</td>
<td>Under normal conditions of storage and use, hazardous decomposition products should not be produced.</td>
</tr>
<tr>
<td>SureSelect Elution Buffer</td>
<td>Under normal conditions of storage and use, hazardous decomposition products should not be produced.</td>
</tr>
<tr>
<td>SureSelect Block 2</td>
<td>Under normal conditions of storage and use, hazardous decomposition products should not be produced.</td>
</tr>
<tr>
<td>SureSelect Hyb 3</td>
<td>Under normal conditions of storage and use, hazardous decomposition products should not be produced.</td>
</tr>
<tr>
<td>SureSelect RNase Block</td>
<td>Under normal conditions of storage and use, hazardous decomposition products should not be produced.</td>
</tr>
<tr>
<td>SureSelect Indexing Block 1</td>
<td>Under normal conditions of storage and use, hazardous decomposition products should not be produced.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq Block 3</td>
<td>Under normal conditions of storage and use, hazardous decomposition products should not be produced.</td>
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</table>
Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Result</th>
<th>Species</th>
<th>Dose</th>
<th>Exposure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Klenow DNA Polymerase</td>
<td>LD50 Oral</td>
<td>Rat</td>
<td>12600 mg/kg</td>
<td>-</td>
</tr>
<tr>
<td>Glycerol</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>T4 DNA Ligase</td>
<td>LD50 Oral</td>
<td>Rat</td>
<td>12600 mg/kg</td>
<td>-</td>
</tr>
<tr>
<td>Glycerol</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>T4 DNA Polymerase</td>
<td>LD50 Oral</td>
<td>Rat</td>
<td>12600 mg/kg</td>
<td>-</td>
</tr>
<tr>
<td>Glycerol</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>T4 Polynucleotide Kinase</td>
<td>LD50 Oral</td>
<td>Rat</td>
<td>12600 mg/kg</td>
<td>-</td>
</tr>
<tr>
<td>Glycerol</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Exo(-) Klenow</td>
<td>LD50 Oral</td>
<td>Rat</td>
<td>12600 mg/kg</td>
<td>-</td>
</tr>
<tr>
<td>Glycerol</td>
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<td></td>
</tr>
<tr>
<td>SureSelect Methyl-Seq</td>
<td>LD50 Oral</td>
<td>Rat</td>
<td>12600 mg/kg</td>
<td>-</td>
</tr>
<tr>
<td>PCR Master Mix</td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Glycerol</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SureSelect Hyb 1</td>
<td>LD50 Oral</td>
<td>Rat</td>
<td>3000 mg/kg</td>
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<tr>
<td>Sodium chloride</td>
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<td></td>
<td></td>
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<tr>
<td>SureSelect Hyb 2</td>
<td>LD50 Oral</td>
<td>Rat</td>
<td>2 g/kg</td>
<td>-</td>
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<tr>
<td>Disodium dihydrogen ethylenediaminetetraacetate</td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SureSelect RNase Block</td>
<td>LD50 Oral</td>
<td>Rat</td>
<td>12600 mg/kg</td>
<td>-</td>
</tr>
<tr>
<td>Glycerol</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SureSelect Indexing Block 1</td>
<td>LD50 Oral</td>
<td>Rat</td>
<td>12600 mg/kg</td>
<td>-</td>
</tr>
<tr>
<td>Glycerol</td>
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<td></td>
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<td></td>
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</table>

