

SAFETY DATA SHEET



SureVector E. coli C-terminal Expansion Kit, 15 rxn, Part Number G7515B

Section 1. Identification

| | | | |
|--------------------------------|---|-----------|--|
| Product identifier | : SureVector E. coli C-terminal Expansion Kit, 15 rxn, Part Number G7515B | | |
| Part No. (Chemical Kit) | : G7515B | | |
| Part No. | SureVector T7 E. coli Promoter | 5190-8104 | |
| | SureVector Tac E. coli Promoter | 5190-8606 | |
| | SureVector Rhamnose E. coli Promoter | 5190-8607 | |
| | SureVector HA Expression Tag (C-Term) | 5190-8614 | |
| | SureVector c-Myc Expression Tag (C-term) | 5190-8615 | |
| | SureVector HIS6 Expression Tag (C-term) | 5190-8616 | |
| | SureVector CBP Expression Tag (C-Term) | 5190-8617 | |
| | SureVector SBP Expression Tag (C-term) | 5190-8618 | |
| | SureVector Thioredoxin Expression Tag (C-Term) | 5190-8619 | |
| | SureVector LacZ E. coli Control (C-term) | 5190-8620 | |

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

Analytical reagent.

| | |
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| SureVector T7 E. coli Promoter | 0.03 ml (15 reactions) |
| SureVector Tac E. coli Promoter | 0.03 ml (15 reactions) |
| SureVector Rhamnose E. coli Promoter | 0.03 ml (15 reactions) |
| SureVector HA Expression Tag (C-Term) | 0.03 ml (15 reactions) |
| SureVector c-Myc Expression Tag (C-term) | 0.03 ml (15 reactions) |
| SureVector HIS6 Expression Tag (C-Term) | 0.03 ml (15 reactions) |
| SureVector CBP Expression Tag (C-Term) | 0.03 ml (15 reactions) |
| SureVector SBP Expression Tag (C-term) | 0.03 ml (15 reactions) |
| SureVector Thioredoxin Expression Tag (C-Term) | 0.03 ml (15 reactions) |
| SureVector LacZ E. coli Control (C-term) | 0.03 ml (15 reactions) |

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

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

Section 2. Hazard(s) identification

Classification of the substance or mixture

Not classified.

GHS label elements

| | | |
|--------------------|--|-----------------|
| Signal word | SureVector T7 E. coli Promoter | No signal word. |
| | SureVector Tac E. coli Promoter | No signal word. |
| | SureVector Rhamnose E. coli Promoter | No signal word. |
| | SureVector HA Expression Tag (C-Term) | No signal word. |
| | SureVector c-Myc Expression Tag (C-term) | No signal word. |

Section 2. Hazard(s) identification

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|---------------------------------|--|---|
| | SureVector HIS6 Expression Tag (C-Term) | No signal word. |
| | SureVector CBP Expression Tag (C-Term) | No signal word. |
| | SureVector SBP Expression Tag (C-term) | No signal word. |
| | SureVector Thioredoxin Expression Tag (C-Term) | No signal word. |
| | SureVector LacZ E. coli Control (C-term) | No signal word. |
| Hazard statements | : <input checked="" type="checkbox"/> SureVector T7 E. coli Promoter | No known significant effects or critical hazards. |
| | SureVector Tac E. coli Promoter | No known significant effects or critical hazards. |
| | SureVector Rhamnose E. coli Promoter | No known significant effects or critical hazards. |
| | SureVector HA Expression Tag (C-Term) | No known significant effects or critical hazards. |
| | SureVector c-Myc Expression Tag (C-term) | No known significant effects or critical hazards. |
| | SureVector HIS6 Expression Tag (C-Term) | No known significant effects or critical hazards. |
| | SureVector CBP Expression Tag (C-Term) | No known significant effects or critical hazards. |
| | SureVector SBP Expression Tag (C-term) | No known significant effects or critical hazards. |
| | SureVector Thioredoxin Expression Tag (C-Term) | No known significant effects or critical hazards. |
| | SureVector LacZ E. coli Control (C-term) | No known significant effects or critical hazards. |
| Precautionary statements | | |
| Prevention | : <input checked="" type="checkbox"/> SureVector T7 E. coli Promoter | Not applicable. |
| | SureVector Tac E. coli Promoter | Not applicable. |
| | SureVector Rhamnose E. coli Promoter | Not applicable. |
| | SureVector HA Expression Tag (C-Term) | Not applicable. |
| | SureVector c-Myc Expression Tag (C-term) | Not applicable. |
| | SureVector HIS6 Expression Tag (C-Term) | Not applicable. |
| | SureVector CBP Expression Tag (C-Term) | Not applicable. |
| | SureVector SBP Expression Tag (C-term) | Not applicable. |
| | SureVector Thioredoxin Expression Tag (C-Term) | Not applicable. |
| | SureVector LacZ E. coli Control (C-term) | Not applicable. |
| Response | : <input checked="" type="checkbox"/> SureVector T7 E. coli Promoter | Not applicable. |
| | SureVector Tac E. coli Promoter | Not applicable. |
| | SureVector Rhamnose E. coli Promoter | Not applicable. |
| | SureVector HA Expression Tag (C-Term) | Not applicable. |
| | SureVector c-Myc Expression Tag (C-term) | Not applicable. |
| | SureVector HIS6 Expression | Not applicable. |

Section 2. Hazard(s) identification

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|------------------------------------|---|---|-----------------|
| | | Tag (C-Term) | |
| | | SureVector CBP Expression | Not applicable. |
| | | Tag (C-Term) | |
| | | SureVector SBP Expression | Not applicable. |
| | | Tag (C-term) | |
| | | SureVector Thioredoxin | Not applicable. |
| | | Expression Tag (C-Term) | |
| | | SureVector LacZ E. coli | Not applicable. |
| | | Control (C-term) | |
| Storage | : | <input checked="" type="checkbox"/> SureVector T7 E. coli | Not applicable. |
| | | Promoter | |
| | | SureVector Tac E. coli | Not applicable. |
| | | Promoter | |
| | | SureVector Rhamnose E. coli | Not applicable. |
| | | Promoter | |
| | | SureVector HA Expression | Not applicable. |
| | | Tag (C-Term) | |
| | | SureVector c-Myc | Not applicable. |
| | | Expression Tag (C-term) | |
| | | SureVector HIS6 Expression | Not applicable. |
| | | Tag (C-Term) | |
| | | SureVector CBP Expression | Not applicable. |
| | | Tag (C-Term) | |
| | | SureVector SBP Expression | Not applicable. |
| | | Tag (C-term) | |
| | | SureVector Thioredoxin | Not applicable. |
| | | Expression Tag (C-Term) | |
| | | SureVector LacZ E. coli | Not applicable. |
| | | Control (C-term) | |
| Disposal | : | <input checked="" type="checkbox"/> SureVector T7 E. coli | Not applicable. |
| | | Promoter | |
| | | SureVector Tac E. coli | Not applicable. |
| | | Promoter | |
| | | SureVector Rhamnose E. coli | Not applicable. |
| | | Promoter | |
| | | SureVector HA Expression | Not applicable. |
| | | Tag (C-Term) | |
| | | SureVector c-Myc | Not applicable. |
| | | Expression Tag (C-term) | |
| | | SureVector HIS6 Expression | Not applicable. |
| | | Tag (C-Term) | |
| | | SureVector CBP Expression | Not applicable. |
| | | Tag (C-Term) | |
| | | SureVector SBP Expression | Not applicable. |
| | | Tag (C-term) | |
| | | SureVector Thioredoxin | Not applicable. |
| | | Expression Tag (C-Term) | |
| | | SureVector LacZ E. coli | Not applicable. |
| | | Control (C-term) | |
| Supplemental label elements | : | <input checked="" type="checkbox"/> SureVector T7 E. coli | Not applicable. |
| | | Promoter | |
| | | SureVector Tac E. coli | Not applicable. |
| | | Promoter | |
| | | SureVector Rhamnose E. coli | Not applicable. |
| | | Promoter | |
| | | SureVector HA Expression | Not applicable. |
| | | Tag (C-Term) | |
| | | SureVector c-Myc | Not applicable. |
| | | Expression Tag (C-term) | |
| | | SureVector HIS6 Expression | Not applicable. |
| | | Tag (C-Term) | |
| | | SureVector CBP Expression | Not applicable. |
| | | Tag (C-Term) | |

