

SAFETY DATA SHEET**SureSelect XT Reagent Kit-S5500 - 16 Samples, Part Number G9615A****SECTION 1: Identification of the substance/mixture and of the company/
undertaking****1.1 Product identifier**

| | | |
|-----------------------|--|---|
| Product name | : SureSelect XT Reagent Kit-S5500 - 16 Samples, Part Number G9615A | |
| Part No. (Kit) | : G9615A | |
| Part No. | : | 10X End-Repair Buffer 5190-4472 |
| | | 5X T4 DNA Ligase Buffer 5190-4473 |
| | | Klenow DNA Polymerase 5190-4928 |
| | | T4 DNA Ligase 5190-4475 |
| | | T4 DNA Polymerase 5190-4927 |
| | | T4 Polynucleotide Kinase 5190-4929 |
| | | dNTP Mix 5190-4931 |
| | | 10x Klenow Polymerase 5190-4474 |
| | | Buffer |
| | | Exo(-) Klenow 5190-4926 |
| | | dATP 5190-4930 |
| | | SureSelect LTI5500 P1 5190-5458 |
| | | SureSelect LTI5500 IA 5190-5459 |
| | | SureSelect LTI Pre 5190-5460 |
| | | Capture Primer |
| | | SureSelect LT-BC1 through -BC16 various* |
| | | SureSelect RNase Block 5190-4383 |
| | | SureSelect Hyb #3 5190-4382 |
| | | SureSelect Block #2 5190-4381 |
| | | SureSelect Indexing Block #1 5190-4427 |
| | | SureSelect LT Indexing Block #3 5190-4447 |
| | | SureSelect Hyb #1 5190-4396 |
| | | SureSelect Hyb #2 5190-4397 |
| | | SureSelect Hyb #4 5190-4398 |
| | | SureSelect Binding Buffer 5190-4399 |
| | | SureSelect Wash Buffer 1 5190-4400 |
| | | SureSelect Wash Buffer 2 5190-4401 |

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

| Identified uses | |
|-----------------------------------|----------|
| Analytical reagent. | |
| 10X End-Repair Buffer | 0.17 ml |
| 5X T4 DNA Ligase Buffer | 0.35 ml |
| Klenow DNA Polymerase | 0.036 ml |
| T4 DNA Ligase | 0.028 ml |
| T4 DNA Polymerase | 0.021 ml |
| T4 Polynucleotide Kinase | 0.040 ml |
| dNTP Mix | 0.032 ml |
| 10x Klenow Polymerase Buffer | 0.088 ml |
| Exo(-) Klenow | 0.053 ml |
| dATP | 0.02 ml |
| SureSelect LTI5500 P1 | 0.083 ml |
| SureSelect LTI5500 IA | 0.083 ml |
| SureSelect LTI Pre Capture Primer | 0.071 ml |
| SureSelect LT-BC1 through -BC16 | 0.005 ml |
| SureSelect RNase Block | 0.016 ml |
| SureSelect Hyb #3 | 0.16 ml |

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|---------------------------------|----------|
| SureSelect Block #2 | 0.04 ml |
| SureSelect Indexing Block #1 | 0.04 ml |
| SureSelect LT Indexing Block #3 | 0.029 ml |
| SureSelect Hyb #1 | 0.4 ml |
| SureSelect Hyb #2 | 0.016 ml |
| SureSelect Hyb #4 | 0.208 ml |
| SureSelect Binding Buffer | 12.8 ml |
| SureSelect Wash Buffer 1 | 8 ml |
| SureSelect Wash Buffer 2 | 24 ml |

1.3 Details of the supplier of the safety data sheet

Agilent Technologies Manufacturing GmbH & Co. KG
 Hewlett-Packard-Str. 8
 76337 Waldbronn
 Germany
 0800 603 1000

e-mail address of person responsible for this SDS : pdl-msds_author@agilent.com

1.4 Emergency telephone number

Emergency telephone number (with hours of operation) : CHEMTREC®: +(44)-870-8200418

Nota * : SureSelect LT-BC1 through -BC16: 5972-3659, 5972-3660, 5972-3661, 5972-3662, 5972-3663, 5972-3664, 5972-3665, 5972-3666, 5972-3667, 5972-3668, 5972-3669, 5972-3670, 5972-3671, 5972-3672, 5972-3673, 5972-3674

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

| | | | |
|---------------------------|---|---------------------------------|---------|
| Product definition | : | 10X End-Repair Buffer | Mixture |
| | | 5X T4 DNA Ligase Buffer | Mixture |
| | | Klenow DNA Polymerase | Mixture |
| | | T4 DNA Ligase | Mixture |
| | | T4 DNA Polymerase | Mixture |
| | | T4 Polynucleotide Kinase | Mixture |
| | | dNTP Mix | Mixture |
| | | 10x Klenow Polymerase Buffer | Mixture |
| | | Exo(-) Klenow | Mixture |
| | | dATP | Mixture |
| | | SureSelect LTI5500 P1 | Mixture |
| | | SureSelect LTI5500 IA | Mixture |
| | | SureSelect LTI Pre | Mixture |
| | | Capture Primer | |
| | | SureSelect LT-BC1 through -BC16 | Mixture |
| | | SureSelect RNase Block | Mixture |
| | | SureSelect Hyb 3 | Mixture |
| | | SureSelect Block 2 | Mixture |
| | | SureSelect Indexing Block #1 | Mixture |
| | | SureSelect LT Indexing Block #3 | Mixture |
| | | SureSelect Hyb #1 | Mixture |
| | | SureSelect Hyb #2 | Mixture |
| | | SureSelect Hyb #4 | Mixture |
| | | SureSelect Binding Buffer | Mixture |
| | | SureSelect Wash Buffer | Mixture |

SECTION 2: Hazards identification

1
SureSelect Wash Buffer Mixture
2

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

Klenow DNA Polymerase

H373 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2

T4 DNA Ligase

H373 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2

T4 DNA Polymerase

H373 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2

T4 Polynucleotide Kinase

H373 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2

Exo(-) Klenow

H373 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2

SureSelect RNase Block

H373 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2

SureSelect Hyb #1

H319 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2

SureSelect Hyb #4

H317 SKIN SENSITIZATION - Category 1

Ingredients of unknown toxicity

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|---------------------------------|---|
| 10X End-Repair Buffer | Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 7.9% |
| 5X T4 DNA Ligase Buffer | Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 3.9% |
| Klenow DNA Polymerase | Not applicable. |
| T4 DNA Ligase | Not applicable. |
| T4 DNA Polymerase | Not applicable. |
| T4 Polynucleotide Kinase | Not applicable. |
| dNTP Mix | Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 5.7% |
| 10x Klenow Polymerase Buffer | Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 7.9% |
| Exo(-) Klenow | Not applicable. |
| dATP | Not applicable. |
| SureSelect LTI5500 P1 | Not applicable. |
| SureSelect LTI5500 IA | Not applicable. |
| SureSelect LTI Pre | Not applicable. |
| Capture Primer | |
| SureSelect LT-BC1 through -BC16 | Not applicable. |
| SureSelect RNase Block | Not applicable. |
| SureSelect Hyb 3 | Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 3% |
| SureSelect Block 2 | Not applicable. |
| SureSelect Indexing Block #1 | Not applicable. |
| SureSelect LT Indexing Block #3 | 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. |

SECTION 2: Hazards identification

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|---|-----------------------------------|---|
| Ingredients of unknown ecotoxicity | : 10X End-Repair Buffer | Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 9.3% |
| | 5X T4 DNA Ligase Buffer | Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 4.9% |
| | Klenow DNA Polymerase | Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 50% |
| | T4 DNA Ligase | Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 50% |
| | T4 DNA Polymerase | Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 50% |
| | T4 Polynucleotide Kinase | Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 50% |
| | dNTP Mix | Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 5.7% |
| | 10x Klenow Polymerase Buffer | Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 9.3% |
| | Exo(-) Klenow | Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 50% |
| | dATP | Not applicable. |
| | SureSelect LTI5500 P1 | Not applicable. |
| | SureSelect LTI5500 IA | Not applicable. |
| | SureSelect LTI Pre Capture Primer | Not applicable. |
| | SureSelect LT-BC1 through -BC16 | Not applicable. |
| | SureSelect RNase Block | Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 50% |
| | SureSelect Hyb 3 | Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 3% |
| | SureSelect Block 2 | Not applicable. |
| | SureSelect Indexing Block #1 | Not applicable. |
| | SureSelect LT Indexing Block #3 | Not applicable. |
| | SureSelect Hyb #1 | Not applicable. |
| | SureSelect Hyb #2 | Not applicable. |
| | SureSelect Hyb #4 | Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 1% |
| | SureSelect Binding Buffer | Not applicable. |
| | SureSelect Wash Buffer 1 | Not applicable. |
| | SureSelect Wash Buffer 2 | Not applicable. |

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

| | |
|------------------------------|--|
| 10X End-Repair Buffer | The product is not classified as dangerous according to Directive 1999/45/EC and its amendments. |
| 5X T4 DNA Ligase Buffer | The product is not classified as dangerous according to Directive 1999/45/EC and its amendments. |
| Klenow DNA Polymerase | The product is not classified as dangerous according to Directive 1999/45/EC and its amendments. |
| T4 DNA Ligase | The product is not classified as dangerous according to Directive 1999/45/EC and its amendments. |
| T4 DNA Polymerase | The product is not classified as dangerous according to Directive 1999/45/EC and its amendments. |
| T4 Polynucleotide Kinase | The product is not classified as dangerous according to Directive 1999/45/EC and its amendments. |
| dNTP Mix | The product is not classified as dangerous according to Directive 1999/45/EC and its amendments. |
| 10x Klenow Polymerase Buffer | The product is not classified as dangerous according to Directive 1999/45/EC and its amendments. |
| Exo(-) Klenow | The product is not classified as dangerous according to Directive 1999/45/EC and its amendments. |
| dATP | The product is not classified as dangerous according to Directive 1999/45/EC and its amendments. |
| SureSelect LTI5500 P1 | The product is not classified as dangerous according to Directive 1999/45/EC and its amendments. |
| SureSelect LTI5500 IA | The product is not classified as dangerous according to Directive 1999/45/EC |

SECTION 2: Hazards identification

| | |
|-----------------------------------|---|
| SureSelect LTI Pre Capture Primer | and its amendments. The product is not classified as dangerous according to Directive 1999/45/EC and its amendments. |
| SureSelect LT-BC1 through -BC16 | The product is not classified as dangerous according to Directive 1999/45/EC and its amendments. |
| SureSelect RNase Block | The product is not classified as dangerous according to Directive 1999/45/EC and its amendments. |
| SureSelect Hyb 3 | The product is not classified as dangerous according to Directive 1999/45/EC and its amendments. |
| SureSelect Block 2 | The product is not classified as dangerous according to Directive 1999/45/EC and its amendments. |
| SureSelect Indexing Block #1 | The product is not classified as dangerous according to Directive 1999/45/EC and its amendments. |
| SureSelect LT Indexing Block #3 | The product is not classified as dangerous according to Directive 1999/45/EC and its amendments. |
| SureSelect Hyb #1 | The product is not classified as dangerous according to Directive 1999/45/EC and its amendments. |
| SureSelect Hyb #2 | The product is not classified as dangerous according to Directive 1999/45/EC and its amendments. |
| SureSelect Hyb #4 | The product is classified as dangerous according to Directive 1999/45/EC and its amendments. |
| SureSelect Binding Buffer | The product is not classified as dangerous according to Directive 1999/45/EC and its amendments. |
| SureSelect Wash Buffer 1 | The product is not classified as dangerous according to Directive 1999/45/EC and its amendments. |
| SureSelect Wash Buffer 2 | The product is not classified as dangerous according to Directive 1999/45/EC and its amendments. |

Classification :

| | |
|-----------------------------------|-----------------|
| 10X End-Repair Buffer | Not classified. |
| 5X T4 DNA Ligase Buffer | Not classified. |
| Klenow DNA Polymerase | Not classified. |
| T4 DNA Ligase | Not classified. |
| T4 DNA Polymerase | Not classified. |
| T4 Polynucleotide Kinase | Not classified. |
| dNTP Mix | Not classified. |
| 10x Klenow Polymerase Buffer | Not classified. |
| Exo(-) Klenow | Not classified. |
| dATP | Not classified. |
| SureSelect LTI5500 P1 | Not classified. |
| SureSelect LTI5500 IA | Not classified. |
| SureSelect LTI Pre Capture Primer | Not classified. |
| SureSelect LT-BC1 through -BC16 | Not classified. |
| SureSelect RNase Block | Not classified. |
| SureSelect Hyb 3 | Not classified. |
| SureSelect Block 2 | Not classified. |
| SureSelect Indexing Block #1 | Not classified. |
| SureSelect LT Indexing Block #3 | Not classified. |
| SureSelect Hyb #1 | Not classified. |
| SureSelect Hyb #2 | Not classified. |
| SureSelect Hyb #4 | R43 |
| SureSelect Binding Buffer | Not classified. |
| SureSelect Wash Buffer 1 | Not classified. |
| SureSelect Wash Buffer 2 | Not classified. |

SECTION 2: Hazards identification

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| Human health hazards | : | 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 LTI5500 P1 | Not applicable. |
| | | SureSelect LTI5500 IA | Not applicable. |
| | | SureSelect LTI Pre | Not applicable. |
| | | Capture Primer | |
| | | SureSelect LT-BC1 through -BC16 | Not applicable. |
| | | SureSelect RNase Block | Not applicable. |
| | | SureSelect Hyb 3 | Not applicable. |
| | | SureSelect Block 2 | Not applicable. |
| | | SureSelect Indexing Block #1 | Not applicable. |
| | | SureSelect LT Indexing Block #3 | Not applicable. |
| | | SureSelect Hyb #1 | Not applicable. |
| | | SureSelect Hyb #2 | Not applicable. |
| | | SureSelect Hyb #4 | May cause sensitisation by skin contact. |
| | | SureSelect Binding Buffer | Not applicable. |
| | | SureSelect Wash Buffer 1 | Not applicable. |
| | | SureSelect Wash Buffer 2 | Not applicable. |

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

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

2.2 Label elements

Hazard pictograms



Signal word

| | | |
|---|---------------------------------|-----------------|
| : | 10X End-Repair Buffer | No signal word. |
| | 5X T4 DNA Ligase Buffer | No signal word. |
| | Klenow DNA Polymerase | Warning |
| | T4 DNA Ligase | Warning |
| | T4 DNA Polymerase | Warning |
| | T4 Polynucleotide Kinase | Warning |
| | dNTP Mix | No signal word. |
| | 10x Klenow Polymerase Buffer | No signal word. |
| | Exo(-) Klenow | Warning |
| | dATP | No signal word. |
| | SureSelect LTI5500 P1 | No signal word. |
| | SureSelect LTI5500 IA | No signal word. |
| | SureSelect LTI Pre | No signal word. |
| | Capture Primer | |
| | SureSelect LT-BC1 through -BC16 | No signal word. |
| | SureSelect RNase Block | Warning |
| | SureSelect Hyb 3 | No signal word. |
| | SureSelect Block 2 | No signal word. |
| | SureSelect Indexing Block #1 | No signal word. |

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| | SureSelect LT Indexing Block #3 | No signal word. |
| | SureSelect Hyb #1 | Warning |
| | SureSelect Hyb #2 | No signal word. |
| | SureSelect Hyb #4 | Warning |
| | SureSelect Binding Buffer | No signal word. |
| | SureSelect Wash Buffer 1 | No signal word. |
| | SureSelect Wash Buffer 2 | 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 | GHS08 - May cause damage to organs through prolonged or repeated exposure. |
| | T4 DNA Ligase | GHS08 - May cause damage to organs through prolonged or repeated exposure. |
| | T4 DNA Polymerase | GHS08 - May cause damage to organs through prolonged or repeated exposure. |
| | T4 Polynucleotide Kinase | GHS08 - May cause damage to organs through prolonged or repeated exposure. |
| | dNTP Mix | No known significant effects or critical hazards. |
| | 10x Klenow Polymerase Buffer | No known significant effects or critical hazards. |
| | Exo(-) Klenow | GHS08 - May cause damage to organs through prolonged or repeated exposure. |
| | dATP | No known significant effects or critical hazards. |
| | SureSelect LTI5500 P1 | No known significant effects or critical hazards. |
| | SureSelect LTI5500 IA | No known significant effects or critical hazards. |
| | SureSelect LTI Pre Capture Primer | No known significant effects or critical hazards. |
| | SureSelect LT-BC1 through -BC16 | No known significant effects or critical hazards. |
| | SureSelect RNase Block | GHS08 - May cause damage to organs through prolonged or repeated exposure. |
| | SureSelect Hyb 3 | No known significant effects or critical hazards. |
| | SureSelect Block 2 | No known significant effects or critical hazards. |
| | SureSelect Indexing Block #1 | No known significant effects or critical hazards. |
| | SureSelect LT Indexing Block #3 | No known significant effects or critical hazards. |
| | SureSelect Hyb #1 | GHS07 - Causes serious eye irritation. |
| | SureSelect Hyb #2 | No known significant effects or critical hazards. |
| | SureSelect Hyb #4 | GHS07 - May cause an allergic skin reaction. |
| | 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. |