Irritation/Corrosion

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Result</th>
<th>Species</th>
<th>Score</th>
<th>Exposure</th>
<th>Observation</th>
</tr>
</thead>
<tbody>
<tr>
<td>5X T4 DNA Ligase Buffer</td>
<td>Eyes - Mild irritant</td>
<td>Rabbit</td>
<td>-</td>
<td>24 hours 500 milligrams</td>
<td>-</td>
</tr>
<tr>
<td>Polyethylene glycol</td>
<td></td>
<td></td>
<td></td>
<td>500 milligrams</td>
<td>-</td>
</tr>
<tr>
<td>Eyes - Mild irritant</td>
<td></td>
<td></td>
<td></td>
<td>24 hours 500 milligrams</td>
<td>-</td>
</tr>
<tr>
<td>Skin - Mild irritant</td>
<td></td>
<td></td>
<td></td>
<td>500 milligrams</td>
<td>-</td>
</tr>
<tr>
<td>Skin - Mild irritant</td>
<td></td>
<td></td>
<td></td>
<td>500 milligrams</td>
<td>-</td>
</tr>
<tr>
<td>Klenow DNA Polymerase</td>
<td>Eyes - Mild irritant</td>
<td>Rabbit</td>
<td>-</td>
<td>24 hours 500 milligrams</td>
<td>-</td>
</tr>
<tr>
<td>Glycerol</td>
<td></td>
<td></td>
<td></td>
<td>500 milligrams</td>
<td>-</td>
</tr>
<tr>
<td>Eyes - Mild irritant</td>
<td></td>
<td></td>
<td></td>
<td>24 hours 500 milligrams</td>
<td>-</td>
</tr>
<tr>
<td>Skin - Mild irritant</td>
<td></td>
<td></td>
<td></td>
<td>24 hours 500 milligrams</td>
<td>-</td>
</tr>
<tr>
<td>T4 DNA Ligase</td>
<td>Eyes - Mild irritant</td>
<td>Rabbit</td>
<td>-</td>
<td>24 hours 500 milligrams</td>
<td>-</td>
</tr>
<tr>
<td>Glycerol</td>
<td></td>
<td></td>
<td></td>
<td>24 hours 500 milligrams</td>
<td>-</td>
</tr>
<tr>
<td>Eyes - Mild irritant</td>
<td></td>
<td></td>
<td></td>
<td>24 hours 500 milligrams</td>
<td>-</td>
</tr>
<tr>
<td>Skin - Mild irritant</td>
<td></td>
<td></td>
<td></td>
<td>24 hours 500 milligrams</td>
<td>-</td>
</tr>
<tr>
<td>T4 DNA Polymerase</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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### Section 11. Toxicological information

<table>
<thead>
<tr>
<th>Product</th>
<th>Sensitisation</th>
<th>Mutagenicity</th>
<th>Carcinogenicity</th>
<th>Reproductive toxicity</th>
<th>Teratogenicity</th>
</tr>
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<tbody>
<tr>
<td>Glycerol</td>
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<td>Not available.</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>T4 Polynucleotide Kinase</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Glycerol</td>
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<tr>
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<td>Glycerol</td>
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<tr>
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<td>SureSelect Indexing Block 1</td>
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<tr>
<td>Glycerol</td>
<td></td>
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</tbody>
</table>

| Sensitisation                       | Rabbit | 24 hours 500 milligrams | 24 hours 500 milligrams | -                                  | -                                  |
| Eyes - Mild irritant                  |        |                         |                         |                                    |                                    |
| Skin - Mild irritant                  |        |                         |                         |                                    |                                    |
| Sensitisation                       | Rabbit | 24 hours 500 milligrams | 24 hours 500 milligrams | -                                  | -                                  |
| Eyes - Mild irritant                  |        |                         |                         |                                    |                                    |
| Skin - Mild irritant                  |        |                         |                         |                                    |                                    |

| Mutagenicity                          | Not available.          |                                   |                                      |                                   |                                    |
| Carcinogenicity                       | Not available.          |                                   |                                      |                                   |                                    |
| Reproductive toxicity                 | Not available.          |                                   |                                      |                                   |                                    |
| Teratogenicity                        | Not available.          |                                   |                                      |                                   |                                    |