Section 2. Hazard(s) identification

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|--|-----------------|
| SureVector SBP Expression Tag (C-term) | Not applicable. |
| SureVector Thioredoxin Expression Tag (C-Term) | Not applicable. |
| SureVector LacZ E. coli Control (C-term) | Not applicable. |

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| Other hazards which do not result in classification | <input checked="" type="checkbox"/> SureVector T7 E. coli Promoter | None known. |
| | SureVector Tac E. coli Promoter | None known. |
| | SureVector Rhamnose E. coli Promoter | None known. |
| | SureVector HA Expression Tag (C-Term) | None known. |
| | SureVector c-Myc Expression Tag (C-term) | None known. |
| | SureVector HIS6 Expression Tag (C-Term) | None known. |
| | SureVector CBP Expression Tag (C-Term) | None known. |
| | SureVector SBP Expression Tag (C-term) | None known. |
| | SureVector Thioredoxin Expression Tag (C-Term) | None known. |
| | SureVector LacZ E. coli Control (C-term) | None known. |

Section 3. Composition and ingredient information

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|--------------------------|--|---------|
| Substance/mixture | <input checked="" type="checkbox"/> SureVector T7 E. coli Promoter | Mixture |
| | SureVector Tac E. coli Promoter | Mixture |
| | SureVector Rhamnose E. coli Promoter | Mixture |
| | SureVector HA Expression Tag (C-Term) | Mixture |
| | SureVector c-Myc Expression Tag (C-term) | Mixture |
| | SureVector HIS6 Expression Tag (C-Term) | Mixture |
| | SureVector CBP Expression Tag (C-Term) | Mixture |
| | SureVector SBP Expression Tag (C-term) | Mixture |
| | SureVector Thioredoxin Expression Tag (C-Term) | Mixture |
| | SureVector LacZ E. coli Control (C-term) | Mixture |

CAS number/other identifiers

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

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

Section 4. First aid measures

Description of necessary first aid measures

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| Eye contact | : SureVector T7 E. coli Promoter | 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. |
| | SureVector Tac E. coli Promoter | 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. |
| | SureVector Rhamnose E. coli Promoter | 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. |
| | SureVector HA Expression Tag (C-Term) | 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. |
| | SureVector c-Myc Expression Tag (C-term) | 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. |
| | SureVector HIS6 Expression Tag (C-Term) | 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. |
| | SureVector CBP Expression Tag (C-Term) | 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. |
| | SureVector SBP Expression Tag (C-term) | 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. |
| | SureVector Thioredoxin Expression Tag (C-Term) | 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. |
| | SureVector LacZ E. coli Control (C-term) | 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 | : SureVector T7 E. coli Promoter | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. |
| | SureVector Tac E. coli Promoter | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. |
| | SureVector Rhamnose E. coli Promoter | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. |
| | SureVector HA Expression Tag (C-Term) | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. |
| | SureVector c-Myc Expression Tag (C-term) | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. |
| | SureVector HIS6 Expression Tag (C-Term) | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. |
| | SureVector CBP Expression Tag (C-Term) | 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

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| | SureVector SBP Expression Tag (C-term) | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. |
| | SureVector Thioredoxin Expression Tag (C-Term) | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. |
| | SureVector LacZ E. coli Control (C-term) | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. |
| Skin contact | : SureVector T7 E. coli Promoter | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. |
| | SureVector Tac E. coli Promoter | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. |
| | SureVector Rhamnose E. coli Promoter | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. |
| | SureVector HA Expression Tag (C-Term) | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. |
| | SureVector c-Myc Expression Tag (C-term) | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. |
| | SureVector HIS6 Expression Tag (C-Term) | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. |
| | SureVector CBP Expression Tag (C-Term) | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. |
| | SureVector SBP Expression Tag (C-term) | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. |
| | SureVector Thioredoxin Expression Tag (C-Term) | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. |
| | SureVector LacZ E. coli Control (C-term) | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. |
| Ingestion | : SureVector T7 E. coli Promoter | 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. |
| | SureVector Tac E. coli Promoter | 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. |
| | SureVector Rhamnose E. coli Promoter | 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. |
| | SureVector HA Expression Tag (C-Term) | 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 |

Section 4. First aid measures

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|--|---|
| SureVector c-Myc Expression Tag (C-term) | 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. |
| SureVector HIS6 Expression Tag (C-Term) | 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. |
| SureVector CBP Expression Tag (C-Term) | 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. |
| SureVector SBP Expression Tag (C-term) | 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. |
| SureVector Thioredoxin Expression Tag (C-Term) | 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. |
| SureVector LacZ E. coli Control (C-term) | Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur. |

Most important symptoms/effects, acute and delayed

Potential acute health effects

| | | |
|--------------------|--|---|
| Eye contact | : SureVector T7 E. coli Promoter | No known significant effects or critical hazards. |
| | SureVector Tac E. coli Promoter | No known significant effects or critical hazards. |
| | SureVector Rhamnose E. coli Promoter | No known significant effects or critical hazards. |
| | SureVector HA Expression Tag (C-Term) | No known significant effects or critical hazards. |
| | SureVector c-Myc Expression Tag (C-term) | No known significant effects or critical hazards. |
| | SureVector HIS6 Expression Tag (C-Term) | No known significant effects or critical hazards. |
| | SureVector CBP Expression | No known significant effects or critical hazards. |