Precautionary statements

SECTION 2: Hazards identification

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|-------------------|--------------------------|-----------------------------------|---|
| Prevention | : | 10X End-Repair Buffer | Not applicable. |
| | | 5X T4 DNA Ligase Buffer | Not applicable. |
| | | Klenow DNA Polymerase | P260 - Do not breathe vapour. |
| | | T4 DNA Ligase | P260 - Do not breathe vapour. |
| | | T4 DNA Polymerase | P260 - Do not breathe vapour. |
| | | T4 Polynucleotide Kinase | P260 - Do not breathe vapour. |
| | | dNTP Mix | Not applicable. |
| | | 10x Klenow Polymerase Buffer | Not applicable. |
| | | Exo(-) Klenow dATP | P260 - Do not breathe vapour. Not applicable. |
| | | SureSelect LTI5500 P1 | Not applicable. |
| | | SureSelect LTI5500 IA | Not applicable. |
| | | SureSelect LTI Pre Capture Primer | Not applicable. |
| | | SureSelect LT-BC1 through -BC16 | Not applicable. |
| | | SureSelect RNase Block | P260 - Do not breathe vapour. |
| | | SureSelect Hyb 3 | Not applicable. |
| | | SureSelect Block 2 | Not applicable. |
| | | SureSelect Indexing Block #1 | Not applicable. |
| | | SureSelect LT Indexing Block #3 | Not applicable. |
| | | SureSelect Hyb #1 | P280 - Wear eye or face protection. P264 - Wash hands thoroughly after handling. |
| | | SureSelect Hyb #2 | Not applicable. |
| | | SureSelect Hyb #4 | P280 - Wear protective gloves. P261 - Avoid breathing vapour. P272 - Contaminated work clothing should not be allowed out of the workplace. |
| | | SureSelect Binding Buffer | Not applicable. |
| | | SureSelect Wash Buffer 1 | Not applicable. |
| | SureSelect Wash Buffer 2 | Not applicable. | |
| Response | : | 10X End-Repair Buffer | Not applicable. |
| | | 5X T4 DNA Ligase Buffer | Not applicable. |
| | | Klenow DNA Polymerase | P314 - Get medical attention if you feel unwell. |
| | | T4 DNA Ligase | P314 - Get medical attention if you feel unwell. |
| | | T4 DNA Polymerase | P314 - Get medical attention if you feel unwell. |
| | | T4 Polynucleotide Kinase | P314 - Get medical attention if you feel unwell. |
| | | dNTP Mix | Not applicable. |
| | | 10x Klenow Polymerase Buffer | Not applicable. |
| | | Exo(-) Klenow dATP | P314 - Get medical attention if you feel unwell. Not applicable. |
| | | SureSelect LTI5500 P1 | Not applicable. |
| | | SureSelect LTI5500 IA | Not applicable. |
| | | SureSelect LTI Pre Capture Primer | Not applicable. |
| | | SureSelect LT-BC1 through -BC16 | Not applicable. |
| | | SureSelect RNase Block | P314 - Get medical attention if you feel unwell. |
| | | SureSelect Hyb 3 | Not applicable. |
| | | SureSelect Block 2 | Not applicable. |
| | | SureSelect Indexing Block #1 | Not applicable. |
| | | SureSelect LT Indexing Block #3 | Not applicable. |
| | | SureSelect Hyb #1 | P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| | | SureSelect Hyb #2 | Not applicable. |

SECTION 2: Hazards identification

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| | SureSelect Hyb #4 | P302 + P352 - IF ON SKIN: Wash with plenty of soap and water. P333 + P313 - If skin irritation or rash occurs: Get medical attention. |
| | SureSelect Binding Buffer | Not applicable. |
| | SureSelect Wash Buffer 1 | Not applicable. |
| | SureSelect Wash Buffer 2 | Not applicable. |
| Storage | : 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 dATP | Not applicable. |
| | SureSelect LTI5500 P1 | Not applicable. |
| | SureSelect LTI5500 IA | Not applicable. |
| | SureSelect LTI Pre Capture Primer | Not applicable. |
| | SureSelect LT-BC1 through -BC16 | Not applicable. |
| | SureSelect RNase Block | Not applicable. |
| | SureSelect Hyb 3 | Not applicable. |
| | SureSelect Block 2 | Not applicable. |
| | SureSelect Indexing Block #1 | Not applicable. |
| | SureSelect LT Indexing Block #3 | 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. |
| Disposal | : 10X End-Repair Buffer | Not applicable. |
| | 5X T4 DNA Ligase Buffer | Not applicable. |
| | Klenow DNA Polymerase | P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations. |
| | T4 DNA Ligase | P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations. |
| | T4 DNA Polymerase | P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations. |
| | T4 Polynucleotide Kinase | P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations. |
| | dNTP Mix | Not applicable. |
| | 10x Klenow Polymerase Buffer | Not applicable. |
| | Exo(-) Klenow | P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations. |
| | dATP | Not applicable. |
| | SureSelect LTI5500 P1 | Not applicable. |
| | SureSelect LTI5500 IA | Not applicable. |
| | SureSelect LTI Pre Capture Primer | Not applicable. |
| | SureSelect LT-BC1 through -BC16 | Not applicable. |

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| SureSelect RNase Block | P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations. |
| SureSelect Hyb 3 | Not applicable. |
| SureSelect Block 2 | Not applicable. |
| SureSelect Indexing Block #1 | Not applicable. |
| SureSelect LT Indexing Block #3 | Not applicable. |
| SureSelect Hyb #1 | Not applicable. |
| SureSelect Hyb #2 | Not applicable. |
| SureSelect Hyb #4 | P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations. |
| SureSelect Binding Buffer | Not applicable. |
| SureSelect Wash Buffer 1 | Not applicable. |
| SureSelect Wash Buffer 2 | Not applicable. |

Hazardous ingredients

: **Klenow DNA Polymerase**
Glycerol

T4 DNA Ligase
Glycerol

T4 DNA Polymerase
Glycerol

T4 Polynucleotide Kinase
Glycerol

Exo(-) Klenow
Glycerol

SureSelect RNase Block
Glycerol

SureSelect Hyb #1
Sodium chloride

SureSelect Hyb #4
Sulfuric acid monododecyl ester sodium salt (1:1)

Supplemental label elements

| | |
|-----------------------------------|---|
| : 10X End-Repair Buffer | Safety data sheet available on request. |
| 5X T4 DNA Ligase Buffer | Safety data sheet available on request. |
| Klenow DNA Polymerase | Safety data sheet available on request. |
| T4 DNA Ligase | Safety data sheet available on request. |
| T4 DNA Polymerase | Safety data sheet available on request. |
| T4 Polynucleotide Kinase | Safety data sheet available on request. |
| dNTP Mix | Safety data sheet available on request. |
| 10x Klenow Polymerase Buffer | Safety data sheet available on request. |
| Exo(-) Klenow | Safety data sheet available on request. |
| dATP | Safety data sheet available on request. |
| SureSelect LTI5500 P1 | Safety data sheet available on request. |
| SureSelect LTI5500 IA | Safety data sheet available on request. |
| SureSelect LTI Pre Capture Primer | Safety data sheet available on request. |
| SureSelect LT-BC1 through -BC16 | Safety data sheet available on request. |
| SureSelect RNase Block | Safety data sheet available on request. |
| SureSelect Hyb 3 | Safety data sheet available on request. |
| SureSelect Block 2 | Safety data sheet available on request. |
| SureSelect Indexing Block #1 | Safety data sheet available on request. |
| SureSelect LT Indexing Block #3 | Safety data sheet available on request. |

SECTION 2: Hazards identification

| | |
|---------------------------|---|
| SureSelect Hyb #1 | Safety data sheet available on request. |
| SureSelect Hyb #2 | Safety data sheet available on request. |
| SureSelect Hyb #4 | Safety data sheet available on request. |
| SureSelect Binding Buffer | Safety data sheet available on request. |
| SureSelect Wash Buffer 1 | Safety data sheet available on request. |
| SureSelect Wash Buffer 2 | Safety data sheet available on request. |

Special packaging requirements

Tactile warning of danger

| | |
|-----------------------------------|-----------------|
| : 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 dATP | Not applicable. |
| SureSelect LTI5500 P1 | Not applicable. |
| SureSelect LTI5500 IA | Not applicable. |
| SureSelect LTI Pre Capture Primer | Not applicable. |
| SureSelect LT-BC1 through -BC16 | Not applicable. |
| SureSelect RNase Block | Not applicable. |
| SureSelect Hyb 3 | Not applicable. |
| SureSelect Block 2 | Not applicable. |
| SureSelect Indexing Block #1 | Not applicable. |
| SureSelect LT Indexing Block #3 | 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. |

2.3 Other hazards

Other hazards which do not result in classification

| | |
|-----------------------------------|-------------|
| : 10X End-Repair Buffer | None known. |
| 5X T4 DNA Ligase Buffer | None known. |
| Klenow DNA Polymerase | None known. |
| T4 DNA Ligase | None known. |
| T4 DNA Polymerase | None known. |
| T4 Polynucleotide Kinase | None known. |
| dNTP Mix | None known. |
| 10x Klenow Polymerase Buffer | None known. |
| Exo(-) Klenow dATP | None known. |
| SureSelect LTI5500 P1 | None known. |
| SureSelect LTI5500 IA | None known. |
| SureSelect LTI Pre Capture Primer | None known. |
| SureSelect LT-BC1 through -BC16 | None known. |
| SureSelect RNase Block | None known. |
| SureSelect Hyb 3 | None known. |

SECTION 2: Hazards identification

| | |
|---------------------------------|-------------|
| SureSelect Block 2 | None known. |
| SureSelect Indexing Block #1 | None known. |
| SureSelect LT Indexing Block #3 | None known. |
| SureSelect Hyb #1 | None known. |
| SureSelect Hyb #2 | None known. |
| SureSelect Hyb #4 | None known. |
| SureSelect Binding Buffer | None known. |
| SureSelect Wash Buffer 1 | None known. |
| SureSelect Wash Buffer 2 | None known. |

SECTION 3: Composition/information on ingredients

| | | | |
|--------------------------|---|---------------------------------|---------|
| Substance/mixture | : | 10X End-Repair Buffer | Mixture |
| | | 5X T4 DNA Ligase Buffer | Mixture |
| | | Klenow DNA Polymerase | Mixture |
| | | T4 DNA Ligase | Mixture |
| | | T4 DNA Polymerase | Mixture |
| | | T4 Polynucleotide Kinase | Mixture |
| | | dNTP Mix | Mixture |
| | | 10x Klenow Polymerase Buffer | Mixture |
| | | Exo(-) Klenow | Mixture |
| | | dATP | Mixture |
| | | SureSelect LTI5500 P1 | Mixture |
| | | SureSelect LTI5500 IA | Mixture |
| | | SureSelect LTI Pre | Mixture |
| | | Capture Primer | |
| | | SureSelect LT-BC1 through -BC16 | Mixture |
| | | SureSelect RNase Block | Mixture |
| | | SureSelect Hyb 3 | Mixture |
| | | SureSelect Block 2 | Mixture |
| | | SureSelect Indexing Block #1 | Mixture |
| | | SureSelect LT Indexing Block #3 | Mixture |
| | | SureSelect Hyb #1 | Mixture |
| | | SureSelect Hyb #2 | Mixture |
| | | SureSelect Hyb #4 | Mixture |
| | | SureSelect Binding Buffer | Mixture |
| | | SureSelect Wash Buffer 1 | Mixture |
| | | SureSelect Wash Buffer 2 | Mixture |

| Product/ingredient name | Identifiers | % | Classification | | Type |
|--|---------------------------------|-----------|--------------------------|--|------|
| | | | 67/548/EEC | Regulation (EC) No. 1272/2008 [CLP] | |
| 10X End-Repair Buffer | | | | | |
| 2-Amino-2-(hydroxymethyl) propane-1,3-diol hydrochloride | EC: 214-684-5 CAS: 1185-53-1 | >=5 - <10 | Xi; R36/37/38 | Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 (Respiratory tract irritation) | [1] |
| (R*,R*)-1,4-Dimercaptobutane-2, | EC: 222-468-7 CAS: 3483-12-3 | >=1 - <3 | Xn; R22 Xi; R36/37/38 | Acute Tox. 4, H302 Skin Irrit. 2, H315 | [1] |

SECTION 3: Composition/information on ingredients

| | | | | | |
|---|---------------------------------|------------|---------------------------------|--|-----|
| 3-diol | | | | Eye Irrit. 2, H319 STOT SE 3, H335 (Respiratory tract irritation) Aquatic Chronic 3, H412 | |
| 5X T4 DNA Ligase Buffer 2-Amino-2-(hydroxymethyl) propane-1,3-diol hydrochloride | EC: 214-684-5 CAS: 1185-53-1 | >=1 - <5 | Xi; R36/37/38 | Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 (Respiratory tract irritation) | [1] |
| Klenow DNA Polymerase Glycerol | EC: 200-289-5 CAS: 56-81-5 | >=50 - <75 | Not classified. | STOT RE 2, H373 (kidneys) (inhalation) | [1] |
| T4 DNA Ligase Glycerol | EC: 200-289-5 CAS: 56-81-5 | >=50 - <75 | Not classified. | STOT RE 2, H373 (kidneys) (inhalation) | [1] |
| T4 DNA Polymerase Glycerol | EC: 200-289-5 CAS: 56-81-5 | >=50 - <75 | Not classified. | STOT RE 2, H373 (kidneys) (inhalation) | [1] |
| T4 Polynucleotide Kinase Glycerol | EC: 200-289-5 CAS: 56-81-5 | >=50 - <75 | Not classified. | STOT RE 2, H373 (kidneys) (inhalation) | [1] |
| 10x Klenow Polymerase Buffer 2-Amino-2-(hydroxymethyl) propane-1,3-diol hydrochloride | EC: 214-684-5 CAS: 1185-53-1 | >=5 - <10 | Xi; R36/37/38 | Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 (Respiratory tract irritation) | [1] |
| Exo(-) Klenow Glycerol | EC: 200-289-5 CAS: 56-81-5 | >=50 - <75 | Not classified. | STOT RE 2, H373 (kidneys) (inhalation) | [1] |
| SureSelect RNase Block Glycerol | EC: 200-289-5 CAS: 56-81-5 | >=50 - <75 | Not classified. | STOT RE 2, H373 (kidneys) (inhalation) | [1] |
| SureSelect Hyb #1 Sodium chloride | EC: 231-598-3 CAS: 7647-14-5 | >=10 - <20 | Xi; R36 | Eye Irrit. 2, H319 | [1] |
| SureSelect Hyb #2 Disodium dihydrogen ethylenediaminetetraacetate | EC: 205-358-3 CAS: 139-33-3 | >=7 - <25 | Xn; R22 | Acute Tox. 4, H302 | [1] |
| SureSelect Hyb #4 Sulfuric acid monododecyl ester sodium salt (1:1) | CAS: 8012-56-4 | >=1 - <3 | Xn; R22 Xi; R36/37/38 R43 | Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 STOT SE 3, H335 (Respiratory tract irritation) | [1] |

SECTION 3: Composition/information on ingredients

| | | | | | |
|---|---|----------------------------|--|--|------------|
| <p>SureSelect Binding Buffer Sodium chloride</p> | <p>EC: 231-598-3 CAS: 7647-14-5</p> | <p>>=5 - <10</p> | <p>Xi; R36 See Section 16 for the full text of the R-phrases declared above.</p> | <p>Eye Irrit. 2, H319 See Section 16 for the full text of the H statements declared above.</p> | <p>[1]</p> |
|---|---|----------------------------|--|--|------------|

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.