**Specific target organ toxicity (single exposure)**
### Section 11. Toxicological information

<table>
<thead>
<tr>
<th>Name</th>
<th>Category</th>
<th>Route of exposure</th>
<th>Target organs</th>
</tr>
</thead>
<tbody>
<tr>
<td>5X T4 DNA Ligase Buffer 2-Amino-2-[(hydroxymethyl)propane-1,3-diol hydrochloride</td>
<td>Category 3</td>
<td>Not applicable.</td>
<td>Respiratory tract irritation</td>
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</tr>
<tr>
<td>Klenow DNA Polymerase</td>
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<td>T4 DNA Ligase</td>
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<td></td>
</tr>
<tr>
<td>T4 DNA Polymerase</td>
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<tr>
<td>T4 Polynucleotide Kinase dNTP Mix</td>
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</tr>
<tr>
<td>10x Klenow Polymerase Buffer</td>
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<td></td>
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</tr>
<tr>
<td>Exo(-) Klenow</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>dATP</td>
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<tr>
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</tr>
<tr>
<td>SureSelect Methyl-Seq Indexing Primer Common</td>
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</tr>
<tr>
<td>SureSelect Methyl-Seq PCR1 primer F</td>
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</tr>
<tr>
<td>SureSelect Methyl-Seq PCR1 primer R</td>
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</tr>
<tr>
<td>SureSelect Methyl-Seq PCR Master Mix</td>
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</tr>
<tr>
<td>SureSelect XT 8 bp Indexes</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SureSelect Hyb 1</td>
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</tr>
<tr>
<td>SureSelect Hyb 2</td>
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<td>SureSelect Hyb 4</td>
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<tr>
<td>SureSelect Binding Buffer</td>
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<td>SureSelect Wash Buffer 1</td>
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</tr>
<tr>
<td>SureSelect Wash Buffer 2</td>
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<td></td>
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</tr>
<tr>
<td>SureSelect Elution Buffer</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>SureSelect Block 2</td>
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<tr>
<td>SureSelect Methyl-Seq Block 3</td>
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</table>

**Specific target organ toxicity (repeated exposure)**

<table>
<thead>
<tr>
<th>Name</th>
<th>Category</th>
<th>Route of exposure</th>
<th>Target organs</th>
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</thead>
<tbody>
<tr>
<td>SureSelect Hyb 2 Disodium dihydrogen ethylenediaminetetraacetate</td>
<td>Category 2</td>
<td>Inhalation</td>
<td>respiratory tract</td>
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</table>

**Aspiration hazard**

Not available.

**Information on likely routes of exposure**

<table>
<thead>
<tr>
<th>Name</th>
<th>Route of entry anticipated:</th>
<th>Note</th>
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</thead>
<tbody>
<tr>
<td>10X End Repair Buffer</td>
<td>Oral, Dermal, Inhalation</td>
<td></td>
</tr>
<tr>
<td>5X T4 DNA Ligase Buffer</td>
<td>Oral, Dermal, Inhalation</td>
<td></td>
</tr>
<tr>
<td>Klenow DNA Polymerase</td>
<td>Oral, Dermal, Inhalation</td>
<td></td>
</tr>
<tr>
<td>T4 DNA Ligase</td>
<td>Oral, Dermal, Inhalation</td>
<td></td>
</tr>
<tr>
<td>T4 DNA Polymerase</td>
<td>Oral, Dermal, Inhalation</td>
<td></td>
</tr>
<tr>
<td>T4 Polynucleotide Kinase dNTP Mix</td>
<td>Oral, Dermal, Inhalation</td>
<td></td>
</tr>
<tr>
<td>10x Klenow Polymerase Buffer</td>
<td>Oral, Dermal, Inhalation</td>
<td></td>
</tr>
<tr>
<td>Exo(-) Klenow</td>
<td>Oral, Dermal, Inhalation</td>
<td></td>
</tr>
<tr>
<td>dATP</td>
<td>Not available.</td>
<td></td>
</tr>
<tr>
<td>SureSelect Methyl-Seq Methylated Adapter</td>
<td>Not available.</td>
<td></td>
</tr>
<tr>
<td>SureSelect Methyl-Seq Indexing Primer Common</td>
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</tr>
<tr>
<td>SureSelect Methyl-Seq PCR1 primer F</td>
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</tr>
<tr>
<td>SureSelect Methyl-Seq PCR1 primer R</td>
<td>Not available.</td>
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</tr>
<tr>
<td>SureSelect Methyl-Seq PCR Master Mix</td>
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</tr>
<tr>
<td>SureSelect XT 8 bp Indexes</td>
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</tr>
<tr>
<td>SureSelect Hyb 1</td>
<td>Oral, Dermal, Inhalation</td>
<td></td>
</tr>
<tr>
<td>SureSelect Hyb 2</td>
<td>Oral, Dermal, Inhalation</td>
<td></td>
</tr>
<tr>
<td>SureSelect Hyb 4</td>
<td>Oral, Dermal, Inhalation</td>
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</tr>
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<tr>
<td>SureSelect Wash Buffer 2</td>
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</tr>
<tr>
<td>SureSelect Elution Buffer</td>
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</tr>
<tr>
<td>SureSelect Block 2</td>
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</tr>
<tr>
<td>SureSelect Hyb 3</td>
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</tr>
<tr>
<td>SureSelect RNase Block</td>
<td>Oral, Dermal, Inhalation</td>
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</tr>
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</tr>
<tr>
<td>SureSelect Methyl-Seq Block 3</td>
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</tr>
<tr>
<td>Exo(-) Klenow</td>
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</table>