Section 4. First aid measures

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|---------------------|--|---|
| | Tag (C-Term) | |
| | SureVector SBP Expression Tag (C-term) | No known significant effects or critical hazards. |
| | SureVector Thioredoxin Expression Tag (C-Term) | No known significant effects or critical hazards. |
| | SureVector LacZ E. coli Control (C-term) | No known significant effects or critical hazards. |
| Inhalation | : SureVector T7 E. coli Promoter | No known significant effects or critical hazards. |
| | SureVector Tac E. coli Promoter | No known significant effects or critical hazards. |
| | SureVector Rhamnose E. coli Promoter | No known significant effects or critical hazards. |
| | SureVector HA Expression Tag (C-Term) | No known significant effects or critical hazards. |
| | SureVector c-Myc Expression Tag (C-term) | No known significant effects or critical hazards. |
| | SureVector HIS6 Expression Tag (C-Term) | No known significant effects or critical hazards. |
| | SureVector CBP Expression Tag (C-Term) | No known significant effects or critical hazards. |
| | SureVector SBP Expression Tag (C-term) | No known significant effects or critical hazards. |
| | SureVector Thioredoxin Expression Tag (C-Term) | No known significant effects or critical hazards. |
| | SureVector LacZ E. coli Control (C-term) | No known significant effects or critical hazards. |
| Skin contact | : SureVector T7 E. coli Promoter | No known significant effects or critical hazards. |
| | SureVector Tac E. coli Promoter | No known significant effects or critical hazards. |
| | SureVector Rhamnose E. coli Promoter | No known significant effects or critical hazards. |
| | SureVector HA Expression Tag (C-Term) | No known significant effects or critical hazards. |
| | SureVector c-Myc Expression Tag (C-term) | No known significant effects or critical hazards. |
| | SureVector HIS6 Expression Tag (C-Term) | No known significant effects or critical hazards. |
| | SureVector CBP Expression Tag (C-Term) | No known significant effects or critical hazards. |
| | SureVector SBP Expression Tag (C-term) | No known significant effects or critical hazards. |
| | SureVector Thioredoxin Expression Tag (C-Term) | No known significant effects or critical hazards. |
| | SureVector LacZ E. coli Control (C-term) | No known significant effects or critical hazards. |
| Ingestion | : SureVector T7 E. coli Promoter | No known significant effects or critical hazards. |
| | SureVector Tac E. coli Promoter | No known significant effects or critical hazards. |
| | SureVector Rhamnose E. coli Promoter | No known significant effects or critical hazards. |
| | SureVector HA Expression Tag (C-Term) | No known significant effects or critical hazards. |
| | SureVector c-Myc Expression Tag (C-term) | No known significant effects or critical hazards. |
| | SureVector HIS6 Expression Tag (C-Term) | No known significant effects or critical hazards. |
| | SureVector CBP Expression Tag (C-Term) | No known significant effects or critical hazards. |
| | SureVector SBP Expression Tag (C-term) | No known significant effects or critical hazards. |

Section 4. First aid measures

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|--|---|
| SureVector Thioredoxin Expression Tag (C-Term) | No known significant effects or critical hazards. |
| SureVector LacZ E. coli Control (C-term) | No known significant effects or critical hazards. |

Over-exposure signs/symptoms

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|--|--|---------------------------------------|-------------------|
| Eye contact | : SureVector T7 E. coli Promoter | No specific data. | |
| | SureVector Tac E. coli Promoter | No specific data. | |
| | SureVector Rhamnose E. coli Promoter | No specific data. | |
| | SureVector HA Expression Tag (C-Term) | No specific data. | |
| | SureVector c-Myc Expression Tag (C-term) | No specific data. | |
| | SureVector HIS6 Expression Tag (C-Term) | No specific data. | |
| | SureVector CBP Expression Tag (C-Term) | No specific data. | |
| | SureVector SBP Expression Tag (C-term) | No specific data. | |
| | SureVector Thioredoxin Expression Tag (C-Term) | No specific data. | |
| | SureVector LacZ E. coli Control (C-term) | No specific data. | |
| | Inhalation | : SureVector T7 E. coli Promoter | No specific data. |
| | | SureVector Tac E. coli Promoter | No specific data. |
| | | SureVector Rhamnose E. coli Promoter | No specific data. |
| | | SureVector HA Expression Tag (C-Term) | No specific data. |
| SureVector c-Myc Expression Tag (C-term) | | No specific data. | |
| SureVector HIS6 Expression Tag (C-Term) | | No specific data. | |
| SureVector CBP Expression Tag (C-Term) | | No specific data. | |
| SureVector SBP Expression Tag (C-term) | | No specific data. | |
| SureVector Thioredoxin Expression Tag (C-Term) | | No specific data. | |
| SureVector LacZ E. coli Control (C-term) | | No specific data. | |
| Skin contact | | : SureVector T7 E. coli Promoter | No specific data. |
| | | SureVector Tac E. coli Promoter | No specific data. |
| | | SureVector Rhamnose E. coli Promoter | No specific data. |
| | | SureVector HA Expression Tag (C-Term) | No specific data. |
| | SureVector c-Myc Expression Tag (C-term) | No specific data. | |
| | SureVector HIS6 Expression Tag (C-Term) | No specific data. | |
| | SureVector CBP Expression Tag (C-Term) | No specific data. | |
| | SureVector SBP Expression Tag (C-term) | No specific data. | |
| | SureVector Thioredoxin Expression Tag (C-Term) | No specific data. | |

Section 4. First aid measures

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|------------------|---|--|-------------------|
| Ingestion | : | SureVector LacZ E. coli Control (C-term) | No specific data. |
| | : | SureVector T7 E. coli Promoter | No specific data. |
| | : | SureVector Tac E. coli Promoter | No specific data. |
| | : | SureVector Rhamnose E. coli Promoter | No specific data. |
| | : | SureVector HA Expression Tag (C-Term) | No specific data. |
| | : | SureVector c-Myc Expression Tag (C-term) | No specific data. |
| | : | SureVector HIS6 Expression Tag (C-Term) | No specific data. |
| | : | SureVector CBP Expression Tag (C-Term) | No specific data. |
| | : | SureVector SBP Expression Tag (C-term) | No specific data. |
| | : | SureVector Thioredoxin Expression Tag (C-Term) | No specific data. |
| | : | SureVector LacZ E. coli Control (C-term) | No specific data. |

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

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|---------------------------|---|--|---|
| Notes to physician | : | SureVector T7 E. coli Promoter | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. |
| | : | SureVector Tac E. coli Promoter | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. |
| | : | SureVector Rhamnose E. coli Promoter | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. |
| | : | SureVector HA Expression Tag (C-Term) | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. |
| | : | SureVector c-Myc Expression Tag (C-term) | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. |
| | : | SureVector HIS6 Expression Tag (C-Term) | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. |
| | : | SureVector CBP Expression Tag (C-Term) | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. |
| | : | SureVector SBP Expression Tag (C-term) | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. |
| | : | SureVector Thioredoxin Expression Tag (C-Term) | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. |
| | : | SureVector LacZ E. coli Control (C-term) | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. |