Type

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

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

SECTION 4: First aid measures

4.1 Description of first aid measures

| | | |
|--------------------|------------------------------|---|
| Eye contact | : 10X End-Repair 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. |
| | 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. Get medical attention if irritation occurs. |
| | Klenow DNA Polymerase | 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 following exposure or if feeling unwell. |
| | T4 DNA Ligase | 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 following exposure or if feeling unwell. |
| | T4 DNA Polymerase | 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 following exposure or if feeling unwell. |
| | T4 Polynucleotide Kinase | 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 following exposure or if feeling unwell. |
| | 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. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention following exposure or if feeling unwell. |
| | dATP | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs. |
| | SureSelect LT15500 P1 | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs. |
| | SureSelect LT15500 IA | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove |

SECTION 4: First aid measures

| | |
|---|--|
| SureSelect LTI Pre Capture Primer | any contact lenses. Get medical attention if irritation occurs. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs. |
| SureSelect LT-BC1 through -BC16 | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs. |
| SureSelect RNase Block | 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 following exposure or if feeling unwell. |
| SureSelect Hyb 3 | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs. |
| SureSelect Block 2 | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs. |
| SureSelect Indexing Block #1 | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs. |
| SureSelect LT Indexing Block #3 | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs. |
| SureSelect Hyb #1 | 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. |
| SureSelect Hyb #2 | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs. |
| SureSelect Hyb #4 | 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 if irritation occurs. |
| SureSelect Binding Buffer | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs. |
| SureSelect Wash Buffer 1 | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs. |
| SureSelect Wash Buffer 2 | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs. |
| Inhalation : 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. 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. |
| Klenow DNA Polymerase | 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. |

SECTION 4: First aid measures

| | |
|-----------------------------------|--|
| T4 DNA Ligase | 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. |
| T4 DNA Polymerase | 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. |
| T4 Polynucleotide Kinase | 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. |
| 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. 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. |
| dATP | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. |
| SureSelect LTI5500 P1 | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. |
| SureSelect LTI5500 IA | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. |
| SureSelect LTI Pre Capture Primer | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. |
| SureSelect LT-BC1 | Remove victim to fresh air and keep at rest in a position |

SECTION 4: First aid measures

| | |
|---------------------------------|--|
| through -BC16 | comfortable for breathing. Get medical attention if symptoms occur. |
| SureSelect RNase Block | 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. |
| SureSelect Hyb 3 | 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. |
| SureSelect Block 2 | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. |
| SureSelect Indexing Block #1 | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. |
| SureSelect LT Indexing Block #3 | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. |
| SureSelect Hyb #1 | 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. |
| SureSelect Hyb #2 | 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. |
| SureSelect Hyb #4 | 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. |
| SureSelect Binding Buffer | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. |
| SureSelect Wash Buffer 1 | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. |
| SureSelect Wash Buffer 2 | 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

| | | | |
|---------------------|---|-----------------------------------|--|
| Skin contact | : | 10X End-Repair Buffer | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. |
| | | 5X T4 DNA Ligase Buffer | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. |
| | | Klenow DNA Polymerase | 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. |
| | | T4 DNA Ligase | 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. |
| | | T4 DNA Polymerase | 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. |
| | | T4 Polynucleotide Kinase | 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. |
| | | dNTP Mix | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. |
| | | 10x Klenow Polymerase Buffer | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. |
| | | Exo(-) Klenow | 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. |
| | | dATP | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. |
| | | SureSelect LTI5500 P1 | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. |
| | | SureSelect LTI5500 IA | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. |
| | | SureSelect LTI Pre Capture Primer | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. |
| | | SureSelect LT-BC1 through -BC16 | 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. 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 Block 2 | 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 |

SECTION 4: First aid measures

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| SureSelect LT Indexing Block #3 | symptoms occur. 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. Get medical attention if symptoms occur. |
| SureSelect Hyb #4 | Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse. |
| 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. |
| 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 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. |
| Klenow DNA Polymerase | 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 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. |
| T4 DNA Ligase | Loosen tight clothing such as a collar, tie, belt or waistband. 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 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. |

SECTION 4: First aid measures

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| T4 DNA Polymerase | 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 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. |
| T4 Polynucleotide Kinase | 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 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. |
| 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 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 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. |
| 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 LTI5500 P1 | Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur. |
| SureSelect LTI5500 IA | Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If |

SECTION 4: First aid measures

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| SureSelect LTI Pre Capture Primer | <p>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. 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.</p> |
| SureSelect LT-BC1 through -BC16 | <p>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.</p> |
| SureSelect RNase Block | <p>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 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.</p> |
| SureSelect Hyb 3 | <p>Loosen tight clothing such as a collar, tie, belt or waistband. 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.</p> |
| SureSelect Block 2 | <p>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.</p> |
| SureSelect Indexing Block #1 | <p>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.</p> |
| SureSelect LT Indexing Block #3 | <p>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.</p> |
| SureSelect Hyb #1 | <p>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</p> |

SECTION 4: First aid measures

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| | open airway. Loosen tight clothing such as a collar, tie, belt or waistband. |
| SureSelect Hyb #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 #4 | 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 airway. Loosen tight clothing such as a collar, tie, belt or waistband. |
| 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. |
| Protection of first-aiders : 10X End-Repair Buffer | No action shall be taken involving any personal risk or without suitable training. |
| 5X T4 DNA Ligase Buffer | No action shall be taken involving any personal risk or without suitable training. |
| Klenow DNA Polymerase | 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. |
| T4 DNA Ligase | 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. |
| T4 DNA Polymerase | 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. |
| T4 Polynucleotide Kinase | 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. |
| dNTP Mix | No action shall be taken involving any personal risk or without suitable training. |
| 10x Klenow Polymerase Buffer | No action shall be taken involving any personal risk or without suitable training. |
| Exo(-) Klenow | 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. |
| dATP | No action shall be taken involving any personal risk or without suitable training. |

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| SureSelect LTI5500 P1 | No action shall be taken involving any personal risk or without suitable training. |
| SureSelect LTI5500 IA | No action shall be taken involving any personal risk or without suitable training. |
| SureSelect LTI Pre Capture Primer | No action shall be taken involving any personal risk or without suitable training. |
| SureSelect LT-BC1 through -BC16 | No action shall be taken involving any personal risk or without suitable training. |
| SureSelect RNase Block | 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. |
| SureSelect Hyb 3 | No action shall be taken involving any personal risk or without suitable training. |
| SureSelect Block 2 | No action shall be taken involving any personal risk or without suitable training. |
| SureSelect Indexing Block #1 | No action shall be taken involving any personal risk or without suitable training. |
| SureSelect LT Indexing Block #3 | No action shall be taken involving any personal risk or without suitable training. |
| SureSelect Hyb #1 | 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. |
| SureSelect Hyb #2 | No action shall be taken involving any personal risk or without suitable training. |
| SureSelect Hyb #4 | 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. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. |
| SureSelect Binding Buffer | No action shall be taken involving any personal risk or without suitable training. |
| SureSelect Wash Buffer 1 | No action shall be taken involving any personal risk or without suitable training. |
| SureSelect Wash Buffer 2 | No action shall be taken involving any personal risk or without suitable training. |

4.2 Most important symptoms and effects, both acute and delayed

Potential acute health effects

| | | | |
|--------------------|---|-----------------------------------|---|
| Eye contact | : | 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 LTI5500 P1 | No known significant effects or critical hazards. |
| | | SureSelect LTI5500 IA | No known significant effects or critical hazards. |
| | | SureSelect LTI Pre Capture Primer | No known significant effects or critical hazards. |
| | | SureSelect LT-BC1 through -BC16 | No known significant effects or critical hazards. |
| | | SureSelect RNase Block | No known significant effects or critical hazards. |
| | | SureSelect Hyb 3 | No known significant effects or critical hazards. |
| | | SureSelect Block 2 | No known significant effects or critical hazards. |
| | | SureSelect Indexing Block #1 | No known significant effects or critical hazards. |
| | | SureSelect LT Indexing Block #3 | No known significant effects or critical hazards. |
| | | SureSelect Hyb #1 | Causes serious eye irritation. |
| | | SureSelect Hyb #2 | No known significant effects or critical hazards. |

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| | 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. |
| Inhalation | : 10X End-Repair Buffer | Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure. |
| | 5X T4 DNA Ligase Buffer | Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure. |
| | 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 | Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure. |
| | 10x Klenow Polymerase Buffer | Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure. |
| | Exo(-) Klenow dATP | No known significant effects or critical hazards. |
| | SureSelect LTI5500 P1 | No known significant effects or critical hazards. |
| | SureSelect LTI5500 IA | No known significant effects or critical hazards. |
| | SureSelect LTI Pre Capture Primer | No known significant effects or critical hazards. |
| | SureSelect LT-BC1 through -BC16 | No known significant effects or critical hazards. |
| | SureSelect RNase Block | No known significant effects or critical hazards. |
| | SureSelect Hyb 3 | Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure. |
| | SureSelect Block 2 | No known significant effects or critical hazards. |
| | SureSelect Indexing Block #1 | No known significant effects or critical hazards. |
| | SureSelect LT Indexing Block #3 | No known significant effects or critical hazards. |
| | SureSelect Hyb #1 | No known significant effects or critical hazards. |
| | SureSelect Hyb #2 | Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure. |
| | 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. |
| Skin contact | : 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 dATP | No known significant effects or critical hazards. |
| | SureSelect LTI5500 P1 | No known significant effects or critical hazards. |
| | SureSelect LTI5500 IA | No known significant effects or critical hazards. |
| | SureSelect LTI Pre Capture Primer | No known significant effects or critical hazards. |
| | SureSelect LT-BC1 through -BC16 | No known significant effects or critical hazards. |
| | SureSelect RNase Block | No known significant effects or critical hazards. |
| | SureSelect Hyb 3 | No known significant effects or critical hazards. |
| | SureSelect Block 2 | No known significant effects or critical hazards. |

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| | | |
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| | SureSelect Indexing Block #1 | No known significant effects or critical hazards. |
| | SureSelect LT Indexing Block #3 | 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 | May cause an allergic skin reaction. |
| | 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. |
| 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 dATP | No known significant effects or critical hazards. |
| | SureSelect LTI5500 P1 | No known significant effects or critical hazards. |
| | SureSelect LTI5500 IA | No known significant effects or critical hazards. |
| | SureSelect LTI Pre Capture Primer | No known significant effects or critical hazards. |
| | SureSelect LT-BC1 through -BC16 | No known significant effects or critical hazards. |
| | SureSelect RNase Block | No known significant effects or critical hazards. |
| | SureSelect Hyb 3 | No known significant effects or critical hazards. |
| | SureSelect Block 2 | No known significant effects or critical hazards. |
| | SureSelect Indexing Block #1 | No known significant effects or critical hazards. |
| | SureSelect LT Indexing Block #3 | No known significant effects or critical hazards. |
| | SureSelect Hyb #1 | Irritating to mouth, throat and stomach. |
| | 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. |

Over-exposure signs/symptoms

| | | |
|--------------------|-----------------------------------|-------------------|
| Eye contact | : 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. |
| | Exo(-) Klenow dATP | No specific data. |
| | SureSelect LTI5500 P1 | No specific data. |
| | SureSelect LTI5500 IA | No specific data. |
| | SureSelect LTI Pre Capture Primer | No specific data. |
| | SureSelect LT-BC1 through -BC16 | No specific data. |

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| | SureSelect RNase Block | No specific data. |
| | SureSelect Hyb 3 | No specific data. |
| | SureSelect Block 2 | No specific data. |
| | SureSelect Indexing Block #1 | No specific data. |
| | SureSelect LT Indexing Block #3 | No specific data. |
| | SureSelect Hyb #1 | Adverse symptoms may include the following: pain or irritation watering redness |
| | SureSelect Hyb #2 | No specific data. |
| | 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. |
| 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. |
| | Exo(-) Klenow dATP | No specific data. |
| | SureSelect LTI5500 P1 | No specific data. |
| | SureSelect LTI5500 IA | No specific data. |
| | SureSelect LTI Pre Capture Primer | No specific data. |
| | SureSelect LT-BC1 through -BC16 | No specific data. |
| | SureSelect RNase Block | No specific data. |
| | SureSelect Hyb 3 | No specific data. |
| | SureSelect Block 2 | No specific data. |
| | SureSelect Indexing Block #1 | No specific data. |
| | SureSelect LT Indexing Block #3 | No specific data. |
| | SureSelect Hyb #1 | No specific data. |
| | SureSelect Hyb #2 | No specific data. |
| | 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. |
| Skin contact | : 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. |
| | Exo(-) Klenow dATP | No specific data. |
| | SureSelect LTI5500 P1 | No specific data. |

SECTION 4: First aid measures

| | |
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| SureSelect LTI5500 IA | No specific data. |
| SureSelect LTI Pre | No specific data. |
| Capture Primer | |
| SureSelect LT-BC1 through -BC16 | No specific data. |
| SureSelect RNase Block | No specific data. |
| SureSelect Hyb 3 | No specific data. |
| SureSelect Block 2 | No specific data. |
| SureSelect Indexing Block #1 | No specific data. |
| SureSelect LT Indexing Block #3 | No specific data. |
| SureSelect Hyb #1 | No specific data. |
| SureSelect Hyb #2 | No specific data. |
| SureSelect Hyb #4 | Adverse symptoms may include the following: irritation redness |
| SureSelect Binding Buffer | No specific data. |
| SureSelect Wash Buffer 1 | No specific data. |
| SureSelect Wash Buffer 2 | No specific data. |
| : 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. |
| Exo(-) Klenow | No specific data. |
| dATP | No specific data. |
| SureSelect LTI5500 P1 | No specific data. |
| SureSelect LTI5500 IA | No specific data. |
| SureSelect LTI Pre | No specific data. |
| Capture Primer | |
| SureSelect LT-BC1 through -BC16 | No specific data. |
| SureSelect RNase Block | No specific data. |
| SureSelect Hyb 3 | No specific data. |
| SureSelect Block 2 | No specific data. |
| SureSelect Indexing Block #1 | No specific data. |
| SureSelect LT Indexing Block #3 | No specific data. |
| SureSelect Hyb #1 | No specific data. |
| SureSelect Hyb #2 | No specific data. |
| 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. |

Ingestion

4.3 Indication of any immediate medical attention and special treatment needed

SECTION 4: First aid measures

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| Notes to physician | : 10X End-Repair Buffer | 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 | 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 | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. |
| | T4 DNA Ligase | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. |
| | T4 DNA Polymerase | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. |
| | T4 Polynucleotide Kinase | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. |
| | dNTP Mix | 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 | 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 | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. |
| | dATP | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. |
| | SureSelect LTI5500 P1 | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. |
| | SureSelect LTI5500 IA | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. |
| | SureSelect LTI Pre Capture Primer | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. |
| | SureSelect LT-BC1 through -BC16 | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. |
| | SureSelect RNase Block | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. |
| | SureSelect Hyb 3 | 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. |
| | SureSelect Block 2 | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. |
| | SureSelect Indexing Block #1 | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. |
| | SureSelect LT Indexing Block #3 | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. |
| | SureSelect Hyb #1 | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. |
| | SureSelect Hyb #2 | 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. |
| | SureSelect Hyb #4 | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. |
| | SureSelect Binding Buffer | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. |
| | SureSelect Wash Buffer 1 | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. |
| | SureSelect Wash Buffer 2 | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. |
| Specific treatments | : 10X End-Repair Buffer | No specific treatment. |
| | 5X T4 DNA Ligase Buffer | No specific treatment. |
| | Klenow DNA Polymerase | 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. |

SECTION 4: First aid measures

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|---------------------------------|------------------------|
| Exo(-) Klenow | No specific treatment. |
| dATP | No specific treatment. |
| SureSelect LTI5500 P1 | No specific treatment. |
| SureSelect LTI5500 IA | No specific treatment. |
| SureSelect LTI Pre | No specific treatment. |
| Capture Primer | |
| SureSelect LT-BC1 through -BC16 | No specific treatment. |
| SureSelect RNase Block | No specific treatment. |
| SureSelect Hyb 3 | No specific treatment. |
| SureSelect Block 2 | No specific treatment. |
| SureSelect Indexing Block #1 | No specific treatment. |
| SureSelect LT Indexing Block #3 | 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. |

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

| | |
|---------------------------------|---|
| : 10X End-Repair Buffer | Use an extinguishing agent suitable for the surrounding fire. |
| 5X T4 DNA Ligase Buffer | Use an extinguishing agent suitable for the surrounding fire. |
| Klenow DNA Polymerase | Use an extinguishing agent suitable for the surrounding fire. |
| T4 DNA Ligase | Use an extinguishing agent suitable for the surrounding fire. |
| T4 DNA Polymerase | Use an extinguishing agent suitable for the surrounding fire. |
| T4 Polynucleotide Kinase | Use an extinguishing agent suitable for the surrounding fire. |
| dNTP Mix | Use an extinguishing agent suitable for the surrounding fire. |
| 10x Klenow Polymerase Buffer | Use an extinguishing agent suitable for the surrounding fire. |
| Exo(-) Klenow | Use an extinguishing agent suitable for the surrounding fire. |
| dATP | Use an extinguishing agent suitable for the surrounding fire. |
| SureSelect LTI5500 P1 | Use an extinguishing agent suitable for the surrounding fire. |
| SureSelect LTI5500 IA | Use an extinguishing agent suitable for the surrounding fire. |
| SureSelect LTI Pre | Use an extinguishing agent suitable for the surrounding fire. |
| Capture Primer | |
| SureSelect LT-BC1 through -BC16 | Use an extinguishing agent suitable for the surrounding fire. |
| SureSelect RNase Block | Use an extinguishing agent suitable for the surrounding fire. |
| SureSelect Hyb 3 | Use an extinguishing agent suitable for the surrounding fire. |
| SureSelect Block 2 | Use an extinguishing agent suitable for the surrounding fire. |
| SureSelect Indexing Block #1 | Use an extinguishing agent suitable for the surrounding fire. |
| SureSelect LT Indexing Block #3 | Use an extinguishing agent suitable for the surrounding fire. |
| SureSelect Hyb #1 | Use an extinguishing agent suitable for the surrounding fire. |
| SureSelect Hyb #2 | Use an extinguishing agent suitable for the surrounding fire. |
| SureSelect Hyb #4 | Use an extinguishing agent suitable for the surrounding fire. |
| SureSelect Binding Buffer | Use an extinguishing agent suitable for the surrounding fire. |
| SureSelect Wash Buffer 1 | Use an extinguishing agent suitable for the surrounding fire. |
| SureSelect Wash Buffer 2 | Use an extinguishing agent suitable for the surrounding fire. |