**Potential acute health effects**

**Eye contact**

<table>
<thead>
<tr>
<th>Name</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>10X End Repair Buffer</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>5X T4 DNA Ligase Buffer</td>
<td>Causes serious eye irritation.</td>
</tr>
<tr>
<td>Klenow DNA Polymerase</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>T4 DNA Ligase</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>T4 DNA Polymerase</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>T4 Polynucleotide Kinase dNTP Mix</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>10x Klenow Polymerase Buffer</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>Exo(-) Klenow</td>
<td>No known significant effects or critical hazards.</td>
</tr>
</tbody>
</table>
### Section 11. Toxicological information

<table>
<thead>
<tr>
<th>Component</th>
<th>Toxicological Information</th>
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</thead>
<tbody>
<tr>
<td>dATP</td>
<td>No known significant effects or critical hazards.</td>
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<tr>
<td>SureSelect Methyl-Seq Methylated Adapter</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq Indexing Primer Common</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq PCR Master Mix</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
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</tr>
<tr>
<td>SureSelect Hyb 1</td>
<td>Causes serious eye irritation.</td>
</tr>
<tr>
<td>SureSelect Hyb 2</td>
<td>Causes serious eye irritation.</td>
</tr>
<tr>
<td>SureSelect Hyb 4</td>
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<tr>
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</tr>
<tr>
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</tr>
<tr>
<td>SureSelect Hyb 3</td>
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</tr>
<tr>
<td>SureSelect RNase Block</td>
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</tr>
<tr>
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</tr>
<tr>
<td>SureSelect Methyl-Seq</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq Block 3</td>
<td>No known significant effects or critical hazards.</td>
</tr>
</tbody>
</table>

**Inhalation**

- 10X End Repair Buffer
- 5X T4 DNA Ligase Buffer
- Klenow DNA Polymerase
- T4 DNA Ligase
- T4 DNA Polymerase
- T4 Polynucleotide Kinase
- dNTP Mix
- 10x Klenow Polymerase Buffer
- Exo(-) Klenow
- dATP
- SureSelect Methyl-Seq Methylated Adapter
- SureSelect Methyl-Seq Indexing Primer Common
- SureSelect Methyl-Seq PCR Master Mix
- SureSelect XT 8 bp Indexes
- SureSelect Hyb 1
- SureSelect Hyb 2
- SureSelect Hyb 4
- SureSelect Binding Buffer
- SureSelect Wash Buffer 1
- SureSelect Wash Buffer 2
- SureSelect Elution Buffer
- SureSelect Block 2
- SureSelect Hyb 3
- SureSelect RNase Block
- SureSelect Indexing Block 1
- SureSelect Methyl-Seq Block 3

No known significant effects or critical hazards.
## Section 11. Toxicological information