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|----------------------------|---|---------------------------------------|------------------------|
| Specific treatments | : | SureVector T7 E. coli Promoter | No specific treatment. |
| | : | SureVector Tac E. coli Promoter | No specific treatment. |
| | : | SureVector Rhamnose E. coli Promoter | No specific treatment. |
| | : | SureVector HA Expression Tag (C-Term) | No specific treatment. |

Section 4. First aid measures

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|-----------------------------------|--|--|
| | SureVector c-Myc Expression Tag (C-term) | No specific treatment. |
| | SureVector HIS6 Expression Tag (C-Term) | No specific treatment. |
| | SureVector CBP Expression Tag (C-Term) | No specific treatment. |
| | SureVector SBP Expression Tag (C-term) | No specific treatment. |
| | SureVector Thioredoxin Expression Tag (C-Term) | No specific treatment. |
| | SureVector LacZ E. coli Control (C-term) | No specific treatment. |
| Protection of first-aiders | : SureVector T7 E. coli Promoter | No action shall be taken involving any personal risk or without suitable training. |
| | SureVector Tac E. coli Promoter | No action shall be taken involving any personal risk or without suitable training. |
| | SureVector Rhamnose E. coli Promoter | No action shall be taken involving any personal risk or without suitable training. |
| | SureVector HA Expression Tag (C-Term) | No action shall be taken involving any personal risk or without suitable training. |
| | SureVector c-Myc Expression Tag (C-term) | No action shall be taken involving any personal risk or without suitable training. |
| | SureVector HIS6 Expression Tag (C-Term) | No action shall be taken involving any personal risk or without suitable training. |
| | SureVector CBP Expression Tag (C-Term) | No action shall be taken involving any personal risk or without suitable training. |
| | SureVector SBP Expression Tag (C-term) | No action shall be taken involving any personal risk or without suitable training. |
| | SureVector Thioredoxin Expression Tag (C-Term) | No action shall be taken involving any personal risk or without suitable training. |
| | SureVector LacZ E. coli Control (C-term) | No action shall be taken involving any personal risk or without suitable training. |

See toxicological information (Section 11)

Section 5. Firefighting measures

Extinguishing media

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| Suitable extinguishing media | : SureVector T7 E. coli Promoter | Use an extinguishing agent suitable for the surrounding fire. |
| | SureVector Tac E. coli Promoter | Use an extinguishing agent suitable for the surrounding fire. |
| | SureVector Rhamnose E. coli Promoter | Use an extinguishing agent suitable for the surrounding fire. |
| | SureVector HA Expression Tag (C-Term) | Use an extinguishing agent suitable for the surrounding fire. |
| | SureVector c-Myc Expression Tag (C-term) | Use an extinguishing agent suitable for the surrounding fire. |
| | SureVector HIS6 Expression Tag (C-Term) | Use an extinguishing agent suitable for the surrounding fire. |
| | SureVector CBP Expression Tag (C-Term) | Use an extinguishing agent suitable for the surrounding fire. |
| | SureVector SBP Expression Tag (C-term) | Use an extinguishing agent suitable for the surrounding fire. |
| | SureVector Thioredoxin Expression Tag (C-Term) | Use an extinguishing agent suitable for the surrounding fire. |
| | SureVector LacZ E. coli Control (C-term) | Use an extinguishing agent suitable for the surrounding fire. |

Section 5. Firefighting measures

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| Unsuitable extinguishing media | : SureVector T7 E. coli Promoter SureVector Tac E. coli Promoter SureVector Rhamnose E. coli Promoter SureVector HA Expression Tag (C-Term) SureVector c-Myc Expression Tag (C-term) SureVector HIS6 Expression Tag (C-Term) SureVector CBP Expression Tag (C-Term) SureVector SBP Expression Tag (C-term) SureVector Thioredoxin Expression Tag (C-Term) SureVector LacZ E. coli Control (C-term) | None known. None known. None known. None known. None known. None known. None known. None known. None known. None known. None known. None known. |
| Specific hazards arising from the chemical | : SureVector T7 E. coli Promoter SureVector Tac E. coli Promoter SureVector Rhamnose E. coli Promoter SureVector HA Expression Tag (C-Term) SureVector c-Myc Expression Tag (C-term) SureVector HIS6 Expression Tag (C-Term) SureVector CBP Expression Tag (C-Term) SureVector SBP Expression Tag (C-term) SureVector Thioredoxin Expression Tag (C-Term) SureVector LacZ E. coli Control (C-term) | In a fire or if heated, a pressure increase will occur and the container may burst. In a fire or if heated, a pressure increase will occur and the container may burst. In a fire or if heated, a pressure increase will occur and the container may burst. In a fire or if heated, a pressure increase will occur and the container may burst. In a fire or if heated, a pressure increase will occur and the container may burst. In a fire or if heated, a pressure increase will occur and the container may burst. In a fire or if heated, a pressure increase will occur and the container may burst. In a fire or if heated, a pressure increase will occur and the container may burst. In a fire or if heated, a pressure increase will occur and the container may burst. In a fire or if heated, a pressure increase will occur and the container may burst. In a fire or if heated, a pressure increase will occur and the container may burst. |
| Hazardous thermal decomposition products | : SureVector T7 E. coli Promoter SureVector Tac E. coli Promoter SureVector Rhamnose E. coli Promoter SureVector HA Expression Tag (C-Term) SureVector c-Myc Expression Tag (C-term) SureVector HIS6 Expression Tag (C-Term) SureVector CBP Expression Tag (C-Term) SureVector SBP Expression Tag (C-term) SureVector Thioredoxin Expression Tag (C-Term) SureVector LacZ E. coli Control (C-term) | No specific data. No specific data. No specific data. No specific data. No specific data. No specific data. No specific data. No specific data. No specific data. No specific data. |

Section 5. Firefighting measures

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| Special protective actions for fire-fighters | : SureVector T7 E. coli Promoter | 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. |
| | SureVector Tac E. coli Promoter | 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. |
| | SureVector Rhamnose E. coli Promoter | 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. |
| | SureVector HA Expression Tag (C-Term) | 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. |
| | SureVector c-Myc Expression Tag (C-term) | 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. |
| | SureVector HIS6 Expression Tag (C-Term) | 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. |
| | SureVector CBP Expression Tag (C-Term) | 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. |
| | SureVector SBP Expression Tag (C-term) | 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. |
| | SureVector Thioredoxin Expression Tag (C-Term) | 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. |
| | SureVector LacZ E. coli Control (C-term) | Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. |
| Special protective equipment for fire-fighters | : SureVector T7 E. coli Promoter | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. |
| | SureVector Tac E. coli Promoter | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. |
| | SureVector Rhamnose E. coli Promoter | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. |
| | SureVector HA Expression Tag (C-Term) | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. |
| | SureVector c-Myc Expression Tag (C-term) | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. |
| | SureVector HIS6 Expression Tag (C-Term) | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive |

Section 5. Firefighting measures

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| SureVector CBP Expression Tag (C-Term) | pressure mode. Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. |
| SureVector SBP Expression Tag (C-term) | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. |
| SureVector Thioredoxin Expression Tag (C-Term) | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. |
| SureVector LacZ E. coli Control (C-term) | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. |

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

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| : SureVector T7 E. coli Promoter | 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. |
| SureVector Tac E. coli Promoter | 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. |
| SureVector Rhamnose E. coli Promoter | 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. |
| SureVector HA Expression Tag (C-Term) | 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. |
| SureVector c-Myc Expression Tag (C-term) | 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. |
| SureVector HIS6 Expression Tag (C-Term) | 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. |
| SureVector CBP Expression Tag (C-Term) | 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. |

Section 6. Accidental release measures

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| SureVector SBP Expression Tag (C-term) | 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. |
| SureVector Thioredoxin Expression Tag (C-Term) | 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. |
| SureVector LacZ E. coli Control (C-term) | No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment. |
| For emergency responders : SureVector T7 E. coli Promoter | 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". |
| SureVector Tac E. coli Promoter | 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". |
| SureVector Rhamnose E. coli Promoter | 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". |
| SureVector HA Expression Tag (C-Term) | 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". |
| SureVector c-Myc Expression Tag (C-term) | 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". |
| SureVector HIS6 Expression Tag (C-Term) | 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". |
| SureVector CBP Expression Tag (C-Term) | 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". |
| SureVector SBP Expression Tag (C-term) | 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". |
| SureVector Thioredoxin Expression Tag (C-Term) | 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". |
| SureVector LacZ E. coli Control (C-term) | 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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| Environmental precautions | : SureVector T7 E. coli Promoter | 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). |
| | SureVector Tac E. coli Promoter | 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). |
| | SureVector Rhamnose E. coli Promoter | 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). |
| | SureVector HA Expression Tag (C-Term) | 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). |
| | SureVector c-Myc Expression Tag (C-term) | 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). |
| | SureVector HIS6 Expression Tag (C-Term) | 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). |
| | SureVector CBP Expression Tag (C-Term) | 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). |
| | SureVector SBP Expression Tag (C-term) | 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). |
| | SureVector Thioredoxin Expression Tag (C-Term) | 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). |
| | SureVector LacZ E. coli Control (C-term) | 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). |

Methods and material for containment and cleaning up

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| Methods for cleaning up | : SureVector T7 E. coli Promoter | 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. |
| | SureVector Tac E. coli Promoter | 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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| SureVector Rhamnose E. coli Promoter | disposal contractor. 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. |
| SureVector HA Expression Tag (C-Term) | 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. |
| SureVector c-Myc Expression Tag (C-term) | 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. |
| SureVector HIS6 Expression Tag (C-Term) | 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. |
| SureVector CBP Expression Tag (C-Term) | 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. |
| SureVector SBP Expression Tag (C-term) | 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. |
| SureVector Thioredoxin Expression Tag (C-Term) | 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. |
| SureVector LacZ E. coli Control (C-term) | Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor. |

Section 7. Handling and storage

Precautions for safe handling

| | | | |
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| Protective measures | : | <ul style="list-style-type: none"> ☑ SureVector T7 E. coli Promoter SureVector Tac E. coli Promoter SureVector Rhamnose E. coli Promoter SureVector HA Expression Tag (C-Term) SureVector c-Myc Expression Tag (C-term) | <ul style="list-style-type: none"> Put on appropriate personal protective equipment (see Section 8). Put on appropriate personal protective equipment (see Section 8). Put on appropriate personal protective equipment (see Section 8). Put on appropriate personal protective equipment (see Section 8). Put on appropriate personal protective equipment (see Section 8). |
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Section 7. Handling and storage

Advice on general occupational hygiene

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|--|---|
| SureVector HIS6 Expression Tag (C-Term) | Put on appropriate personal protective equipment (see Section 8). |
| SureVector CBP Expression Tag (C-Term) | Put on appropriate personal protective equipment (see Section 8). |
| SureVector SBP Expression Tag (C-term) | Put on appropriate personal protective equipment (see Section 8). |
| SureVector Thioredoxin Expression Tag (C-Term) | Put on appropriate personal protective equipment (see Section 8). |
| SureVector LacZ E. coli Control (C-term) | Put on appropriate personal protective equipment (see Section 8). |
| : SureVector T7 E. coli Promoter | 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. |
| SureVector Tac E. coli Promoter | 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. |
| SureVector Rhamnose E. coli Promoter | 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. |
| SureVector HA Expression Tag (C-Term) | 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. |
| SureVector c-Myc Expression Tag (C-term) | 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. |
| SureVector HIS6 Expression Tag (C-Term) | 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. |
| SureVector CBP Expression Tag (C-Term) | 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. |
| SureVector SBP Expression Tag (C-term) | 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 |

Section 7. Handling and storage

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| | SureVector Thioredoxin Expression Tag (C-Term) | 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. |
| | SureVector LacZ E. coli Control (C-term) | 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>Conditions for safe storage, including any incompatibilities</p> | SureVector T7 E. coli Promoter | 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. |
| | SureVector Tac E. coli Promoter | 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. |
| | SureVector Rhamnose E. coli Promoter | 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. |
| | SureVector HA Expression Tag (C-Term) | 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. |
| | SureVector c-Myc Expression Tag (C-term) | 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 |

Section 7. Handling and storage

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| | 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. |
| SureVector HIS6 Expression Tag (C-Term) | 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. |
| SureVector CBP Expression Tag (C-Term) | 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. |
| SureVector SBP Expression Tag (C-term) | 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. |
| SureVector Thioredoxin Expression Tag (C-Term) | 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. |
| SureVector LacZ E. coli Control (C-term) | 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. |

Section 8. Exposure controls and personal protection

Control parameters

Occupational exposure limits

None.

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

Individual protection measures

- Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
- Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.
- Skin protection**
- Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
- Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Section 9. Physical and chemical properties

Appearance

- Physical state** :
- | | |
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| SureVector T7 E. coli Promoter | Liquid. |
| SureVector Tac E. coli Promoter | Liquid. |
| SureVector Rhamnose E. coli Promoter | Liquid. |
| SureVector HA Expression Tag (C-Term) | Liquid. |
| SureVector c-Myc Expression Tag (C-term) | Liquid. |
| SureVector HIS6 Expression Tag (C-Term) | Liquid. |
| SureVector CBP Expression Tag (C-Term) | Liquid. |
| SureVector SBP Expression Tag (C-term) | Liquid. |
| SureVector Thioredoxin Expression Tag (C-Term) | Liquid. |
| SureVector LacZ E. coli | Liquid. |