SECTION 5: Firefighting measures

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| Unsuitable extinguishing media | : 10X End-Repair Buffer | None known. |
| | 5X T4 DNA Ligase Buffer | None known. |
| | Klenow DNA Polymerase | None known. |
| | T4 DNA Ligase | None known. |
| | T4 DNA Polymerase | None known. |
| | T4 Polynucleotide Kinase | None known. |
| | dNTP Mix | None known. |
| | 10x Klenow Polymerase Buffer | None known. |
| | Exo(-) Klenow | None known. |
| | dATP | None known. |
| | SureSelect LTI5500 P1 | None known. |
| | SureSelect LTI5500 IA | None known. |
| | SureSelect LTI Pre Capture Primer | None known. |
| | SureSelect LT-BC1 through -BC16 | None known. |
| | SureSelect RNase Block | None known. |
| | SureSelect Hyb 3 | None known. |
| | SureSelect Block 2 | None known. |
| | SureSelect Indexing Block #1 | None known. |
| | SureSelect LT Indexing Block #3 | None known. |
| | SureSelect Hyb #1 | None known. |
| | SureSelect Hyb #2 | None known. |
| | SureSelect Hyb #4 | None known. |
| | SureSelect Binding Buffer | None known. |
| | SureSelect Wash Buffer 1 | None known. |
| | SureSelect Wash Buffer 2 | None known. |

5.2 Special hazards arising from the substance or mixture

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| Hazards from the substance or mixture | : 10X End-Repair Buffer | In a fire or if heated, a pressure increase will occur and the container may burst. |
| | 5X T4 DNA Ligase Buffer | In a fire or if heated, a pressure increase will occur and the container may burst. |
| | Klenow DNA Polymerase | In a fire or if heated, a pressure increase will occur and the container may burst. |
| | T4 DNA Ligase | In a fire or if heated, a pressure increase will occur and the container may burst. |
| | T4 DNA Polymerase | In a fire or if heated, a pressure increase will occur and the container may burst. |
| | T4 Polynucleotide Kinase | In a fire or if heated, a pressure increase will occur and the container may burst. |
| | dNTP Mix | In a fire or if heated, a pressure increase will occur and the container may burst. |
| | 10x Klenow Polymerase Buffer | In a fire or if heated, a pressure increase will occur and the container may burst. |
| | Exo(-) Klenow | In a fire or if heated, a pressure increase will occur and the container may burst. |
| | dATP | In a fire or if heated, a pressure increase will occur and the container may burst. |
| | SureSelect LTI5500 P1 | In a fire or if heated, a pressure increase will occur and the container may burst. |
| | SureSelect LTI5500 IA | In a fire or if heated, a pressure increase will occur and the container may burst. |
| | SureSelect LTI Pre Capture Primer | In a fire or if heated, a pressure increase will occur and the container may burst. |
| | SureSelect LT-BC1 through -BC16 | In a fire or if heated, a pressure increase will occur and the container may burst. |
| | SureSelect RNase Block | In a fire or if heated, a pressure increase will occur and the container may burst. |

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| SureSelect Hyb 3 | In a fire or if heated, a pressure increase will occur and the container may burst. |
| SureSelect Block 2 | In a fire or if heated, a pressure increase will occur and the container may burst. |
| SureSelect Indexing Block #1 | In a fire or if heated, a pressure increase will occur and the container may burst. |
| SureSelect LT Indexing Block #3 | In a fire or if heated, a pressure increase will occur and the container may burst. |
| SureSelect Hyb #1 | In a fire or if heated, a pressure increase will occur and the container may burst. |
| SureSelect Hyb #2 | In a fire or if heated, a pressure increase will occur and the container may burst. |
| SureSelect Hyb #4 | In a fire or if heated, a pressure increase will occur and the container may burst. |
| SureSelect Binding Buffer | In a fire or if heated, a pressure increase will occur and the container may burst. |
| SureSelect Wash Buffer 1 | In a fire or if heated, a pressure increase will occur and the container may burst. |
| SureSelect Wash Buffer 2 | In a fire or if heated, a pressure increase will occur and the container may burst. |
| Hazardous combustion products : 10X End-Repair 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 carbon monoxide nitrogen oxides phosphorus oxides |
| 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 LT15500 P1 | No specific data. |
| SureSelect LT15500 IA | No specific data. |
| SureSelect LTI Pre Capture Primer | No specific data. |
| SureSelect LT-BC1 | No specific data. |

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| through -BC16 | |
| SureSelect RNase Block | Decomposition products may include the following materials: carbon dioxide carbon monoxide |
| SureSelect Hyb 3 | Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides halogenated compounds |
| SureSelect Block 2 | No specific data. |
| SureSelect Indexing Block #1 | No specific data. |
| SureSelect LT Indexing Block #3 | 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. |

5.3 Advice for firefighters

Special precautions for fire-fighters

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| : 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. |

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| SureSelect LTI5500 P1 | vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. |
| SureSelect LTI5500 IA | vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. |
| SureSelect LTI Pre Capture Primer | vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. 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 LT-BC1 through -BC16 | vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. 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 RNase Block | vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. 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 Hyb 3 | vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. 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 Block 2 | vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. 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 Indexing Block #1 | vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. 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 LT Indexing Block #3 | vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. 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 Hyb #1 | vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. 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 Hyb #2 | vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. 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 Hyb #4 | vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. 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 Binding Buffer | vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. 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 Wash Buffer 1 | vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. 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 Wash Buffer 2 | vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. 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 End-Repair Buffer | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents. |
| 5X T4 DNA Ligase Buffer | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents. |
| Klenow DNA Polymerase | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents. |

Special protective equipment for fire-fighters

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| T4 DNA Ligase | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents. |
| T4 DNA Polymerase | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents. |
| T4 Polynucleotide Kinase | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents. |
| dNTP Mix | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents. |
| 10x Klenow Polymerase Buffer | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents. |
| Exo(-) Klenow | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents. |
| dATP | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents. |
| SureSelect LTI5500 P1 | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents. |
| SureSelect LTI5500 IA | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents. |
| SureSelect LTI Pre Capture Primer | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents. |
| SureSelect LT-BC1 through -BC16 | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents. |

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| SureSelect RNase Block | <p>basic level of protection for chemical incidents.</p> <p>Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.</p> |
| SureSelect Hyb 3 | <p>Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.</p> |
| SureSelect Block 2 | <p>Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.</p> |
| SureSelect Indexing Block #1 | <p>Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.</p> |
| SureSelect LT Indexing Block #3 | <p>Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.</p> |
| SureSelect Hyb #1 | <p>Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.</p> |
| SureSelect Hyb #2 | <p>Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.</p> |
| SureSelect Hyb #4 | <p>Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.</p> |
| SureSelect Binding Buffer | <p>Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.</p> |
| SureSelect Wash Buffer 1 | <p>Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.</p> |
| SureSelect Wash Buffer 2 | <p>Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.</p> |

SECTION 5: Firefighting measures

conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

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| For non-emergency personnel | : 10X End-Repair Buffer | No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment. |
| | 5X T4 DNA Ligase Buffer | No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment. |
| | Klenow DNA Polymerase | 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. |
| | T4 DNA Ligase | 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. |
| | T4 DNA Polymerase | 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. |
| | T4 Polynucleotide Kinase | 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. |
| | dNTP Mix | 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. |
| | 10x Klenow Polymerase Buffer | No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment. |
| | Exo(-) Klenow | 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. |
| | dATP | 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 |

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| SureSelect LTI5500 P1 | appropriate personal protective equipment. No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment. |
| SureSelect LTI5500 IA | No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment. |
| SureSelect LTI Pre Capture Primer | No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment. |
| SureSelect LT-BC1 through -BC16 | No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment. |
| SureSelect RNase Block | 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. |
| SureSelect Hyb 3 | No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment. |
| SureSelect Block 2 | No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment. |
| SureSelect Indexing Block #1 | No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment. |
| SureSelect LT Indexing Block #3 | No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment. |
| SureSelect Hyb #1 | No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment. |
| SureSelect Hyb #2 | No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment. |
| SureSelect Hyb #4 | 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 |

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For emergency responders

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| SureSelect Binding Buffer | appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment. No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment. |
| SureSelect Wash Buffer 1 | No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment. |
| SureSelect Wash Buffer 2 | No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment. |
| : 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 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". |
| 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 LTI5500 P1 | If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel". |
| SureSelect LTI5500 IA | If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel". |

SECTION 6: Accidental release measures

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| SureSelect LTI Pre Capture Primer | If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel". |
| SureSelect LT-BC1 through -BC16 | 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 RNase Block | 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 3 | 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 Block 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 Indexing Block #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 LT Indexing Block #3 | 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". |

6.2 Environmental precautions

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| : 10X End-Repair Buffer | Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |
| 5X T4 DNA Ligase Buffer | Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |
| Klenow DNA Polymerase | 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). |

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| T4 DNA Ligase | 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). |
| T4 DNA Polymerase | 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). |
| T4 Polynucleotide Kinase | 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). |
| dNTP Mix | 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). |
| 10x Klenow Polymerase Buffer | Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |
| Exo(-) Klenow | 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). |
| dATP | Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |
| SureSelect LTI5500 P1 | Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |
| SureSelect LTI5500 IA | Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |
| SureSelect LTI Pre Capture Primer | Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |
| SureSelect LT-BC1 through -BC16 | Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |
| SureSelect RNase Block | Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |
| SureSelect Hyb 3 | Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |
| SureSelect Block 2 | Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |
| SureSelect Indexing Block #1 | Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |
| SureSelect LT Indexing Block #3 | Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |
| SureSelect Hyb #1 | Avoid dispersal of spilt material and runoff and contact with |

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| | soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |
| SureSelect Hyb #2 | Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |
| SureSelect Hyb #4 | Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |
| SureSelect Binding Buffer | Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |
| SureSelect Wash Buffer 1 | Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |
| SureSelect Wash Buffer 2 | Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |

6.3 Methods and material for containment and cleaning up

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| Methods for cleaning up | : 10X End-Repair 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. |
| | 5X T4 DNA Ligase 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. |
| | Klenow DNA Polymerase | 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. |
| | T4 DNA Ligase | 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. |
| | T4 DNA Polymerase | 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. |
| | 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. |

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| 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 LTI5500 P1 | Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor. |
| SureSelect LTI5500 IA | Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor. |
| SureSelect LTI Pre Capture Primer | Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor. |
| SureSelect LT-BC1 through -BC16 | 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 RNase Block | 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 Hyb 3 | 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 Block 2 | Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor. |
| SureSelect Indexing Block #1 | Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor. |
| SureSelect LT Indexing Block #3 | 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 Hyb #1 | Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor. |
| SureSelect Hyb #2 | Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor. |

SECTION 6: Accidental release measures

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| SureSelect Hyb #4 | 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 Binding Buffer | Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor. |
| SureSelect Wash Buffer 1 | Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor. |
| SureSelect Wash Buffer 2 | Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor. |

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

SECTION 7: Handling and storage

7.1 Precautions for safe handling

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| Protective measures | 10X End-Repair Buffer | Put on appropriate personal protective equipment (see Section 8). |
| | 5X T4 DNA Ligase Buffer | Put on appropriate personal protective equipment (see Section 8). |
| | Klenow DNA Polymerase | 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. |
| | T4 DNA Ligase | 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. |
| | T4 DNA Polymerase | 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. |
| | T4 Polynucleotide Kinase | 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. |
| | dNTP Mix | Put on appropriate personal protective equipment (see Section 8). |
| | 10x Klenow Polymerase Buffer | Put on appropriate personal protective equipment (see Section 8). |
| | Exo(-) Klenow | Put on appropriate personal protective equipment (see Section 8). |

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| | 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. |
| dATP | Put on appropriate personal protective equipment (see Section 8). |
| SureSelect LTI5500 P1 | Put on appropriate personal protective equipment (see Section 8). |
| SureSelect LTI5500 IA | Put on appropriate personal protective equipment (see Section 8). |
| SureSelect LTI Pre Capture Primer | Put on appropriate personal protective equipment (see Section 8). |
| SureSelect LT-BC1 through -BC16 | Put on appropriate personal protective equipment (see Section 8). |
| SureSelect RNase Block | 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. |
| SureSelect Hyb 3 | Put on appropriate personal protective equipment (see Section 8). |
| SureSelect Block 2 | Put on appropriate personal protective equipment (see Section 8). |
| SureSelect Indexing Block #1 | Put on appropriate personal protective equipment (see Section 8). |
| SureSelect LT Indexing Block #3 | Put on appropriate personal protective equipment (see Section 8). |
| SureSelect Hyb #1 | 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. |
| SureSelect Hyb #2 | Put on appropriate personal protective equipment (see Section 8). |
| SureSelect Hyb #4 | Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not ingest. 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. |
| SureSelect Binding Buffer | Put on appropriate personal protective equipment (see Section 8). |
| SureSelect Wash Buffer 1 | Put on appropriate personal protective equipment (see Section 8). |
| SureSelect Wash Buffer 2 | Put on appropriate personal protective equipment (see Section 8). |
| : 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 |

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SECTION 7: Handling and storage

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| | 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. |
| T4 Polynucleotide Kinase | 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. |
| dNTP Mix | 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. |
| 10x Klenow Polymerase 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. |
| Exo(-) Klenow | 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. |
| dATP | Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. |
| SureSelect LTI5500 P1 | Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. |
| SureSelect LTI5500 IA | Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. |
| SureSelect LTI Pre Capture Primer | Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, |

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| SureSelect LT-BC1 through -BC16 | drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. 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 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 Block 2 | Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. |
| 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 LT Indexing 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. |
| SureSelect Hyb #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 Hyb #2 | Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. |
| SureSelect Hyb #4 | 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 Binding Buffer | Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. |
| SureSelect Wash Buffer 1 | Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. |

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| | SureSelect Wash Buffer 2 | 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. 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. |
| <p>7.2 Conditions for safe storage, including any incompatibilities</p> | <p>: 10X End-Repair Buffer</p> <p>5X T4 DNA Ligase Buffer</p> <p>Klenow DNA Polymerase</p> <p>T4 DNA Ligase</p> <p>T4 DNA Polymerase</p> <p>T4 Polynucleotide Kinase</p> | <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> |

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| dNTP 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. |
| 10x Klenow Polymerase 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. |
| Exo(-) Klenow | 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. |
| 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. |
| SureSelect LTI5500 P1 | Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. |
| SureSelect LTI5500 IA | Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. |
| SureSelect LTI Pre Capture Primer | Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. |
| SureSelect LT-BC1 through -BC16 | Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and |

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| | well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. |
| SureSelect 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. |
| 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. |
| 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. |
| 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. |
| SureSelect LT Indexing 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. |
| 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. |
| 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 |

SECTION 7: Handling and storage

| | |
|---------------------------|---|
| | closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. |
| SureSelect 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. |
| 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. |
| SureSelect Wash Buffer 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. |
| SureSelect Wash Buffer 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. |

7.3 Specific end use(s)

Recommendations

| | |
|-----------------------------------|---|
| : 10X End-Repair Buffer | Industrial applications, Professional applications. |
| 5X T4 DNA Ligase Buffer | Industrial applications, Professional applications. |
| Klenow DNA Polymerase | Industrial applications, Professional applications. |
| T4 DNA Ligase | Industrial applications, Professional applications. |
| T4 DNA Polymerase | Industrial applications, Professional applications. |
| T4 Polynucleotide Kinase | Industrial applications, Professional applications. |
| dNTP Mix | Industrial applications, Professional applications. |
| 10x Klenow Polymerase Buffer | Industrial applications, Professional applications. |
| Exo(-) Klenow dATP | Industrial applications, Professional applications. |
| SureSelect LTI5500 P1 | Industrial applications, Professional applications. |
| SureSelect LTI5500 IA | Industrial applications, Professional applications. |
| SureSelect LTI Pre Capture Primer | Industrial applications, Professional applications. |
| SureSelect LT-BC1 through -BC16 | Industrial applications, Professional applications. |
| SureSelect RNase Block | Industrial applications, Professional applications. |
| SureSelect Hyb 3 | Industrial applications, Professional applications. |
| SureSelect Block 2 | Industrial applications, Professional applications. |
| SureSelect Indexing Block #1 | Industrial applications, Professional applications. |

SECTION 7: Handling and storage

| | |
|---------------------------------|---|
| SureSelect LT Indexing Block #3 | Industrial applications, Professional applications. |
| SureSelect Hyb #1 | Industrial applications, Professional applications. |
| SureSelect Hyb #2 | Industrial applications, Professional applications. |
| SureSelect Hyb #4 | Industrial applications, Professional applications. |
| SureSelect Binding Buffer | Industrial applications, Professional applications. |
| SureSelect Wash Buffer 1 | Industrial applications, Professional applications. |
| SureSelect Wash Buffer 2 | Industrial applications, Professional applications. |

Industrial sector specific solutions : Not applicable.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

No exposure limit value known.

Recommended monitoring procedures

: If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

Derived effect levels

No DNELs available.

Predicted effect concentrations

No PNECs available.

8.2 Exposure controls

Appropriate engineering controls

: If user operations generate dust, fumes, gas, vapour or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Individual protection measures

Hygiene measures

: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection

: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

Skin protection

Hand protection

: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. 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.