<table>
<thead>
<tr>
<th>Skin contact</th>
<th>10X End Repair Buffer</th>
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</tr>
<tr>
<td>Klenow DNA Polymerase</td>
<td>No known significant effects or critical hazards.</td>
<td></td>
</tr>
<tr>
<td>T4 DNA Ligase</td>
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<td></td>
</tr>
<tr>
<td>T4 DNA Polymerase</td>
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</tr>
<tr>
<td>T4 Polynucleotide Kinase</td>
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<tr>
<td>dNTP Mix</td>
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<tr>
<td>10x Klenow Polymerase Buffer</td>
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</tr>
<tr>
<td>Exo(-) Klenow</td>
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<td>SureSelect Hyb 4</td>
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<tr>
<td>SureSelect RNase Block</td>
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</tr>
<tr>
<td>SureSelect Indexing Block 2</td>
<td>No known significant effects or critical hazards.</td>
<td></td>
</tr>
</tbody>
</table>

| Ingestion | 10X End Repair Buffer | No known significant effects or critical hazards. |
| 5X T4 DNA Ligase Buffer | No known significant effects or critical hazards. |
| Klenow DNA Polymerase | No known significant effects or critical hazards. |
| T4 DNA Ligase | No known significant effects or critical hazards. |
| T4 DNA Polymerase | No known significant effects or critical hazards. |
| T4 Polynucleotide Kinase | No known significant effects or critical hazards. |
| dNTP Mix | No known significant effects or critical hazards. |
| 10x Klenow Polymerase Buffer | No known significant effects or critical hazards. |
| Exo(-) Klenow | No known significant effects or critical hazards. |
| dATP | No known significant effects or critical hazards. |
| SureSelect Methyl-Seq Methylated Adapter | No known significant effects or critical hazards. |
| SureSelect Methyl-Seq Indexing Primer Common | No known significant effects or critical hazards. |
| SureSelect Methyl-Seq PCR1 primer F | No known significant effects or critical hazards. |
| SureSelect Methyl-Seq PCR1 primer R | No known significant effects or critical hazards. |
| SureSelect Methyl-Seq PCR Master Mix | No known significant effects or critical hazards. |
| SureSelect XT 8 bp Indexes | No known significant effects or critical hazards. |
| SureSelect Hyb 1 | No known significant effects or critical hazards. |
| SureSelect Hyb 2 | No known significant effects or critical hazards. |
| SureSelect Hyb 4 | No known significant effects or critical hazards. |
| SureSelect Binding Buffer | No known significant effects or critical hazards. |
| SureSelect Wash Buffer 1 | No known significant effects or critical hazards. |
| SureSelect Wash Buffer 2 | No known significant effects or critical hazards. |
Section 11. Toxicological information

SureSelect Elution Buffer: No known significant effects or critical hazards.
SureSelect Block 2: No known significant effects or critical hazards.
SureSelect Hyb 3: No known significant effects or critical hazards.
SureSelect RNase Block: No known significant effects or critical hazards.
SureSelect Indexing Block 1: No known significant effects or critical hazards.
SureSelect Methyl-Seq Block 3: No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact:
- 10X End Repair Buffer: No specific data.
- 5X T4 DNA Ligase Buffer: Adverse symptoms may include the following:
  - pain or irritation
  - watering
  - redness
Klenow DNA Polymerase: No specific data.
T4 DNA Ligase: No specific data.
T4 DNA Polymerase: No specific data.
T4 Polynucleotide Kinase: No specific data.
dNTP Mix: No specific data.
10x Klenow Polymerase Buffer: No specific data.
Exo(-) Klenow: No specific data.
dATP: No specific data.
SureSelect Methyl-Seq Methylated Adapter: No specific data.
SureSelect Methyl-Seq Indexing Primer Common: No specific data.
PCR1 primer F: No specific data.
SureSelect Methyl-Seq PCR Master Mix: No specific data.
SureSelect XT 8 bp Indexes: No specific data.
SureSelect Hyb 1: Adverse symptoms may include the following:
  - pain or irritation
  - watering
  - redness
SureSelect Hyb 2: Adverse symptoms may include the following:
  - pain or irritation
  - watering
  - redness
SureSelect Hyb 4: No specific data.
SureSelect Binding Buffer: No specific data.
SureSelect Wash Buffer 1: No specific data.
SureSelect Wash Buffer 2: No specific data.
SureSelect Elution Buffer: No specific data.
SureSelect Block 2: No specific data.
SureSelect Hyb 3: No specific data.
SureSelect RNase Block: No specific data.
SureSelect Indexing Block 1: No specific data.
SureSelect Methyl-Seq Block 3: No specific data.