Section 9. Physical and chemical properties

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| | | Control (C-term) | |
| Colour | : | <input checked="" type="checkbox"/> SureVector T7 E. coli Promoter | Not available. |
| | | SureVector Tac E. coli Promoter | Not available. |
| | | SureVector Rhamnose E. coli Promoter | Not available. |
| | | SureVector HA Expression Tag (C-Term) | Not available. |
| | | SureVector c-Myc Expression Tag (C-term) | Not available. |
| | | SureVector HIS6 Expression Tag (C-Term) | Not available. |
| | | SureVector CBP Expression Tag (C-Term) | Not available. |
| | | SureVector SBP Expression Tag (C-term) | Not available. |
| | | SureVector Thioredoxin Expression Tag (C-Term) | Not available. |
| | | SureVector LacZ E. coli Control (C-term) | Not available. |
| Odour | : | <input checked="" type="checkbox"/> SureVector T7 E. coli Promoter | Not available. |
| | | SureVector Tac E. coli Promoter | Not available. |
| | | SureVector Rhamnose E. coli Promoter | Not available. |
| | | SureVector HA Expression Tag (C-Term) | Not available. |
| | | SureVector c-Myc Expression Tag (C-term) | Not available. |
| | | SureVector HIS6 Expression Tag (C-Term) | Not available. |
| | | SureVector CBP Expression Tag (C-Term) | Not available. |
| | | SureVector SBP Expression Tag (C-term) | Not available. |
| | | SureVector Thioredoxin Expression Tag (C-Term) | Not available. |
| | | SureVector LacZ E. coli Control (C-term) | Not available. |
| Odour threshold | : | <input checked="" type="checkbox"/> SureVector T7 E. coli Promoter | Not available. |
| | | SureVector Tac E. coli Promoter | Not available. |
| | | SureVector Rhamnose E. coli Promoter | Not available. |
| | | SureVector HA Expression Tag (C-Term) | Not available. |
| | | SureVector c-Myc Expression Tag (C-term) | Not available. |
| | | SureVector HIS6 Expression Tag (C-Term) | Not available. |
| | | SureVector CBP Expression Tag (C-Term) | Not available. |
| | | SureVector SBP Expression Tag (C-term) | Not available. |
| | | SureVector Thioredoxin Expression Tag (C-Term) | Not available. |
| | | SureVector LacZ E. coli Control (C-term) | Not available. |
| pH | : | | |

Section 9. Physical and chemical properties

| | |
|--|---|
| ☑ SureVector T7 E. coli Promoter | 8 |
| SureVector Tac E. coli Promoter | 8 |
| SureVector Rhamnose E. coli Promoter | 8 |
| SureVector HA Expression Tag (C-Term) | 8 |
| SureVector c-Myc Expression Tag (C-term) | 8 |
| SureVector HIS6 Expression Tag (C-Term) | 8 |
| SureVector CBP Expression Tag (C-Term) | 8 |
| SureVector SBP Expression Tag (C-term) | 8 |
| SureVector Thioredoxin Expression Tag (C-Term) | 8 |
| SureVector LacZ E. coli Control (C-term) | 8 |

Melting point

| | |
|--|------------|
| ☑ SureVector T7 E. coli Promoter | 0°C (32°F) |
| SureVector Tac E. coli Promoter | 0°C (32°F) |
| SureVector Rhamnose E. coli Promoter | 0°C (32°F) |
| SureVector HA Expression Tag (C-Term) | 0°C (32°F) |
| SureVector c-Myc Expression Tag (C-term) | 0°C (32°F) |
| SureVector HIS6 Expression Tag (C-Term) | 0°C (32°F) |
| SureVector CBP Expression Tag (C-Term) | 0°C (32°F) |
| SureVector SBP Expression Tag (C-term) | 0°C (32°F) |
| SureVector Thioredoxin Expression Tag (C-Term) | 0°C (32°F) |
| SureVector LacZ E. coli Control (C-term) | 0°C (32°F) |

Boiling point

| | |
|--|---------------|
| ☑ SureVector T7 E. coli Promoter | 100°C (212°F) |
| SureVector Tac E. coli Promoter | 100°C (212°F) |
| SureVector Rhamnose E. coli Promoter | 100°C (212°F) |
| SureVector HA Expression Tag (C-Term) | 100°C (212°F) |
| SureVector c-Myc Expression Tag (C-term) | 100°C (212°F) |
| SureVector HIS6 Expression Tag (C-Term) | 100°C (212°F) |
| SureVector CBP Expression Tag (C-Term) | 100°C (212°F) |
| SureVector SBP Expression Tag (C-term) | 100°C (212°F) |
| SureVector Thioredoxin Expression Tag (C-Term) | 100°C (212°F) |
| SureVector LacZ E. coli Control (C-term) | 100°C (212°F) |

Section 9. Physical and chemical properties

| | | | |
|----------------------------------|---------------------------------------|--|-----------------|
| Flash point | : <input checked="" type="checkbox"/> | SureVector T7 E. coli Promoter | Not available. |
| | | SureVector Tac E. coli Promoter | Not available. |
| | | SureVector Rhamnose E. coli Promoter | Not available. |
| | | SureVector HA Expression Tag (C-Term) | Not available. |
| | | SureVector c-Myc Expression Tag (C-term) | Not available. |
| | | SureVector HIS6 Expression Tag (C-Term) | Not available. |
| | | SureVector CBP Expression Tag (C-Term) | Not available. |
| | | SureVector SBP Expression Tag (C-term) | Not available. |
| | | SureVector Thioredoxin Expression Tag (C-Term) | Not available. |
| | | SureVector LacZ E. coli Control (C-term) | Not available. |
| Evaporation rate | : <input checked="" type="checkbox"/> | SureVector T7 E. coli Promoter | Not available. |
| | | SureVector Tac E. coli Promoter | Not available. |
| | | SureVector Rhamnose E. coli Promoter | Not available. |
| | | SureVector HA Expression Tag (C-Term) | Not available. |
| | | SureVector c-Myc Expression Tag (C-term) | Not available. |
| | | SureVector HIS6 Expression Tag (C-Term) | Not available. |
| | | SureVector CBP Expression Tag (C-Term) | Not available. |
| | | SureVector SBP Expression Tag (C-term) | Not available. |
| | | SureVector Thioredoxin Expression Tag (C-Term) | Not available. |
| | | SureVector LacZ E. coli Control (C-term) | Not available. |
| Flammability (solid, gas) | : <input checked="" type="checkbox"/> | SureVector T7 E. coli Promoter | Not applicable. |
| | | SureVector Tac E. coli Promoter | Not applicable. |
| | | SureVector Rhamnose E. coli Promoter | Not applicable. |
| | | SureVector HA Expression Tag (C-Term) | Not applicable. |
| | | SureVector c-Myc Expression Tag (C-term) | Not applicable. |
| | | SureVector HIS6 Expression Tag (C-Term) | Not applicable. |
| | | SureVector CBP Expression Tag (C-Term) | Not applicable. |
| | | SureVector SBP Expression Tag (C-term) | Not applicable. |
| | | SureVector Thioredoxin Expression Tag (C-Term) | Not applicable. |
| | | SureVector LacZ E. coli Control (C-term) | Not applicable. |