SECTION 8: Exposure controls/personal protection

- Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** : Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
- Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

- Physical state**
- | | |
|-----------------------------------|---------|
| 10X End-Repair Buffer | Liquid. |
| 5X T4 DNA Ligase Buffer | Liquid. |
| Klenow DNA Polymerase | Liquid. |
| T4 DNA Ligase | Liquid. |
| T4 DNA Polymerase | Liquid. |
| T4 Polynucleotide Kinase | Liquid. |
| dNTP Mix | Liquid. |
| 10x Klenow Polymerase Buffer | Liquid. |
| Exo(-) Klenow | Liquid. |
| dATP | Liquid. |
| SureSelect LT15500 P1 | Liquid. |
| SureSelect LT15500 IA | Liquid. |
| SureSelect LTI Pre Capture Primer | Liquid. |
| SureSelect LT-BC1 through -BC16 | Liquid. |
| SureSelect RNase Block | Liquid. |
| SureSelect Hyb 3 | Liquid. |
| SureSelect Block 2 | Liquid. |
| SureSelect Indexing Block #1 | Liquid. |
| SureSelect LT Indexing Block #3 | 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. |
- Colour**
- | | |
|-------------------------|----------------|
| 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 | Not available. |

SECTION 9: Physical and chemical properties

| | |
|---------------------------------|----------------|
| Kinase | |
| dNTP Mix | Not available. |
| 10x Klenow | Not available. |
| Polymerase Buffer | |
| Exo(-) Klenow | Not available. |
| dATP | Not available. |
| SureSelect LTI5500 P1 | Not available. |
| SureSelect LTI5500 IA | Not available. |
| SureSelect LTI Pre | Not available. |
| Capture Primer | |
| SureSelect LT-BC1 through -BC16 | Not available. |
| SureSelect RNase Block | Not available. |
| SureSelect Hyb 3 | Not available. |
| SureSelect Block 2 | Colourless. |
| SureSelect Indexing Block #1 | Not available. |
| SureSelect LT Indexing Block #3 | 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. |
| SureSelect Wash Buffer 2 | Not available. |
| 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 | |
| dNTP Mix | Not available. |
| 10x Klenow | Not available. |
| Polymerase Buffer | |
| Exo(-) Klenow | Not available. |
| dATP | Not available. |
| SureSelect LTI5500 P1 | Not available. |
| SureSelect LTI5500 IA | Not available. |
| SureSelect LTI Pre | Not available. |
| Capture Primer | |
| SureSelect LT-BC1 through -BC16 | Not available. |
| SureSelect RNase Block | Not available. |
| SureSelect Hyb 3 | Not available. |
| SureSelect Block 2 | Odourless. |
| SureSelect Indexing Block #1 | Not available. |
| SureSelect LT Indexing Block #3 | 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. |
| SureSelect Wash Buffer 2 | Not available. |

Odour

| | | |
|---|---------------------------------|----------------|
| : | 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 | |
| : | dNTP Mix | Not available. |
| : | 10x Klenow | Not available. |
| : | Polymerase Buffer | |
| : | Exo(-) Klenow | Not available. |
| : | dATP | Not available. |
| : | SureSelect LTI5500 P1 | Not available. |
| : | SureSelect LTI5500 IA | Not available. |
| : | SureSelect LTI Pre | Not available. |
| : | Capture Primer | |
| : | SureSelect LT-BC1 through -BC16 | Not available. |
| : | SureSelect RNase Block | Not available. |
| : | SureSelect Hyb 3 | Not available. |
| : | SureSelect Block 2 | Odourless. |
| : | SureSelect Indexing Block #1 | Not available. |
| : | SureSelect LT Indexing Block #3 | 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. |
| : | SureSelect Wash Buffer 2 | Not available. |

SECTION 9: Physical and chemical properties

| | | |
|------------------------|-------------------------|----------------|
| | Buffer 2 | |
| Odour threshold | : 10X End-Repair Buffer | Not available. |
| | 5X T4 DNA Ligase | Not available. |
| | Buffer | |
| | Klenow DNA | Not available. |
| | Polymerase | |
| | T4 DNA Ligase | Not available. |
| | T4 DNA Polymerase | Not available. |
| | T4 Polynucleotide | Not available. |
| | Kinase | |
| | dNTP Mix | Not available. |
| | 10x Klenow | Not available. |
| | Polymerase Buffer | |
| | Exo(-) Klenow | Not available. |
| | dATP | Not available. |
| | SureSelect LTI5500 P1 | Not available. |
| | SureSelect LTI5500 IA | Not available. |
| | SureSelect LTI Pre | Not available. |
| | Capture Primer | |
| | SureSelect LT-BC1 | Not available. |
| | through -BC16 | |
| | SureSelect RNase | Not available. |
| | Block | |
| | SureSelect Hyb 3 | Not available. |
| | SureSelect Block 2 | Not available. |
| | SureSelect Indexing | Not available. |
| | Block #1 | |
| | SureSelect LT Indexing | Not available. |
| | Block #3 | |
| | SureSelect Hyb #1 | Not available. |
| | SureSelect Hyb #2 | Not available. |
| | SureSelect Hyb #4 | Not available. |
| | SureSelect Binding | Not available. |
| | Buffer | |
| | SureSelect Wash | Not available. |
| | Buffer 1 | |
| | SureSelect Wash | Not available. |
| | Buffer 2 | |
| pH | : 10X End-Repair Buffer | 7.5 |
| | 5X T4 DNA Ligase | 7.5 |
| | Buffer | |
| | Klenow DNA | 7 |
| | Polymerase | |
| | T4 DNA Ligase | 7.4 |
| | T4 DNA Polymerase | 6.5 |
| | T4 Polynucleotide | 7.4 |
| | Kinase | |
| | dNTP Mix | 7.5 |
| | 10x Klenow | 7.5 |
| | Polymerase Buffer | |
| | Exo(-) Klenow | 7 |
| | dATP | Not available. |
| | SureSelect LTI5500 P1 | Not available. |
| | SureSelect LTI5500 IA | Not available. |
| | SureSelect LTI Pre | Not available. |
| | Capture Primer | |
| | SureSelect LT-BC1 | Not available. |
| | through -BC16 | |
| | SureSelect RNase | Not available. |
| | Block | |
| | SureSelect Hyb 3 | 7 to 8 |
| | SureSelect Block 2 | Not available. |
| | SureSelect Indexing | Not available. |
| | Block #1 | |
| | SureSelect LT Indexing | Not available. |

SECTION 9: Physical and chemical properties

| | | |
|--|-----------------------------------|----------------|
| | Block #3 | |
| | SureSelect Hyb #1 | 7.4 |
| | SureSelect Hyb #2 | 8 |
| | SureSelect Hyb #4 | 5.2 to 6.2 |
| | SureSelect Binding Buffer | 7.1 to 8.1 |
| | SureSelect Wash Buffer 1 | 6.5 to 7.5 |
| | SureSelect Wash Buffer 2 | 6.8 to 7.8 |
| Melting point/freezing point | : 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 | 0°C |
| | 10x Klenow Polymerase Buffer | Not available. |
| | Exo(-) Klenow | Not available. |
| | dATP | 0°C |
| | SureSelect LTI5500 P1 | 0°C |
| | SureSelect LTI5500 IA | 0°C |
| | SureSelect LTI Pre Capture Primer | 0°C |
| | SureSelect LT-BC1 through -BC16 | 0°C |
| | SureSelect RNase Block | Not available. |
| | SureSelect Hyb 3 | 0°C |
| | SureSelect Block 2 | 0°C |
| | SureSelect Indexing Block #1 | 0°C |
| | SureSelect LT Indexing Block #3 | 0°C |
| | SureSelect Hyb #1 | Not available. |
| | SureSelect Hyb #2 | Not available. |
| | SureSelect Hyb #4 | 0°C |
| | SureSelect Binding Buffer | Not available. |
| | SureSelect Wash Buffer 1 | 0°C |
| | SureSelect Wash Buffer 2 | 0°C |
| Initial boiling point and boiling range | : 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 | 100°C |
| | 10x Klenow Polymerase Buffer | Not available. |
| | Exo(-) Klenow | Not available. |
| | dATP | 100°C |
| | SureSelect LTI5500 P1 | 100°C |
| | SureSelect LTI5500 IA | 100°C |
| | SureSelect LTI Pre Capture Primer | 100°C |

SECTION 9: Physical and chemical properties

| | |
|-----------------------------------|----------------|
| SureSelect LT-BC1 through -BC16 | 100°C |
| SureSelect RNase Block | Not available. |
| SureSelect Hyb 3 | 100°C |
| SureSelect Block 2 | 100°C |
| SureSelect Indexing Block #1 | 100°C |
| SureSelect LT Indexing Block #3 | 100°C |
| SureSelect Hyb #1 | Not available. |
| SureSelect Hyb #2 | Not available. |
| SureSelect Hyb #4 | 100°C |
| SureSelect Binding Buffer | Not available. |
| SureSelect Wash Buffer 1 | 100°C |
| SureSelect Wash Buffer 2 | 100°C |
| 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 LTI5500 P1 | Not available. |
| SureSelect LTI5500 IA | Not available. |
| SureSelect LTI Pre Capture Primer | Not available. |
| SureSelect LT-BC1 through -BC16 | Not available. |
| SureSelect RNase Block | Not available. |
| SureSelect Hyb 3 | Not available. |
| SureSelect Block 2 | Not available. |
| SureSelect Indexing Block #1 | Not available. |
| SureSelect LT Indexing Block #3 | 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. |
| SureSelect Wash Buffer 2 | Not available. |
| 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. |

Flash point

Evaporation rate

SECTION 9: Physical and chemical properties

| | |
|------------------------------------|----------------|
| dNTP Mix | Not available. |
| 10x Klenow | Not available. |
| Polymerase Buffer | |
| Exo(-) Klenow | Not available. |
| dATP | Not available. |
| SureSelect LTI5500 P1 | Not available. |
| SureSelect LTI5500 IA | Not available. |
| SureSelect LTI Pre | Not available. |
| Capture Primer | |
| SureSelect LT-BC1 through -BC16 | Not available. |
| SureSelect RNase Block | Not available. |
| SureSelect Hyb 3 | Not available. |
| SureSelect Block 2 | Not available. |
| SureSelect Indexing Block #1 | Not available. |
| SureSelect LT Indexing Block #3 | 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. |
| SureSelect Wash Buffer 2 | Not available. |

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 | Not applicable. |
| Polymerase Buffer | |
| Exo(-) Klenow | Not applicable. |
| dATP | Not applicable. |
| SureSelect LTI5500 P1 | Not applicable. |
| SureSelect LTI5500 IA | Not applicable. |
| SureSelect LTI Pre | Not applicable. |
| Capture Primer | |
| SureSelect LT-BC1 through -BC16 | Not applicable. |
| SureSelect RNase Block | Not applicable. |
| SureSelect Hyb 3 | Not applicable. |
| SureSelect Block 2 | Not applicable. |
| SureSelect Indexing Block #1 | Not applicable. |
| SureSelect LT Indexing Block #3 | 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. |

SECTION 9: Physical and chemical properties

| | | | | |
|---|------------------------|-----------------------------------|------------------------------|----------------|
| Upper/lower flammability or explosive 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. | |
| | | dNTP Mix | Not available. | |
| | | 10x Klenow Polymerase Buffer | Not available. | |
| | | Exo(-) Klenow | Not available. | |
| | | dATP | Not available. | |
| | | SureSelect LTI5500 P1 | Not available. | |
| | | SureSelect LTI5500 IA | Not available. | |
| | | SureSelect LTI Pre Capture Primer | Not available. | |
| | | SureSelect LT-BC1 through -BC16 | Not available. | |
| | | SureSelect RNase Block | Not available. | |
| | | SureSelect Hyb 3 | Not available. | |
| | | SureSelect Block 2 | Not available. | |
| | | SureSelect Indexing Block #1 | Not available. | |
| | | SureSelect LT Indexing Block #3 | 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. | |
| | | SureSelect Wash Buffer 2 | Not available. | |
| | Vapour pressure | : | 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 LTI5500 P1 | Not available. | |
| | | SureSelect LTI5500 IA | Not available. | |
| | | SureSelect LTI Pre Capture Primer | Not available. | |
| | | SureSelect LT-BC1 through -BC16 | Not available. | |
| | | SureSelect RNase Block | Not available. | |
| | | SureSelect Hyb 3 | Not available. | |
| | | SureSelect Block 2 | Not available. | |
| | | SureSelect Indexing Block #1 | Not available. | |
| | | SureSelect LT Indexing Block #3 | Not available. | |

SECTION 9: Physical and chemical properties

| | | |
|-------------------------|-----------------------------------|----------------|
| | 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. |
| | SureSelect Wash Buffer 2 | Not available. |
| Vapour density | : 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 LTI5500 P1 | Not available. |
| | SureSelect LTI5500 IA | Not available. |
| | SureSelect LTI Pre Capture Primer | Not available. |
| | SureSelect LT-BC1 through -BC16 | Not available. |
| | SureSelect RNase Block | Not available. |
| | SureSelect Hyb 3 | Not available. |
| | SureSelect Block 2 | Not available. |
| | SureSelect Indexing Block #1 | Not available. |
| | SureSelect LT Indexing Block #3 | 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. |
| | SureSelect Wash Buffer 2 | Not available. |
| Relative density | : 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 LTI5500 P1 | Not available. |
| | SureSelect LTI5500 IA | Not available. |
| | SureSelect LTI Pre Capture Primer | Not available. |
| | SureSelect LT-BC1 | Not available. |

SECTION 9: Physical and chemical properties

through -BC16
 SureSelect RNase Block Not available.
 SureSelect Hyb 3 Not available.
 SureSelect Block 2 Not available.
 SureSelect Indexing Block #1 Not available.
 SureSelect LT Indexing Block #3 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.
 SureSelect Wash Buffer 2 Not available.

Solubility(ies)

: 10X End-Repair Buffer Easily soluble in the following materials: cold water and hot water.
 5X T4 DNA Ligase Buffer Soluble in the following materials: cold water and hot water.
 Klenow DNA Polymerase Soluble in the following materials: cold water and hot water.
 T4 DNA Ligase Soluble in the following materials: cold water and hot water.
 T4 DNA Polymerase Soluble in the following materials: cold water and hot water.
 T4 Polynucleotide Kinase Soluble in the following materials: cold water and hot water.
 dNTP Mix Easily soluble in the following materials: cold water and hot water.
 10x Klenow Polymerase Buffer Easily soluble in the following materials: cold water and hot water.
 Exo(-) Klenow Soluble in the following materials: cold water and hot water.
 dATP Easily soluble in the following materials: cold water and hot water.
 SureSelect LTI5500 P1 Easily soluble in the following materials: cold water and hot water.
 SureSelect LTI5500 IA Easily soluble in the following materials: cold water and hot water.
 SureSelect LTI Pre Capture Primer Easily soluble in the following materials: cold water and hot water.
 SureSelect LT-BC1 through -BC16 Easily soluble in the following materials: cold water and hot water.
 SureSelect RNase Block Soluble in the following materials: cold water and hot water.
 SureSelect Hyb 3 Easily soluble in the following materials: cold water and hot water.
 SureSelect Block 2 Easily soluble in the following materials: cold water and hot water.
 SureSelect Indexing Block #1 Easily soluble in the following materials: cold water and hot water.
 SureSelect LT Indexing Block #3 Easily soluble in the following materials: cold water and hot water.
 SureSelect Hyb #1 Soluble in the following materials: cold water and hot water.
 SureSelect Hyb #2 Easily soluble in the following materials: cold water and hot water.
 SureSelect Hyb #4 Easily soluble in the following materials: cold water and hot water.
 SureSelect Binding Buffer Easily soluble in the following materials: cold water and hot water.
 SureSelect Wash Easily soluble in the following materials: cold water and hot water.