Inhalation:
- 10X End Repair Buffer: No specific data.
- 5X T4 DNA Ligase Buffer: No specific data.
- Klenow DNA Polymerase: No specific data.
- T4 DNA Ligase: No specific data.
- T4 DNA Polymerase: No specific data.
- T4 Polynucleotide Kinase: No specific data.
- dNTP Mix: No specific data.
- 10x Klenow Polymerase Buffer: No specific data.
### Section 11. Toxicological information

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Toxicological Information</th>
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<tbody>
<tr>
<td>Exo(-) Klenow</td>
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<td>SureSelect Methyl-Seq Indexing Primer Common</td>
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<td>PCR1 primer F</td>
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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**

**General**:
- 10X End Repair Buffer: No known significant effects or critical hazards.
- 5X T4 DNA Ligase Buffer: No known significant effects or critical hazards.
- Klenow DNA Polymerase: No known significant effects or critical hazards.
- T4 DNA Ligase: No known significant effects or critical hazards.
- T4 DNA Polymerase: No known significant effects or critical hazards.
- T4 Polynucleotide Kinase: No known significant effects or critical hazards.
- dNTP Mix: No known significant effects or critical hazards.
- 10x Klenow Polymerase Buffer: No known significant effects or critical hazards.
- Exo(-) Klenow: No known significant effects or critical hazards.
- dATP: No known significant effects or critical hazards.
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- SureSelect Hyb 2: No known significant effects or critical hazards.
- SureSelect Hyb 4: No known significant effects or critical hazards.
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- SureSelect RNase Block: No known significant effects or critical hazards.
- SureSelect Indexing Block 1: No known significant effects or critical hazards.
- SureSelect Methyl-Seq Block 3: No known significant effects or critical hazards.
### Section 11. Toxicological information

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**Carcinogenicity**

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## Section 11. Toxicological information

### Mutagenicity:
- **10X End Repair Buffer**: No known significant effects or critical hazards.
- **5X T4 DNA Ligase Buffer**: No known significant effects or critical hazards.
- **Klenow DNA Polymerase**: No known significant effects or critical hazards.
- **T4 DNA Ligase**: No known significant effects or critical hazards.
- **T4 DNA Polymerase**: No known significant effects or critical hazards.
- **T4 Polynucleotide Kinase**: No known significant effects or critical hazards.
- **dNTP Mix**: No known significant effects or critical hazards.
- **10x Klenow Polymerase Buffer**: No known significant effects or critical hazards.
- **Exo(-) Klenow**: No known significant effects or critical hazards.
- **dATP**: No known significant effects or critical hazards.
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### Teratogenicity:
- **10X End Repair Buffer**: No known significant effects or critical hazards.
- **5X T4 DNA Ligase Buffer**: No known significant effects or critical hazards.
- **Klenow DNA Polymerase**: No known significant effects or critical hazards.
- **T4 DNA Ligase**: No known significant effects or critical hazards.
- **T4 DNA Polymerase**: No known significant effects or critical hazards.
- **T4 Polynucleotide Kinase**: No known significant effects or critical hazards.
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Section 11. Toxicological information

**Developmental effects**

- SureSelect Elution Buffer: No known significant effects or critical hazards.
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- T4 DNA Ligase: No known significant effects or critical hazards.
- T4 DNA Polymerase: No known significant effects or critical hazards.
- T4 Polynucleotide Kinase: No known significant effects or critical hazards.
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- dATP: No known significant effects or critical hazards.
- SureSelect Methyl-Seq Methylated Adapter: No known significant effects or critical hazards.
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- PCR1 primer F: No known significant effects or critical hazards.
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- SureSelect RNase Block: No known significant effects or critical hazards.
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**Fertility effects**