Section 9. Physical and chemical properties

| | | | |
|---|--|--|----------------|
| Lower and upper explosive (flammable) limits | <input checked="" type="checkbox"/> SureVector T7 E. coli Promoter | Not available. | |
| | SureVector Tac E. coli Promoter | Not available. | |
| | SureVector Rhamnose E. coli Promoter | Not available. | |
| | SureVector HA Expression Tag (C-Term) | Not available. | |
| | SureVector c-Myc Expression Tag (C-term) | Not available. | |
| | SureVector HIS6 Expression Tag (C-Term) | Not available. | |
| | SureVector CBP Expression Tag (C-Term) | Not available. | |
| | SureVector SBP Expression Tag (C-term) | Not available. | |
| | SureVector Thioredoxin Expression Tag (C-Term) | Not available. | |
| | SureVector LacZ E. coli Control (C-term) | Not available. | |
| | Vapour pressure | <input checked="" type="checkbox"/> SureVector T7 E. coli Promoter | Not available. |
| | | SureVector Tac E. coli Promoter | Not available. |
| | | SureVector Rhamnose E. coli Promoter | Not available. |
| | | SureVector HA Expression Tag (C-Term) | Not available. |
| | | SureVector c-Myc Expression Tag (C-term) | Not available. |
| SureVector HIS6 Expression Tag (C-Term) | | Not available. | |
| SureVector CBP Expression Tag (C-Term) | | Not available. | |
| SureVector SBP Expression Tag (C-term) | | Not available. | |
| SureVector Thioredoxin Expression Tag (C-Term) | | Not available. | |
| SureVector LacZ E. coli Control (C-term) | | Not available. | |
| Vapour density | | <input checked="" type="checkbox"/> SureVector T7 E. coli Promoter | Not available. |
| | | SureVector Tac E. coli Promoter | Not available. |
| | | SureVector Rhamnose E. coli Promoter | Not available. |
| | | SureVector HA Expression Tag (C-Term) | Not available. |
| | | SureVector c-Myc Expression Tag (C-term) | Not available. |
| | SureVector HIS6 Expression Tag (C-Term) | Not available. | |
| | SureVector CBP Expression Tag (C-Term) | Not available. | |
| | SureVector SBP Expression Tag (C-term) | Not available. | |
| | SureVector Thioredoxin Expression Tag (C-Term) | Not available. | |
| | SureVector LacZ E. coli Control (C-term) | Not available. | |

Section 9. Physical and chemical properties

| | | | |
|---|---------------------------------------|--|--|
| Relative density | : <input checked="" type="checkbox"/> | SureVector T7 E. coli Promoter | Not available. |
| | | SureVector Tac E. coli Promoter | Not available. |
| | | SureVector Rhamnose E. coli Promoter | Not available. |
| | | SureVector HA Expression Tag (C-Term) | Not available. |
| | | SureVector c-Myc Expression Tag (C-term) | Not available. |
| | | SureVector HIS6 Expression Tag (C-Term) | Not available. |
| | | SureVector CBP Expression Tag (C-Term) | Not available. |
| | | SureVector SBP Expression Tag (C-term) | Not available. |
| | | SureVector Thioredoxin Expression Tag (C-Term) | Not available. |
| | | SureVector LacZ E. coli Control (C-term) | Not available. |
| Solubility | : <input checked="" type="checkbox"/> | SureVector T7 E. coli Promoter | Easily soluble in the following materials: cold water and hot water. |
| | | SureVector Tac E. coli Promoter | Easily soluble in the following materials: cold water and hot water. |
| | | SureVector Rhamnose E. coli Promoter | Easily soluble in the following materials: cold water and hot water. |
| | | SureVector HA Expression Tag (C-Term) | Easily soluble in the following materials: cold water and hot water. |
| | | SureVector c-Myc Expression Tag (C-term) | Easily soluble in the following materials: cold water and hot water. |
| | | SureVector HIS6 Expression Tag (C-Term) | Easily soluble in the following materials: cold water and hot water. |
| | | SureVector CBP Expression Tag (C-Term) | Easily soluble in the following materials: cold water and hot water. |
| | | SureVector SBP Expression Tag (C-term) | Easily soluble in the following materials: cold water and hot water. |
| | | SureVector Thioredoxin Expression Tag (C-Term) | Easily soluble in the following materials: cold water and hot water. |
| | | SureVector LacZ E. coli Control (C-term) | Easily soluble in the following materials: cold water and hot water. |
| Partition coefficient: n-octanol/water | : <input checked="" type="checkbox"/> | SureVector T7 E. coli Promoter | Not available. |
| | | SureVector Tac E. coli Promoter | Not available. |
| | | SureVector Rhamnose E. coli Promoter | Not available. |
| | | SureVector HA Expression Tag (C-Term) | Not available. |
| | | SureVector c-Myc Expression Tag (C-term) | Not available. |
| | | SureVector HIS6 Expression Tag (C-Term) | Not available. |
| | | SureVector CBP Expression Tag (C-Term) | Not available. |
| | | SureVector SBP Expression Tag (C-term) | Not available. |
| | | SureVector Thioredoxin Expression Tag (C-Term) | Not available. |
| | | SureVector LacZ E. coli Control (C-term) | Not available. |

Section 9. Physical and chemical properties

| | | | |
|--|--|--|----------------|
| Auto-ignition temperature | <input checked="" type="checkbox"/> SureVector T7 E. coli Promoter | Not available. | |
| | SureVector Tac E. coli Promoter | Not available. | |
| | SureVector Rhamnose E. coli Promoter | Not available. | |
| | SureVector HA Expression Tag (C-Term) | Not available. | |
| | SureVector c-Myc Expression Tag (C-term) | Not available. | |
| | SureVector HIS6 Expression Tag (C-Term) | Not available. | |
| | SureVector CBP Expression Tag (C-Term) | Not available. | |
| | SureVector SBP Expression Tag (C-term) | Not available. | |
| | SureVector Thioredoxin Expression Tag (C-Term) | Not available. | |
| | SureVector LacZ E. coli Control (C-term) | Not available. | |
| | Decomposition temperature | <input checked="" type="checkbox"/> SureVector T7 E. coli Promoter | Not available. |
| | | SureVector Tac E. coli Promoter | Not available. |
| | | SureVector Rhamnose E. coli Promoter | Not available. |
| | | SureVector HA Expression Tag (C-Term) | Not available. |
| | | SureVector c-Myc Expression Tag (C-term) | Not available. |
| SureVector HIS6 Expression Tag (C-Term) | | Not available. | |
| SureVector CBP Expression Tag (C-Term) | | Not available. | |
| SureVector SBP Expression Tag (C-term) | | Not available. | |
| SureVector Thioredoxin Expression Tag (C-Term) | | Not available. | |
| SureVector LacZ E. coli Control (C-term) | | Not available. | |
| Viscosity | | <input checked="" type="checkbox"/> SureVector T7 E. coli Promoter | Not available. |
| | | SureVector Tac E. coli Promoter | Not available. |
| | | SureVector Rhamnose E. coli Promoter | Not available. |
| | | SureVector HA Expression Tag (C-Term) | Not available. |
| | | SureVector c-Myc Expression Tag (C-term) | Not available. |
| | SureVector HIS6 Expression Tag (C-Term) | Not available. | |
| | SureVector CBP Expression Tag (C-Term) | Not available. | |
| | SureVector SBP Expression Tag (C-term) | Not available. | |
| | SureVector Thioredoxin Expression Tag (C-Term) | Not available. | |
| | SureVector LacZ E. coli Control (C-term) | Not available. | |