SECTION 9: Physical and chemical properties

| | | |
|---|-------------------------|---|
| | Buffer 1 | hot water. |
| | SureSelect Wash | Easily soluble in the following materials: cold water and |
| | Buffer 2 | hot water. |
| Partition coefficient: n-octanol/water | : 10X End-Repair Buffer | Not available. |
| | 5X T4 DNA Ligase | Not available. |
| | Buffer | |
| | Klenow DNA | Not available. |
| | Polymerase | |
| | T4 DNA Ligase | Not available. |
| | T4 DNA Polymerase | Not available. |
| | T4 Polynucleotide | Not available. |
| | Kinase | |
| | dNTP Mix | Not available. |
| | 10x Klenow | Not available. |
| | Polymerase Buffer | |
| | Exo(-) Klenow | Not available. |
| | dATP | Not available. |
| | SureSelect LTI5500 P1 | Not available. |
| | SureSelect LTI5500 IA | Not available. |
| | SureSelect LTI Pre | Not available. |
| | Capture Primer | |
| | SureSelect LT-BC1 | Not available. |
| | through -BC16 | |
| | SureSelect RNase | Not available. |
| | Block | |
| | SureSelect Hyb 3 | Not available. |
| | SureSelect Block 2 | Not available. |
| | SureSelect Indexing | Not available. |
| | Block #1 | |
| | SureSelect LT Indexing | Not available. |
| | Block #3 | |
| | SureSelect Hyb #1 | Not available. |
| | SureSelect Hyb #2 | Not available. |
| | SureSelect Hyb #4 | Not available. |
| | SureSelect Binding | Not available. |
| | Buffer | |
| | SureSelect Wash | Not available. |
| | Buffer 1 | |
| | SureSelect Wash | Not available. |
| | Buffer 2 | |
| Auto-ignition temperature | : 10X End-Repair Buffer | Not available. |
| | 5X T4 DNA Ligase | Not available. |
| | Buffer | |
| | Klenow DNA | Not available. |
| | Polymerase | |
| | T4 DNA Ligase | Not available. |
| | T4 DNA Polymerase | Not available. |
| | T4 Polynucleotide | Not available. |
| | Kinase | |
| | dNTP Mix | Not available. |
| | 10x Klenow | Not available. |
| | Polymerase Buffer | |
| | Exo(-) Klenow | Not available. |
| | dATP | Not available. |
| | SureSelect LTI5500 P1 | Not available. |
| | SureSelect LTI5500 IA | Not available. |
| | SureSelect LTI Pre | Not available. |
| | Capture Primer | |
| | SureSelect LT-BC1 | Not available. |
| | through -BC16 | |
| | SureSelect RNase | Not available. |
| | Block | |
| | SureSelect Hyb 3 | Not available. |
| | SureSelect Block 2 | Not available. |
| | SureSelect Indexing | Not available. |

SECTION 9: Physical and chemical properties

| | | |
|----------------------------------|-------------------------|----------------|
| | Block #1 | |
| | SureSelect LT Indexing | Not available. |
| | Block #3 | |
| | SureSelect Hyb #1 | Not available. |
| | SureSelect Hyb #2 | Not available. |
| | SureSelect Hyb #4 | Not available. |
| | SureSelect Binding | Not available. |
| | Buffer | |
| | SureSelect Wash | Not available. |
| | Buffer 1 | |
| | SureSelect Wash | Not available. |
| | Buffer 2 | |
| Decomposition temperature | : 10X End-Repair Buffer | Not available. |
| | 5X T4 DNA Ligase | Not available. |
| | Buffer | |
| | Klenow DNA | Not available. |
| | Polymerase | |
| | T4 DNA Ligase | Not available. |
| | T4 DNA Polymerase | Not available. |
| | T4 Polynucleotide | Not available. |
| | Kinase | |
| | dNTP Mix | Not available. |
| | 10x Klenow | Not available. |
| | Polymerase Buffer | |
| | Exo(-) Klenow | Not available. |
| | dATP | Not available. |
| | SureSelect LTI5500 P1 | Not available. |
| | SureSelect LTI5500 IA | Not available. |
| | SureSelect LTI Pre | Not available. |
| | Capture Primer | |
| | SureSelect LT-BC1 | Not available. |
| | through -BC16 | |
| | SureSelect RNase | Not available. |
| | Block | |
| | SureSelect Hyb 3 | Not available. |
| | SureSelect Block 2 | Not available. |
| | SureSelect Indexing | Not available. |
| | Block #1 | |
| | SureSelect LT Indexing | Not available. |
| | Block #3 | |
| | SureSelect Hyb #1 | Not available. |
| | SureSelect Hyb #2 | Not available. |
| | SureSelect Hyb #4 | Not available. |
| | SureSelect Binding | Not available. |
| | Buffer | |
| | SureSelect Wash | Not available. |
| | Buffer 1 | |
| | SureSelect Wash | Not available. |
| | Buffer 2 | |
| Viscosity | : 10X End-Repair Buffer | Not available. |
| | 5X T4 DNA Ligase | Not available. |
| | Buffer | |
| | Klenow DNA | Not available. |
| | Polymerase | |
| | T4 DNA Ligase | Not available. |
| | T4 DNA Polymerase | Not available. |
| | T4 Polynucleotide | Not available. |
| | Kinase | |
| | dNTP Mix | Not available. |
| | 10x Klenow | Not available. |
| | Polymerase Buffer | |
| | Exo(-) Klenow | Not available. |
| | dATP | Not available. |
| | SureSelect LTI5500 P1 | Not available. |
| | SureSelect LTI5500 IA | Not available. |

SECTION 9: Physical and chemical properties

| | |
|-----------------------------------|----------------|
| SureSelect LTI Pre Capture Primer | Not available. |
| SureSelect LT-BC1 through -BC16 | Not available. |
| SureSelect RNase Block | Not available. |
| SureSelect Hyb 3 | Not available. |
| SureSelect Block 2 | Not available. |
| SureSelect Indexing Block #1 | Not available. |
| SureSelect LT Indexing Block #3 | 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. |
| SureSelect Wash Buffer 2 | Not available. |
| 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 LTI5500 P1 | Not available. |
| SureSelect LTI5500 IA | Not available. |
| SureSelect LTI Pre Capture Primer | Not available. |
| SureSelect LT-BC1 through -BC16 | Not available. |
| SureSelect RNase Block | Not available. |
| SureSelect Hyb 3 | Not available. |
| SureSelect Block 2 | Not available. |
| SureSelect Indexing Block #1 | Not available. |
| SureSelect LT Indexing Block #3 | 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. |
| SureSelect Wash Buffer 2 | Not available. |

Explosive properties

9.2 Other information

No additional information.

SECTION 10: Stability and reactivity

| | | | |
|--------------------------------|---|-----------------------------------|--|
| 10.1 Reactivity | : | 10X End-Repair Buffer | No specific test data related to reactivity available for this product or its ingredients. |
| | | 5X T4 DNA Ligase Buffer | No specific test data related to reactivity available for this product or its ingredients. |
| | | Klenow DNA Polymerase | No specific test data related to reactivity available for this product or its ingredients. |
| | | T4 DNA Ligase | No specific test data related to reactivity available for this product or its ingredients. |
| | | T4 DNA Polymerase | No specific test data related to reactivity available for this product or its ingredients. |
| | | T4 Polynucleotide Kinase | No specific test data related to reactivity available for this product or its ingredients. |
| | | dNTP Mix | No specific test data related to reactivity available for this product or its ingredients. |
| | | 10x Klenow Polymerase Buffer | No specific test data related to reactivity available for this product or its ingredients. |
| | | Exo(-) Klenow | No specific test data related to reactivity available for this product or its ingredients. |
| | | dATP | No specific test data related to reactivity available for this product or its ingredients. |
| | | SureSelect LTI5500 P1 | No specific test data related to reactivity available for this product or its ingredients. |
| | | SureSelect LTI5500 IA | No specific test data related to reactivity available for this product or its ingredients. |
| | | SureSelect LTI Pre Capture Primer | No specific test data related to reactivity available for this product or its ingredients. |
| | | SureSelect LT-BC1 through -BC16 | No specific test data related to reactivity available for this product or its ingredients. |
| | | SureSelect RNase Block | No specific test data related to reactivity available for this product or its ingredients. |
| | | SureSelect Hyb 3 | No specific test data related to reactivity available for this product or its ingredients. |
| | | SureSelect Block 2 | No specific test data related to reactivity available for this product or its ingredients. |
| | | SureSelect Indexing Block #1 | No specific test data related to reactivity available for this product or its ingredients. |
| | | SureSelect LT Indexing Block #3 | No specific test data related to reactivity available for this product or its ingredients. |
| | | SureSelect Hyb #1 | No specific test data related to reactivity available for this product or its ingredients. |
| | | SureSelect Hyb #2 | No specific test data related to reactivity available for this product or its ingredients. |
| | | SureSelect Hyb #4 | No specific test data related to reactivity available for this product or its ingredients. |
| | | SureSelect Binding Buffer | No specific test data related to reactivity available for this product or its ingredients. |
| | | SureSelect Wash Buffer 1 | No specific test data related to reactivity available for this product or its ingredients. |
| | | SureSelect Wash Buffer 2 | No specific test data related to reactivity available for this product or its ingredients. |
| 10.2 Chemical stability | : | 10X End-Repair Buffer | The product is stable. |
| | | 5X T4 DNA Ligase Buffer | The product is stable. |
| | | Klenow DNA Polymerase | The product is stable. |
| | | T4 DNA Ligase | The product is stable. |
| | | T4 DNA Polymerase | The product is stable. |
| | | T4 Polynucleotide Kinase | The product is stable. |
| | | dNTP Mix | The product is stable. |
| | | 10x Klenow Polymerase Buffer | The product is stable. |
| | | Exo(-) Klenow | The product is stable. |
| | | dATP | The product is stable. |
| | | SureSelect LTI5500 P1 | The product is stable. |
| | | SureSelect LTI5500 IA | The product is stable. |
| | | SureSelect LTI Pre | The product is stable. |

SECTION 10: Stability and reactivity

| | |
|---------------------------------|------------------------|
| Capture Primer | |
| SureSelect LT-BC1 through -BC16 | The product is stable. |
| SureSelect RNase Block | The product is stable. |
| SureSelect Hyb 3 | The product is stable. |
| SureSelect Block 2 | The product is stable. |
| SureSelect Indexing Block #1 | The product is stable. |
| SureSelect LT Indexing Block #3 | The product is stable. |
| SureSelect Hyb #1 | The product is stable. |
| SureSelect Hyb #2 | The product is stable. |
| SureSelect Hyb #4 | The product is stable. |
| SureSelect Binding Buffer | The product is stable. |
| SureSelect Wash Buffer 1 | The product is stable. |
| SureSelect Wash Buffer 2 | The product is stable. |

10.3 Possibility of hazardous reactions

| | |
|-----------------------------------|---|
| : 10X End-Repair Buffer | Under normal conditions of storage and use, hazardous reactions will not occur. |
| 5X T4 DNA Ligase Buffer | Under normal conditions of storage and use, hazardous reactions will not occur. |
| Klenow DNA Polymerase | Under normal conditions of storage and use, hazardous reactions will not occur. |
| T4 DNA Ligase | Under normal conditions of storage and use, hazardous reactions will not occur. |
| T4 DNA Polymerase | Under normal conditions of storage and use, hazardous reactions will not occur. |
| T4 Polynucleotide Kinase | Under normal conditions of storage and use, hazardous reactions will not occur. |
| dNTP Mix | Under normal conditions of storage and use, hazardous reactions will not occur. |
| 10x Klenow Polymerase Buffer | Under normal conditions of storage and use, hazardous reactions will not occur. |
| Exo(-) Klenow | Under normal conditions of storage and use, hazardous reactions will not occur. |
| dATP | Under normal conditions of storage and use, hazardous reactions will not occur. |
| SureSelect LTI5500 P1 | Under normal conditions of storage and use, hazardous reactions will not occur. |
| SureSelect LTI5500 IA | Under normal conditions of storage and use, hazardous reactions will not occur. |
| SureSelect LTI Pre Capture Primer | Under normal conditions of storage and use, hazardous reactions will not occur. |
| SureSelect LT-BC1 through -BC16 | Under normal conditions of storage and use, hazardous reactions will not occur. |
| SureSelect RNase Block | Under normal conditions of storage and use, hazardous reactions will not occur. |
| SureSelect Hyb 3 | Under normal conditions of storage and use, hazardous reactions will not occur. |
| SureSelect Block 2 | Under normal conditions of storage and use, hazardous reactions will not occur. |
| SureSelect Indexing Block #1 | Under normal conditions of storage and use, hazardous reactions will not occur. |
| SureSelect LT Indexing Block #3 | Under normal conditions of storage and use, hazardous reactions will not occur. |
| SureSelect Hyb #1 | Under normal conditions of storage and use, hazardous reactions will not occur. |
| SureSelect Hyb #2 | Under normal conditions of storage and use, hazardous reactions will not occur. |
| SureSelect Hyb #4 | Under normal conditions of storage and use, hazardous reactions will not occur. |
| SureSelect Binding | Under normal conditions of storage and use, hazardous |

SECTION 10: Stability and reactivity

| | |
|--------------------------|---|
| Buffer | reactions will not occur. |
| SureSelect Wash Buffer 1 | Under normal conditions of storage and use, hazardous reactions will not occur. |
| SureSelect Wash Buffer 2 | Under normal conditions of storage and use, hazardous reactions will not occur. |

10.4 Conditions to avoid :

| | |
|---------------------------------|-------------------|
| 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. |
| Exo(-) Klenow | No specific data. |
| dATP | No specific data. |
| SureSelect LTI5500 P1 | No specific data. |
| SureSelect LTI5500 IA | No specific data. |
| SureSelect LTI Pre | No specific data. |
| Capture Primer | |
| SureSelect LT-BC1 through -BC16 | No specific data. |
| SureSelect RNase Block | No specific data. |
| SureSelect Hyb 3 | No specific data. |
| SureSelect Block 2 | No specific data. |
| SureSelect Indexing Block #1 | No specific data. |
| SureSelect LT Indexing Block #3 | No specific data. |
| SureSelect Hyb #1 | No specific data. |
| SureSelect Hyb #2 | No specific data. |
| SureSelect Hyb #4 | No specific data. |
| SureSelect Binding Buffer | |
| SureSelect Wash Buffer 1 | No specific data. |
| SureSelect Wash Buffer 2 | No specific data. |

10.5 Incompatible materials :

| | |
|---------------------------------|-------------------|
| 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. |
| Exo(-) Klenow | No specific data. |
| dATP | No specific data. |
| SureSelect LTI5500 P1 | No specific data. |
| SureSelect LTI5500 IA | No specific data. |
| SureSelect LTI Pre | No specific data. |
| Capture Primer | |
| SureSelect LT-BC1 through -BC16 | No specific data. |
| SureSelect RNase Block | No specific data. |
| SureSelect Hyb 3 | No specific data. |
| SureSelect Block 2 | No specific data. |
| SureSelect Indexing Block #1 | No specific data. |
| SureSelect LT Indexing Block #3 | No specific data. |
| SureSelect Hyb #1 | No specific data. |

SECTION 10: Stability and reactivity

| | |
|---------------------------|-------------------|
| SureSelect Hyb #2 | No specific data. |
| 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. |

10.6 Hazardous decomposition products

| | |
|-----------------------------------|--|
| : 10X End-Repair Buffer | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| 5X T4 DNA Ligase Buffer | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| Klenow DNA Polymerase | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| T4 DNA Ligase | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| T4 DNA Polymerase | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| T4 Polynucleotide Kinase | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| dNTP Mix | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| 10x Klenow Polymerase Buffer | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| Exo(-) Klenow | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| dATP | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| SureSelect LTI5500 P1 | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| SureSelect LTI5500 IA | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| SureSelect LTI Pre Capture Primer | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| SureSelect LT-BC1 through -BC16 | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| SureSelect RNase Block | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| SureSelect Hyb 3 | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| SureSelect Block 2 | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| SureSelect Indexing Block #1 | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| SureSelect LT Indexing Block #3 | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| SureSelect Hyb #1 | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| SureSelect Hyb #2 | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| SureSelect Hyb #4 | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| SureSelect Binding Buffer | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| SureSelect Wash Buffer 1 | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| SureSelect Wash Buffer 2 | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

| Product/ingredient name | Result | Species | Dose | Exposure |
|--|--|------------|------------------------------------|--------------|
| Klenow DNA Polymerase Glycerol | LD50 Oral | Rat | 12600 mg/kg | - |
| T4 DNA Ligase Glycerol | LD50 Oral | Rat | 12600 mg/kg | - |
| T4 DNA Polymerase Glycerol | LD50 Oral | Rat | 12600 mg/kg | - |
| T4 Polynucleotide Kinase Glycerol | LD50 Oral | Rat | 12600 mg/kg | - |
| Exo(-) Klenow Glycerol | LD50 Oral | Rat | 12600 mg/kg | - |
| SureSelect RNase Block Glycerol | LD50 Oral | Rat | 12600 mg/kg | - |
| SureSelect Hyb #1 Sodium chloride | LC50 Inhalation Dusts and mists LD50 Oral | Rat Rat | >42 g/m ³ 3000 mg/kg | 1 hours - |
| SureSelect Hyb #2 Disodium dihydrogen ethylenediaminetetraacetate | LD50 Oral | Rat | 2 g/kg | - |
| SureSelect Hyb #4 Sulfuric acid monododecyl ester sodium salt (1:1) | LD50 Oral | Rat | 1288 mg/kg | - |
| SureSelect Binding Buffer Sodium chloride | LC50 Inhalation Dusts and mists LD50 Oral | Rat Rat | >42 g/m ³ 3000 mg/kg | 1 hours - |

Acute toxicity estimates

| Route | ATE value |
|---|---------------|
| 10X End-Repair Buffer Oral | 25974 mg/kg |
| SureSelect Hyb #2 Oral | 13698.6 mg/kg |
| SureSelect Hyb #4 Oral | 128800 mg/kg |
| SureSelect Wash Buffer 1 Dermal | 580000 mg/kg |

Irritation/Corrosion

| Product/ingredient name | Result | Species | Score | Exposure | Observation |
|--|----------------------|---------|-------|-------------------------|-------------|
| Klenow DNA Polymerase Glycerol | Eyes - Mild irritant | Rabbit | - | 24 hours 500 milligrams | - |
| | Skin - Mild irritant | Rabbit | - | 24 hours 500 milligrams | - |
| T4 DNA Ligase Glycerol | Eyes - Mild irritant | Rabbit | - | 24 hours 500 milligrams | - |

SECTION 11: Toxicological information

| | | | | | |
|---|--|------------------|--------|--|--------|
| T4 DNA Polymerase Glycerol | Skin - Mild irritant | Rabbit | - | 24 hours 500 milligrams | - |
| | Eyes - Mild irritant | Rabbit | - | 24 hours 500 milligrams | - |
| T4 Polynucleotide Kinase Glycerol | Skin - Mild irritant | Rabbit | - | 24 hours 500 milligrams | - |
| | Eyes - Mild irritant | Rabbit | - | 24 hours 500 milligrams | - |
| Exo(-) Klenow Glycerol | Skin - Mild irritant | Rabbit | - | 24 hours 500 milligrams | - |
| | Eyes - Mild irritant | Rabbit | - | 24 hours 500 milligrams | - |
| SureSelect RNase Block Glycerol | Skin - Mild irritant | Rabbit | - | 24 hours 500 milligrams | - |
| | Eyes - Mild irritant | Rabbit | - | 24 hours 500 milligrams | - |
| SureSelect Hyb #1 Sodium chloride | Skin - Mild irritant | Rabbit | - | 24 hours 500 milligrams | - |
| | Eyes - Moderate irritant | Rabbit | - | 24 hours 100 milligrams | - |
| | Eyes - Moderate irritant Skin - Mild irritant | Rabbit Rabbit | - - | 10 milligrams 24 hours 500 milligrams | - - |
| SureSelect Binding Buffer Sodium chloride | Skin - Mild irritant | Rabbit | - | 24 hours 500 milligrams | - |
| | Eyes - Moderate irritant | Rabbit | - | 24 hours 100 milligrams | - |
| | Eyes - Moderate irritant Skin - Mild irritant | Rabbit Rabbit | - - | 10 milligrams 24 hours 500 milligrams | - - |

Sensitiser

Conclusion/Summary : Not available.