- 10X End Repair Buffer: No known significant effects or critical hazards.
- 5X T4 DNA Ligase Buffer: No known significant effects or critical hazards.
- Klenow DNA Polymerase: No known significant effects or critical hazards.
- T4 DNA Ligase: No known significant effects or critical hazards.
- T4 DNA Polymerase: No known significant effects or critical hazards.
- T4 Polynucleotide Kinase: No known significant effects or critical hazards.
- dNTP Mix: No known significant effects or critical hazards.
- 10x Klenow Polymerase Buffer: No known significant effects or critical hazards.
- Exo(-) Klenow: No known significant effects or critical hazards.
- dATP: No known significant effects or critical hazards.
- SureSelect Methyl-Seq Methylated Adapter: No known significant effects or critical hazards.
- SureSelect Methyl-Seq Indexing Primer Common: No known significant effects or critical hazards.
- PCR1 primer F: No known significant effects or critical hazards.
- PCR1 primer R: No known significant effects or critical hazards.
- SureSelect Methyl-Seq PCR Master Mix: No known significant effects or critical hazards.
Section 11. Toxicological information

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SureSelect Hyb 2: No known significant effects or critical hazards.
SureSelect Hyb 4: No known significant effects or critical hazards.
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Numerical measures of toxicity

Acute toxicity estimates

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<td>SureSelect Hyb 4 Oral</td>
<td>128800 mg/kg</td>
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Section 12. Ecological information

Toxicity

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<th>Result</th>
<th>Species</th>
<th>Exposure</th>
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<tr>
<td>Polyethylene glycol</td>
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<td>Klenow DNA Polymerase</td>
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<td>Glycerol</td>
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<td>Sodium chloride</td>
<td>Acute EC50 4.74 g/L Fresh water</td>
<td>Algae - Chlamydomonas reinhardtii</td>
<td>96 hours</td>
</tr>
</tbody>
</table>
### Section 12. Ecological information

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Test</th>
<th>Result</th>
<th>Dose</th>
<th>Inoculum</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute EC50 519.6 mg/l Fresh water</td>
<td>Crustaceans - Cypris subglobosa</td>
<td>48 hours</td>
<td></td>
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<tr>
<td>Acute EC50 402600 μg/l Fresh water</td>
<td>Daphnia - Daphnia magna</td>
<td>96 hours</td>
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</tr>
<tr>
<td>Acute LC50 6.87 g/L Fresh water</td>
<td>Aquatic plants - Lemna minor</td>
<td>96 hours</td>
<td></td>
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<tr>
<td>Acute LC50 1000000 μg/l Fresh water</td>
<td>Fish - Morone saxatilis - Larvae</td>
<td>3 weeks</td>
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<td></td>
</tr>
<tr>
<td>Chronic LC10 781 mg/l Fresh water</td>
<td>Crustaceans - Hyalella azteca - Juvenile (Fledgling, Hatchling, Weanling)</td>
<td>96 hours</td>
<td></td>
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<tr>
<td>Chronic NOEC 6 g/L Fresh water</td>
<td>Aquatic plants - Lemna minor</td>
<td>21 days</td>
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</tr>
<tr>
<td>Chronic NOEC 0.314 g/L Fresh water</td>
<td>Daphnia - Daphnia pulex</td>
<td>8 weeks</td>
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</tr>
<tr>
<td>Chronic NOEC 100 mg/l Fresh water</td>
<td>Fish - Gambusia holbrooki - Adult</td>
<td>96 hours</td>
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</tbody>
</table>

### Persistence and degradability

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Test</th>
<th>Result</th>
<th>Dose</th>
<th>Inoculum</th>
</tr>
</thead>
<tbody>
<tr>
<td>Klenow DNA Polymerase</td>
<td>301D Ready Biodegradability - Closed Bottle Test</td>
<td>93 % - 30 days</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>T4 DNA Ligase</td>
<td>301D Ready Biodegradability - Closed Bottle Test</td>
<td>93 % - 30 days</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>T4 DNA Polymerase</td>
<td>301D Ready Biodegradability - Closed Bottle Test</td>
<td>93 % - 30 days</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>T4 Polynucleotide Kinase</td>
<td>301D Ready Biodegradability - Closed Bottle Test</td>
<td>93 % - 30 days</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Exo(-) Klenow</td>
<td>301D Ready Biodegradability - Closed Bottle Test</td>
<td>93 % - 30 days</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq PCR Master Mix</td>
<td>301D Ready Biodegradability - Closed Bottle Test</td>
<td>93 % - 30 days</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>SureSelect RNase Block</td>
<td>301D Ready Biodegradability - Closed Bottle Test</td>
<td>93 % - 30 days</td>
<td>-</td>
<td>-</td>
</tr>
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</table>
Section 12. Ecological information