Chronic toxicity / Carcinogenicity / Mutagenicity / Teratogenicity / Reproductive toxicity

Not available.

Specific target organ toxicity (single exposure)

| Product/ingredient name | Category | Route of exposure | Target organs |
|--|------------|-------------------|------------------------------|
| 10X End-Repair Buffer 2-Amino-2-(hydroxymethyl)propane-1,3-diol hydrochloride | Category 3 | Not applicable. | Respiratory tract irritation |
| (R*,R*)-1,4-Dimercaptobutane-2,3-diol | Category 3 | Not applicable. | Respiratory tract irritation |
| 5X T4 DNA Ligase Buffer 2-Amino-2-(hydroxymethyl)propane-1,3-diol hydrochloride | Category 3 | Not applicable. | Respiratory tract irritation |
| 10x Klenow Polymerase Buffer 2-Amino-2-(hydroxymethyl)propane-1,3-diol hydrochloride | Category 3 | Not applicable. | Respiratory tract irritation |
| SureSelect Hyb #4 Sulfuric acid monododecyl ester sodium salt (1:1) | Category 3 | Not applicable. | Respiratory tract |

SECTION 11: Toxicological information

irritation

Specific target organ toxicity (repeated exposure)

| Product/ingredient name | Category | Route of exposure | Target organs |
|---|------------|-------------------|---------------|
| Klenow DNA Polymerase Glycerol | Category 2 | Inhalation | kidneys |
| T4 DNA Ligase Glycerol | Category 2 | Inhalation | kidneys |
| T4 DNA Polymerase Glycerol | Category 2 | Inhalation | kidneys |
| T4 Polynucleotide Kinase Glycerol | Category 2 | Inhalation | kidneys |
| Exo(-) Klenow Glycerol | Category 2 | Inhalation | kidneys |
| SureSelect RNase Block Glycerol | Category 2 | Inhalation | kidneys |

Aspiration hazard

Not available.

Information on the likely routes of exposure : Routes of entry anticipated: Oral, Dermal, Inhalation

Potential acute health effects

| | | |
|-------------------|---------------------------------|--|
| Inhalation | : 10X End-Repair Buffer | Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure. |
| | 5X T4 DNA Ligase Buffer | Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure. |
| | 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 | Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure. |
| | 10x Klenow Polymerase Buffer | Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure. |
| | Exo(-) Klenow | No known significant effects or critical hazards. |
| | dATP | No known significant effects or critical hazards. |
| | SureSelect LTI5500 P1 | No known significant effects or critical hazards. |
| | SureSelect LTI5500 IA | No known significant effects or critical hazards. |
| | SureSelect LTI Pre | No known significant effects or critical hazards. |
| | Capture Primer | |
| | SureSelect LT-BC1 through -BC16 | No known significant effects or critical hazards. |
| | SureSelect RNase Block | No known significant effects or critical hazards. |
| | SureSelect Hyb 3 | Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure. |
| | SureSelect Block 2 | No known significant effects or critical hazards. |
| | SureSelect Indexing Block #1 | No known significant effects or critical hazards. |
| | SureSelect LT Indexing Block #3 | No known significant effects or critical hazards. |
| | SureSelect Hyb #1 | No known significant effects or critical hazards. |
| | SureSelect Hyb #2 | Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure. |
| | SureSelect Hyb #4 | No known significant effects or critical hazards. |
| | SureSelect Binding Buffer | No known significant effects or critical hazards. |
| | SureSelect Wash Buffer | No known significant effects or critical hazards. |

SECTION 11: Toxicological information

| | | | |
|---------------------|---|---------------------------------|---|
| | 1 | SureSelect Wash Buffer | No known significant effects or critical hazards. |
| | 2 | | |
| 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 LTI5500 P1 | No known significant effects or critical hazards. |
| | | SureSelect LTI5500 IA | No known significant effects or critical hazards. |
| | | SureSelect LTI Pre | No known significant effects or critical hazards. |
| | | Capture Primer | |
| | | SureSelect LT-BC1 through -BC16 | No known significant effects or critical hazards. |
| | | SureSelect RNase Block | No known significant effects or critical hazards. |
| | | SureSelect Hyb 3 | No known significant effects or critical hazards. |
| | | SureSelect Block 2 | No known significant effects or critical hazards. |
| | | SureSelect Indexing Block #1 | No known significant effects or critical hazards. |
| | | SureSelect LT Indexing Block #3 | No known significant effects or critical hazards. |
| | | SureSelect Hyb #1 | Irritating to mouth, throat and stomach. |
| | | 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 | No known significant effects or critical hazards. |
| | 1 | | |
| | 2 | SureSelect Wash Buffer | No known significant effects or critical hazards. |
| | | | |
| Skin contact | : | 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 LTI5500 P1 | No known significant effects or critical hazards. |
| | | SureSelect LTI5500 IA | No known significant effects or critical hazards. |
| | | SureSelect LTI Pre | No known significant effects or critical hazards. |
| | | Capture Primer | |
| | | SureSelect LT-BC1 through -BC16 | No known significant effects or critical hazards. |
| | | SureSelect RNase Block | No known significant effects or critical hazards. |
| | | SureSelect Hyb 3 | No known significant effects or critical hazards. |
| | | SureSelect Block 2 | No known significant effects or critical hazards. |
| | | SureSelect Indexing Block #1 | No known significant effects or critical hazards. |
| | | SureSelect LT Indexing Block #3 | 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 | May cause an allergic skin reaction. |
| | | SureSelect Binding Buffer | No known significant effects or critical hazards. |

SECTION 11: Toxicological information

| | | |
|--------------------|-----------------------------------|---|
| | SureSelect Wash Buffer 1 | No known significant effects or critical hazards. |
| | SureSelect Wash Buffer 2 | No known significant effects or critical hazards. |
| Eye contact | : 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 dATP | No known significant effects or critical hazards. |
| | SureSelect LTI5500 P1 | No known significant effects or critical hazards. |
| | SureSelect LTI5500 IA | No known significant effects or critical hazards. |
| | SureSelect LTI Pre Capture Primer | No known significant effects or critical hazards. |
| | SureSelect LT-BC1 through -BC16 | No known significant effects or critical hazards. |
| | SureSelect RNase Block | No known significant effects or critical hazards. |
| | SureSelect Hyb 3 | No known significant effects or critical hazards. |
| | SureSelect Block 2 | No known significant effects or critical hazards. |
| | SureSelect Indexing Block #1 | No known significant effects or critical hazards. |
| | SureSelect LT Indexing Block #3 | No known significant effects or critical hazards. |
| | SureSelect Hyb #1 | Causes serious eye irritation. |
| | 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. |

Symptoms related to the physical, chemical and toxicological characteristics

| | | |
|-------------------|-----------------------------------|-------------------|
| 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. |
| | Exo(-) Klenow dATP | No specific data. |
| | SureSelect LTI5500 P1 | No specific data. |
| | SureSelect LTI5500 IA | No specific data. |
| | SureSelect LTI Pre Capture Primer | No specific data. |
| | SureSelect LT-BC1 through -BC16 | No specific data. |
| | SureSelect RNase Block | No specific data. |
| | SureSelect Hyb 3 | No specific data. |
| | SureSelect Block 2 | No specific data. |
| | SureSelect Indexing Block #1 | No specific data. |
| | SureSelect LT Indexing Block #3 | No specific data. |
| | SureSelect Hyb #1 | No specific data. |
| | SureSelect Hyb #2 | No specific data. |
| | SureSelect Hyb #4 | No specific data. |

SECTION 11: Toxicological information

| | | |
|---------------------|---------------------------------|-------------------|
| | SureSelect Binding Buffer | No specific data. |
| | SureSelect Wash Buffer 1 | No specific data. |
| | SureSelect Wash Buffer 2 | No specific data. |
| Ingestion | : 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. |
| | Exo(-) Klenow | No specific data. |
| | dATP | No specific data. |
| | SureSelect LTI5500 P1 | No specific data. |
| | SureSelect LTI5500 IA | No specific data. |
| | SureSelect LTI Pre | No specific data. |
| | Capture Primer | |
| | SureSelect LT-BC1 through -BC16 | No specific data. |
| | SureSelect RNase Block | No specific data. |
| | SureSelect Hyb 3 | No specific data. |
| | SureSelect Block 2 | No specific data. |
| | SureSelect Indexing Block #1 | No specific data. |
| | SureSelect LT Indexing Block #3 | No specific data. |
| | SureSelect Hyb #1 | No specific data. |
| | SureSelect Hyb #2 | No specific data. |
| | 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. |
| Skin contact | : 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. |
| | Exo(-) Klenow | No specific data. |
| | dATP | No specific data. |
| | SureSelect LTI5500 P1 | No specific data. |
| | SureSelect LTI5500 IA | No specific data. |
| | SureSelect LTI Pre | No specific data. |
| | Capture Primer | |
| | SureSelect LT-BC1 through -BC16 | No specific data. |
| | SureSelect RNase Block | No specific data. |
| | SureSelect Hyb 3 | No specific data. |
| | SureSelect Block 2 | No specific data. |
| | SureSelect Indexing Block #1 | No specific data. |
| | SureSelect LT Indexing Block #3 | No specific data. |
| | SureSelect Hyb #1 | No specific data. |
| | SureSelect Hyb #2 | No specific data. |

SECTION 11: Toxicological information

| | | |
|--------------------|-----------------------------------|--|
| | SureSelect Hyb #4 | Adverse symptoms may include the following: irritation redness |
| | SureSelect Binding Buffer | No specific data. |
| | SureSelect Wash Buffer 1 | No specific data. |
| | SureSelect Wash Buffer 2 | No specific data. |
| Eye contact | : 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. |
| | Exo(-) Klenow | No specific data. |
| | dATP | No specific data. |
| | SureSelect LTI5500 P1 | No specific data. |
| | SureSelect LTI5500 IA | No specific data. |
| | SureSelect LTI Pre Capture Primer | No specific data. |
| | SureSelect LT-BC1 through -BC16 | No specific data. |
| | SureSelect RNase Block | No specific data. |
| | SureSelect Hyb 3 | No specific data. |
| | SureSelect Block 2 | No specific data. |
| | SureSelect Indexing Block #1 | No specific data. |
| | SureSelect LT Indexing Block #3 | No specific data. |
| | SureSelect Hyb #1 | Adverse symptoms may include the following: pain or irritation watering redness |
| | SureSelect Hyb #2 | No specific data. |
| | 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. |

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Long term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Potential chronic health effects

SECTION 11: Toxicological information

| | | | |
|------------------------|---|-----------------------------------|---|
| 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 | May cause damage to organs through prolonged or repeated exposure. |
| | | T4 DNA Ligase | May cause damage to organs through prolonged or repeated exposure. |
| | | T4 DNA Polymerase | May cause damage to organs through prolonged or repeated exposure. |
| | | T4 Polynucleotide Kinase | May cause damage to organs through prolonged or repeated exposure. |
| | | dNTP Mix | No known significant effects or critical hazards. |
| | | 10x Klenow Polymerase Buffer | No known significant effects or critical hazards. |
| | | Exo(-) Klenow | May cause damage to organs through prolonged or repeated exposure. |
| | | dATP | No known significant effects or critical hazards. |
| | | SureSelect LTI5500 P1 | No known significant effects or critical hazards. |
| | | SureSelect LTI5500 IA | No known significant effects or critical hazards. |
| | | SureSelect LTI Pre Capture Primer | No known significant effects or critical hazards. |
| | | SureSelect LT-BC1 through -BC16 | No known significant effects or critical hazards. |
| | | SureSelect RNase Block | May cause damage to organs through prolonged or repeated exposure. |
| | | SureSelect Hyb 3 | No known significant effects or critical hazards. |
| | | SureSelect Block 2 | No known significant effects or critical hazards. |
| | | SureSelect Indexing Block #1 | No known significant effects or critical hazards. |
| | | SureSelect LT Indexing Block #3 | 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 | Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels. |
| | | 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. |
| Carcinogenicity | : | 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 LTI5500 P1 | No known significant effects or critical hazards. |
| | | SureSelect LTI5500 IA | No known significant effects or critical hazards. |
| | | SureSelect LTI Pre Capture Primer | No known significant effects or critical hazards. |
| | | SureSelect LT-BC1 through -BC16 | No known significant effects or critical hazards. |
| | | SureSelect RNase Block | No known significant effects or critical hazards. |
| | | SureSelect Hyb 3 | No known significant effects or critical hazards. |
| | | SureSelect Block 2 | No known significant effects or critical hazards. |
| | | SureSelect Indexing Block #1 | No known significant effects or critical hazards. |
| | | SureSelect LT Indexing Block #3 | No known significant effects or critical hazards. |
| | | SureSelect Hyb #1 | No known significant effects or critical hazards. |

SECTION 11: Toxicological information

| | | |
|-----------------------|-----------------------------------|---|
| | 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. |
| 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. |
| | SureSelect LTI5500 P1 | No known significant effects or critical hazards. |
| | SureSelect LTI5500 IA | No known significant effects or critical hazards. |
| | SureSelect LTI Pre Capture Primer | No known significant effects or critical hazards. |
| | SureSelect LT-BC1 through -BC16 | No known significant effects or critical hazards. |
| | SureSelect RNase Block | No known significant effects or critical hazards. |
| | SureSelect Hyb 3 | No known significant effects or critical hazards. |
| | SureSelect Block 2 | No known significant effects or critical hazards. |
| | SureSelect Indexing Block #1 | No known significant effects or critical hazards. |
| | SureSelect LT Indexing Block #3 | 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. |
| 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. |
| | 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 LTI5500 P1 | No known significant effects or critical hazards. |
| | SureSelect LTI5500 IA | No known significant effects or critical hazards. |
| | SureSelect LTI Pre Capture Primer | No known significant effects or critical hazards. |
| | SureSelect LT-BC1 through -BC16 | No known significant effects or critical hazards. |
| | SureSelect RNase Block | No known significant effects or critical hazards. |
| | SureSelect Hyb 3 | No known significant effects or critical hazards. |
| | SureSelect Block 2 | No known significant effects or critical hazards. |
| | SureSelect Indexing Block #1 | No known significant effects or critical hazards. |
| | SureSelect LT Indexing Block #3 | No known significant effects or critical hazards. |

SECTION 11: Toxicological information

| | | |
|------------------------------|-----------------------------------|---|
| | 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. |
| Developmental 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 dATP | No known significant effects or critical hazards. |
| | SureSelect LTI5500 P1 | No known significant effects or critical hazards. |
| | SureSelect LTI5500 IA | No known significant effects or critical hazards. |
| | SureSelect LTI Pre Capture Primer | No known significant effects or critical hazards. |
| | SureSelect LT-BC1 through -BC16 | No known significant effects or critical hazards. |
| | SureSelect RNase Block | No known significant effects or critical hazards. |
| | SureSelect Hyb 3 | No known significant effects or critical hazards. |
| | SureSelect Block 2 | No known significant effects or critical hazards. |
| | SureSelect Indexing Block #1 | No known significant effects or critical hazards. |
| | SureSelect LT Indexing Block #3 | 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. |
| 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 dATP | No known significant effects or critical hazards. |
| | SureSelect LTI5500 P1 | No known significant effects or critical hazards. |
| | SureSelect LTI5500 IA | No known significant effects or critical hazards. |
| | SureSelect LTI Pre Capture Primer | No known significant effects or critical hazards. |
| | SureSelect LT-BC1 through -BC16 | No known significant effects or critical hazards. |
| | SureSelect RNase Block | No known significant effects or critical hazards. |
| | SureSelect Hyb 3 | No known significant effects or critical hazards. |
| | SureSelect Block 2 | No known significant effects or critical hazards. |
| | SureSelect Indexing Block #1 | No known significant effects or critical hazards. |
| | SureSelect LT Indexing | No known significant effects or critical hazards. |

SECTION 11: Toxicological information

| | |
|---------------------------|---|
| Block #3 | |
| 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. |

Toxicokinetics

Absorption

| | |
|---------------------------------|----------------|
| : 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 LTI5500 P1 | Not available. |
| SureSelect LTI5500 IA | Not available. |
| SureSelect LTI Pre | Not available. |
| Capture Primer | |
| SureSelect LT-BC1 through -BC16 | Not available. |
| SureSelect RNase Block | Not available. |
| SureSelect Hyb 3 | Not available. |
| SureSelect Block 2 | Not available. |
| SureSelect Indexing | Not available. |
| Block #1 | |
| SureSelect LT Indexing | Not available. |
| Block #3 | |
| 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. |
| SureSelect Wash Buffer 2 | Not available. |