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>LogP_{ow}</th>
<th>BCF</th>
<th>Potential</th>
</tr>
</thead>
<tbody>
<tr>
<td>5X T4 DNA Ligase Buffer</td>
<td></td>
<td>3.2</td>
<td>low</td>
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<tr>
<td>Polyethylene glycol</td>
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<td></td>
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</tr>
<tr>
<td>Klenow DNA Polymerase</td>
<td>-1.76</td>
<td>-</td>
<td>low</td>
</tr>
<tr>
<td>Glycerol</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>T4 DNA Ligase</td>
<td>-1.76</td>
<td>-</td>
<td>low</td>
</tr>
<tr>
<td>Glycerol</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>T4 DNA Polymerase</td>
<td>-1.76</td>
<td>-</td>
<td>low</td>
</tr>
<tr>
<td>Glycerol</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>T4 Polynucleotide Kinase</td>
<td>-1.76</td>
<td>-</td>
<td>low</td>
</tr>
<tr>
<td>Glycerol</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Exo(-) Klenow</td>
<td>-1.76</td>
<td>-</td>
<td>low</td>
</tr>
<tr>
<td>Glycerol</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SureSelect Methyl-Seq PCR Master Mix</td>
<td>-1.76</td>
<td>-</td>
<td>low</td>
</tr>
<tr>
<td>Glycerol</td>
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<td></td>
<td></td>
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<tr>
<td>SureSelect Hyb 2</td>
<td>-4.3</td>
<td>1.8</td>
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<tr>
<td>Disodium dihydrogen ethylenediaminetetraacetate</td>
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</tr>
<tr>
<td>SureSelect RNase Block</td>
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<td>low</td>
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<tr>
<td>Glycerol</td>
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<tr>
<td>SureSelect Indexing Block 1</td>
<td>-1.76</td>
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<td>low</td>
</tr>
<tr>
<td>Glycerol</td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

**Bioaccumulative potential**

- **LogP_{ow}**
- **BCF**
- **Potential**

**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. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. 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 listed.

**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**: Not determined.
- **Canada**: Not determined.
- **China**: Not determined.
- **Europe**: Not determined.
- **Malaysia**: Not determined.
- **New Zealand**: Not determined.
- **Philippines**: Not determined.
Section 15. Regulatory information

Republic of Korea : Not determined.
Taiwan : Not determined.
Thailand : Not determined.
Turkey : Not determined.
United States : Not determined.
Viet Nam : Not determined.

Section 16. Any other relevant information

History
Date of issue/Date of revision : 18/10/2018
Date of previous issue : 31/01/2017
Version : 3
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
NOHSC = National Occupational Health and Safety Commission
SUSMP = Standard Uniform Schedule of Medicine and Poisons
UN = United Nations

Procedure used to derive the classification

<table>
<thead>
<tr>
<th>Classification</th>
<th>Justification</th>
</tr>
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<tbody>
<tr>
<td>5X T4 DNA Ligase Buffer</td>
<td>Expert judgment</td>
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<tr>
<td>Eye Irrit. 2A, H319</td>
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<tr>
<td>SureSelect Hyb 1</td>
<td>Calculation method</td>
</tr>
<tr>
<td>Eye Irrit. 2A, H319</td>
<td></td>
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<tr>
<td>SureSelect Hyb 2</td>
<td>Calculation method</td>
</tr>
<tr>
<td>Eye Irrit. 2A, H319</td>
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<tr>
<td>STOT RE 2, H373 (respiratory tract)</td>
<td>Calculation method</td>
</tr>
<tr>
<td>References</td>
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</tbody>
</table>

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