Distribution

| | |
|---------------------------------|----------------|
| : 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 LTI5500 P1 | Not available. |
| SureSelect LTI5500 IA | Not available. |
| SureSelect LTI Pre | Not available. |
| Capture Primer | |
| SureSelect LT-BC1 through -BC16 | Not available. |
| SureSelect RNase Block | Not available. |
| SureSelect Hyb 3 | Not available. |
| SureSelect Block 2 | Not available. |
| SureSelect Indexing | Not available. |

SECTION 11: Toxicological information

| | | |
|--------------------|--------------------------|----------------|
| | Block #1 | |
| | SureSelect LT Indexing | Not available. |
| | Block #3 | |
| | SureSelect Hyb #1 | Not available. |
| | SureSelect Hyb #2 | Not available. |
| | SureSelect Hyb #4 | Not available. |
| | SureSelect Binding | Not available. |
| | Buffer | |
| | SureSelect Wash Buffer | Not available. |
| | 1 | |
| | SureSelect Wash Buffer | Not available. |
| | 2 | |
| Metabolism | : 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 | Not available. |
| | Buffer | |
| | Exo(-) Klenow | Not available. |
| | dATP | Not available. |
| | SureSelect LTI5500 P1 | Not available. |
| | SureSelect LTI5500 IA | Not available. |
| | SureSelect LTI Pre | Not available. |
| | Capture Primer | |
| | SureSelect LT-BC1 | Not available. |
| | through -BC16 | |
| | SureSelect RNase Block | Not available. |
| | SureSelect Hyb 3 | Not available. |
| | SureSelect Block 2 | Not available. |
| | SureSelect Indexing | Not available. |
| | Block #1 | |
| | SureSelect LT Indexing | Not available. |
| | Block #3 | |
| | SureSelect Hyb #1 | Not available. |
| | SureSelect Hyb #2 | Not available. |
| | SureSelect Hyb #4 | Not available. |
| | SureSelect Binding | Not available. |
| | Buffer | |
| | SureSelect Wash Buffer | Not available. |
| | 1 | |
| | SureSelect Wash Buffer | Not available. |
| | 2 | |
| Elimination | : 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 | Not available. |
| | Buffer | |
| | Exo(-) Klenow | Not available. |
| | dATP | Not available. |
| | SureSelect LTI5500 P1 | Not available. |
| | SureSelect LTI5500 IA | Not available. |
| | SureSelect LTI Pre | Not available. |
| | Capture Primer | |
| | SureSelect LT-BC1 | Not available. |
| | through -BC16 | |
| | SureSelect RNase Block | Not available. |
| | SureSelect Hyb 3 | Not available. |
| | SureSelect Block 2 | Not available. |

SECTION 11: Toxicological information

| | |
|---------------------------------|----------------|
| SureSelect Indexing Block #1 | Not available. |
| SureSelect LT Indexing Block #3 | 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. |
| SureSelect Wash Buffer 2 | Not available. |

Other information : Not available.

SECTION 12: Ecological information

12.1 Toxicity

| Product/ingredient name | Result | Species | Exposure |
|---|--|---|--|
| 10X End-Repair Buffer (R*,R*)-1, 4-Dimercaptobutane-2,3-diol | Acute LC50 27000 to 30000 µg/l Fresh water | Daphnia - Daphnia magna | 48 hours |
| SureSelect Hyb #1 Sodium chloride | Acute EC50 2430000 µg/l Fresh water Acute EC50 28.85 mg/dm3 Fresh water Acute EC50 519.6 mg/l Fresh water Acute IC50 6.87 g/L Fresh water Acute LC50 1661 mg/l Fresh water Acute LC50 1000000 µg/l Fresh water Chronic NOEC 6 g/L Fresh water Chronic NOEC 0.314 g/L Fresh water Chronic NOEC 100 mg/l Fresh water | Algae - Navicula seminulum Algae - Pseudokirchneriella subcapitata Crustaceans - Cypris subglobosa Aquatic plants - Lemna minor Daphnia - Daphnia magna Fish - Morone saxatilis - Larvae Aquatic plants - Lemna minor Daphnia - Daphnia pulex Fish - Gambusia holbrooki - Adult | 96 hours 72 hours 48 hours 96 hours 48 hours 96 hours 96 hours 21 days 8 weeks |
| SureSelect Hyb #2 Disodium dihydrogen ethylenediaminetetraacetate | Acute LC50 320 mg/l Fresh water | Fish | 96 hours |
| SureSelect Binding Buffer Sodium chloride | Acute EC50 2430000 µg/l Fresh water Acute EC50 28.85 mg/dm3 Fresh water Acute EC50 519.6 mg/l Fresh water Acute IC50 6.87 g/L Fresh water Acute LC50 1661 mg/l Fresh water Acute LC50 1000000 µg/l Fresh water Chronic NOEC 6 g/L Fresh water Chronic NOEC 0.314 g/L Fresh water Chronic NOEC 100 mg/l Fresh water | Algae - Navicula seminulum Algae - Pseudokirchneriella subcapitata Crustaceans - Cypris subglobosa Aquatic plants - Lemna minor Daphnia - Daphnia magna Fish - Morone saxatilis - Larvae Aquatic plants - Lemna minor Daphnia - Daphnia pulex Fish - Gambusia holbrooki - Adult | 96 hours 72 hours 48 hours 96 hours 48 hours 96 hours 96 hours 21 days 8 weeks |

12.2 Persistence and degradability

Conclusion/Summary : Not available.

12.3 Bioaccumulative potential

SECTION 12: Ecological information

| Product/ingredient name | LogP _{ow} | BCF | Potential |
|--|--------------------|-----|-----------|
| Klenow DNA Polymerase Glycerol | -1.76 | - | low |
| T4 DNA Ligase Glycerol | -1.76 | - | low |
| T4 DNA Polymerase Glycerol | -1.76 | - | low |
| T4 Polynucleotide Kinase Glycerol | -1.76 | - | low |
| Exo(-) Klenow Glycerol | -1.76 | - | low |
| SureSelect RNase Block Glycerol | -1.76 | - | low |
| SureSelect Hyb #2 Disodium dihydrogen ethylenediaminetetraacetate | -4.3 | 1.8 | low |

12.4 Mobility in soil

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

Mobility : Not available.

12.5 Results of PBT and vPvB assessment

PBT : Not applicable.

vPvB : Not applicable.

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

SECTION 13: Disposal considerations**13.1 Waste treatment methods****Product**

Methods of disposal : The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

Hazardous waste : The classification of the product may meet the criteria for a hazardous waste.

Packaging

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

Special precautions : This material and its container must be disposed of in a safe way. 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

Regulatory information

ADR/RID / IMDG / IATA : Not regulated.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code : Not available.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

EU Regulation (EC) No. 1907/2006 (REACH)

Annex XIV - List of substances subject to authorisation

Substances of very high concern

None of the components are listed.

Annex XVII - : Not applicable.

Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

Other EU regulations

Europe inventory : At least one component is not listed.

Black List Chemicals : Not listed

Priority List Chemicals : Not listed

Integrated pollution prevention and control list (IPPC) - Air : Not listed

Integrated pollution prevention and control list (IPPC) - Water : Not listed

15.2 Chemical Safety Assessment : This product contains substances for which Chemical Safety Assessments might still be required.

SECTION 16: Other information

Indicates information that has changed from previously issued version.

Abbreviations and acronyms : ATE = Acute Toxicity Estimate
 CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
 DNEL = Derived No Effect Level
 EUH statement = CLP-specific Hazard statement
 PNEC = Predicted No Effect Concentration
 RRN = REACH Registration Number

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

| Classification | Justification |
|---|--------------------|
| Klenow DNA Polymerase STOT RE 2, H373 | Calculation method |
| T4 DNA Ligase STOT RE 2, H373 | Calculation method |
| T4 DNA Polymerase STOT RE 2, H373 | Calculation method |
| T4 Polynucleotide Kinase | |

Date of issue/Date of revision : 02/10/2014

SECTION 16: Other information

| | |
|--|--------------------|
| STOT RE 2, H373 Exo(-) Klenow STOT RE 2, H373 | Calculation method |
| SureSelect RNase Block STOT RE 2, H373 | Calculation method |
| SureSelect Hyb #1 Eye Irrit. 2, H319 | Calculation method |
| SureSelect Hyb #4 Skin Sens. 1, H317 | Calculation method |

| | | |
|--|-------------------------------------|---|
| Full text of abbreviated H statements | : 10X End-Repair Buffer | |
| | H302 | Harmful if swallowed. |
| | H315 | Causes skin irritation. |
| | H319 | Causes serious eye irritation. |
| | H335 (Respiratory tract irritation) | May cause respiratory irritation. (Respiratory tract irritation) |
| | H412 | Harmful to aquatic life with long lasting effects. |
| | 5X T4 DNA Ligase Buffer | |
| | H315 | Causes skin irritation. |
| | H319 | Causes serious eye irritation. |
| | H335 (Respiratory tract irritation) | May cause respiratory irritation. (Respiratory tract irritation) |
| | Klenow DNA Polymerase | |
| | H373 | May cause damage to organs through prolonged or repeated exposure. |
| | H373 (kidneys) (inhalation) | May cause damage to organs through prolonged or repeated exposure if inhaled. (kidneys) |
| | T4 DNA Ligase | |
| | H373 | May cause damage to organs through prolonged or repeated exposure. |
| | H373 (kidneys) (inhalation) | May cause damage to organs through prolonged or repeated exposure if inhaled. (kidneys) |
| | T4 DNA Polymerase | |
| | H373 | May cause damage to organs through prolonged or repeated exposure. |
| | H373 (kidneys) (inhalation) | May cause damage to organs through prolonged or repeated exposure if inhaled. (kidneys) |
| | T4 Polynucleotide Kinase | |
| | H373 | May cause damage to organs through prolonged or repeated exposure. |
| | H373 (kidneys) (inhalation) | May cause damage to organs through prolonged or repeated exposure if inhaled. (kidneys) |
| | 10x Klenow Polymerase Buffer | |
| | H315 | Causes skin irritation. |
| | H319 | Causes serious eye irritation. |
| | H335 (Respiratory tract irritation) | May cause respiratory irritation. (Respiratory tract irritation) |
| | Exo(-) Klenow | |
| | H373 | May cause damage to organs through prolonged or repeated exposure. |

SECTION 16: Other information

| | |
|---|--|
| H373 (kidneys) (inhalation) | May cause damage to organs through prolonged or repeated exposure if inhaled. (kidneys) |
| SureSelect RNase Block | |
| H373 | May cause damage to organs through prolonged or repeated exposure. |
| H373 (kidneys) (inhalation) | May cause damage to organs through prolonged or repeated exposure if inhaled. (kidneys) |
| SureSelect Hyb #1 | |
| H319 | Causes serious eye irritation. |
| SureSelect Hyb #2 | |
| H302 | Harmful if swallowed. |
| SureSelect Hyb #4 | |
| H302 | Harmful if swallowed. |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H319 | Causes serious eye irritation. |
| H335 (Respiratory tract irritation) | May cause respiratory irritation. (Respiratory tract irritation) |
| SureSelect Binding Buffer | |
| H319 | Causes serious eye irritation. |
| 10X End-Repair Buffer | |
| Acute Tox. 4, H302 | ACUTE TOXICITY (oral) - Category 4 |
| Aquatic Chronic 3, H412 | LONG-TERM AQUATIC HAZARD - Category 3 |
| Eye Irrit. 2, H319 | SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2 |
| Skin Irrit. 2, H315 | SKIN CORROSION/IRRITATION - Category 2 |
| STOT SE 3, H335 (Respiratory tract irritation) | SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 |
| 5X T4 DNA Ligase Buffer | |
| Eye Irrit. 2, H319 | SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2 |
| Skin Irrit. 2, H315 | SKIN CORROSION/IRRITATION - Category 2 |
| STOT SE 3, H335 (Respiratory tract irritation) | SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 |
| Klenow DNA Polymerase | |
| STOT RE 2, H373 | SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2 |
| STOT RE 2, H373 (kidneys) (inhalation) | SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (kidneys) (inhalation) - Category 2 |
| T4 DNA Ligase | |
| STOT RE 2, H373 | SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2 |
| STOT RE 2, H373 (kidneys) (inhalation) | SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (kidneys) (inhalation) - Category 2 |
| T4 DNA Polymerase | |
| STOT RE 2, H373 | SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2 |
| STOT RE 2, H373 (kidneys) (inhalation) | SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (kidneys) (inhalation) - Category 2 |
| T4 Polynucleotide | |

Full text of classifications [CLP/GHS]

SECTION 16: Other information

Kinase

STOT RE 2, H373

SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2

STOT RE 2, H373
(kidneys) (inhalation)

SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (kidneys) (inhalation) - Category 2

10x Klenow

Polymerase Buffer

Eye Irrit. 2, H319

SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2

Skin Irrit. 2, H315

SKIN CORROSION/IRRITATION - Category 2

STOT SE 3, H335

SPECIFIC TARGET ORGAN TOXICITY (SINGLE

(Respiratory tract irritation)

EXPOSURE) (Respiratory tract irritation) - Category 3

Exo(-) Klenow

STOT RE 2, H373

SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2

STOT RE 2, H373
(kidneys) (inhalation)

SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (kidneys) (inhalation) - Category 2

SureSelect RNase

Block

STOT RE 2, H373

SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2

STOT RE 2, H373
(kidneys) (inhalation)

SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (kidneys) (inhalation) - Category 2

SureSelect Hyb #1

Eye Irrit. 2, H319

SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2

SureSelect Hyb #2

Acute Tox. 4, H302

ACUTE TOXICITY (oral) - Category 4

SureSelect Hyb #4

Acute Tox. 4, H302

ACUTE TOXICITY (oral) - Category 4

Eye Irrit. 2, H319

SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2

Skin Irrit. 2, H315

SKIN CORROSION/IRRITATION - Category 2

Skin Sens. 1, H317

SKIN SENSITIZATION - Category 1

STOT SE 3, H335

SPECIFIC TARGET ORGAN TOXICITY (SINGLE

(Respiratory tract irritation)

EXPOSURE) (Respiratory tract irritation) - Category 3

SureSelect Binding

Buffer

Eye Irrit. 2, H319

SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2

Full text of abbreviated R phrases

: 10X End-Repair Buffer

R22- Harmful if swallowed.

5X T4 DNA Ligase Buffer

R36/37/38- Irritating to eyes, respiratory system and skin.

Klenow DNA Polymerase

R36/37/38- Irritating to eyes, respiratory system and skin.

T4 DNA Ligase

Not applicable.

T4 DNA Polymerase

Not applicable.

T4 Polynucleotide Kinase

Not applicable.

dNTP Mix

Not applicable.

10x Klenow Polymerase

R36/37/38- Irritating to eyes, respiratory system and skin.

Buffer

Exo(-) Klenow

Not applicable.

dATP

Not applicable.

SureSelect LTI5500 P1

Not applicable.

SureSelect LTI5500 IA

Not applicable.

SureSelect LTI Pre

Not applicable.

Capture Primer

SureSelect LT-BC1

Not applicable.

through -BC16

Not applicable.

SureSelect RNase Block

Not applicable.

SECTION 16: Other information

| | |
|-----------------------------------|--|
| SureSelect Hyb 3 | Not applicable. |
| SureSelect Block 2 | Not applicable. |
| SureSelect Indexing Block #1 | Not applicable. |
| SureSelect LT Indexing Block #3 | Not applicable. |
| SureSelect Hyb #1 | R36- Irritating to eyes. |
| SureSelect Hyb #2 | R22- Harmful if swallowed. |
| SureSelect Hyb #4 | R22- Harmful if swallowed. R36/37/38- Irritating to eyes, respiratory system and skin. R43- May cause sensitisation by skin contact. |
| SureSelect Binding Buffer | R36- Irritating to eyes. |
| SureSelect Wash Buffer 1 | Not applicable. |
| SureSelect Wash Buffer 2 | Not applicable. |
| 10X End-Repair Buffer | Xn - Harmful Xi - Irritant |
| 5X T4 DNA Ligase Buffer | Xi - Irritant |
| 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 | Xi - Irritant |
| Exo(-) Klenow dATP | Not applicable. |
| SureSelect LTI5500 P1 | Not applicable. |
| SureSelect LTI5500 IA | Not applicable. |
| SureSelect LTI Pre Capture Primer | Not applicable. |
| SureSelect LT-BC1 through -BC16 | Not applicable. |
| SureSelect RNase Block | Not applicable. |
| SureSelect Hyb 3 | Not applicable. |
| SureSelect Block 2 | Not applicable. |
| SureSelect Indexing Block #1 | Not applicable. |
| SureSelect LT Indexing Block #3 | Not applicable. |
| SureSelect Hyb #1 | Xi - Irritant |
| SureSelect Hyb #2 | Xn - Harmful |
| SureSelect Hyb #4 | Xn - Harmful Xi - Irritant |
| SureSelect Binding Buffer | Xi - Irritant |
| SureSelect Wash Buffer 1 | Not applicable. |
| SureSelect Wash Buffer 2 | Not applicable. |

Full text of classifications [DSD/DPD]

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Date of previous issue : 23/08/2012.

Version : 2

Nota * : SureSelect LT-BC1 through -BC16: 5972-3659, 5972-3660, 5972-3661, 5972-3662, 5972-3663, 5972-3664, 5972-3665, 5972-3666, 5972-3667, 5972-3668, 5972-3669, 5972-3670, 5972-3671, 5972-3672, 5972-3673, 5972-3674

Notice to reader

SECTION 16: Other information

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