Section 10. Stability and reactivity

| | | |
|---|---|--|
| Reactivity | : <input checked="" type="checkbox"/> SureVector T7 E. coli Promoter SureVector Tac E. coli Promoter SureVector Rhamnose E. coli Promoter SureVector HA Expression Tag (C-Term) SureVector c-Myc Expression Tag (C-term) SureVector HIS6 Expression Tag (C-Term) SureVector CBP Expression Tag (C-Term) SureVector SBP Expression Tag (C-term) SureVector Thioredoxin Expression Tag (C-Term) SureVector LacZ E. coli Control (C-term) | No specific test data related to reactivity available for this product or its ingredients. No specific test data related to reactivity available for this product or its ingredients. No specific test data related to reactivity available for this product or its ingredients. No specific test data related to reactivity available for this product or its ingredients. No specific test data related to reactivity available for this product or its ingredients. No specific test data related to reactivity available for this product or its ingredients. No specific test data related to reactivity available for this product or its ingredients. No specific test data related to reactivity available for this product or its ingredients. No specific test data related to reactivity available for this product or its ingredients. No specific test data related to reactivity available for this product or its ingredients. No specific test data related to reactivity available for this product or its ingredients. No specific test data related to reactivity available for this product or its ingredients. |
| Chemical stability | : <input checked="" type="checkbox"/> SureVector T7 E. coli Promoter SureVector Tac E. coli Promoter SureVector Rhamnose E. coli Promoter SureVector HA Expression Tag (C-Term) SureVector c-Myc Expression Tag (C-term) SureVector HIS6 Expression Tag (C-Term) SureVector CBP Expression Tag (C-Term) SureVector SBP Expression Tag (C-term) SureVector Thioredoxin Expression Tag (C-Term) SureVector LacZ E. coli Control (C-term) | The product is stable. The product is stable. The product is stable. The product is stable. The product is stable. The product is stable. The product is stable. The product is stable. The product is stable. The product is stable. The product is stable. |
| Possibility of hazardous reactions | : <input checked="" type="checkbox"/> SureVector T7 E. coli Promoter SureVector Tac E. coli Promoter SureVector Rhamnose E. coli Promoter SureVector HA Expression Tag (C-Term) SureVector c-Myc Expression Tag (C-term) SureVector HIS6 Expression Tag (C-Term) SureVector CBP Expression Tag (C-Term) SureVector SBP Expression Tag (C-term) SureVector Thioredoxin Expression Tag (C-Term) SureVector LacZ E. coli Control (C-term) | Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. |

Section 10. Stability and reactivity

| | | | |
|--|--|--|--|
| Conditions to avoid | : SureVector T7 E. coli Promoter | No specific data. | |
| | SureVector Tac E. coli Promoter | No specific data. | |
| | SureVector Rhamnose E. coli Promoter | No specific data. | |
| | SureVector HA Expression Tag (C-Term) | No specific data. | |
| | SureVector c-Myc Expression Tag (C-term) | No specific data. | |
| | SureVector HIS6 Expression Tag (C-Term) | No specific data. | |
| | SureVector CBP Expression Tag (C-Term) | No specific data. | |
| | SureVector SBP Expression Tag (C-term) | No specific data. | |
| | SureVector Thioredoxin Expression Tag (C-Term) | No specific data. | |
| | SureVector LacZ E. coli Control (C-term) | No specific data. | |
| | Incompatible materials | : SureVector T7 E. coli Promoter | May react or be incompatible with oxidising materials. |
| | | SureVector Tac E. coli Promoter | May react or be incompatible with oxidising materials. |
| | | SureVector Rhamnose E. coli Promoter | May react or be incompatible with oxidising materials. |
| | | SureVector HA Expression Tag (C-Term) | May react or be incompatible with oxidising materials. |
| SureVector c-Myc Expression Tag (C-term) | | May react or be incompatible with oxidising materials. | |
| SureVector HIS6 Expression Tag (C-Term) | | May react or be incompatible with oxidising materials. | |
| SureVector CBP Expression Tag (C-Term) | | May react or be incompatible with oxidising materials. | |
| SureVector SBP Expression Tag (C-term) | | May react or be incompatible with oxidising materials. | |
| SureVector Thioredoxin Expression Tag (C-Term) | | May react or be incompatible with oxidising materials. | |
| SureVector LacZ E. coli Control (C-term) | | May react or be incompatible with oxidising materials. | |
| Hazardous decomposition products | | : SureVector T7 E. coli Promoter | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| | | SureVector Tac E. coli Promoter | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| | | SureVector Rhamnose E. coli Promoter | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| | | SureVector HA Expression Tag (C-Term) | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| | SureVector c-Myc Expression Tag (C-term) | Under normal conditions of storage and use, hazardous decomposition products should not be produced. | |
| | SureVector HIS6 Expression Tag (C-Term) | Under normal conditions of storage and use, hazardous decomposition products should not be produced. | |
| | SureVector CBP Expression Tag (C-Term) | Under normal conditions of storage and use, hazardous decomposition products should not be produced. | |

Section 10. Stability and reactivity

| | |
|--|---|
| SureVector SBP Expression Tag (C-term) | produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| SureVector Thioredoxin Expression Tag (C-Term) | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| SureVector LacZ E. coli Control (C-term) | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Not available.

Irritation/Corrosion

Not available.

Sensitisation

Not available.

Mutagenicity

Not available.

Carcinogenicity

Not available.

Reproductive toxicity

Not available.

Teratogenicity

Not available.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

| | | |
|---|--|----------------|
| Information on likely routes of exposure | SureVector T7 E. coli Promoter | Not available. |
| | SureVector Tac E. coli Promoter | Not available. |
| | SureVector Rhamnose E. coli Promoter | Not available. |
| | SureVector HA Expression Tag (C-Term) | Not available. |
| | SureVector c-Myc Expression Tag (C-term) | Not available. |
| | SureVector HIS6 Expression Tag (C-Term) | Not available. |
| | SureVector CBP Expression Tag (C-Term) | Not available. |
| | SureVector SBP Expression Tag (C-term) | Not available. |
| | SureVector Thioredoxin Expression Tag (C-Term) | Not available. |

Section 11. Toxicological information

SureVector LacZ E. coli Control (C-term) Not available.

Potential acute health effects

Eye contact

: SureVector T7 E. coli Promoter No known significant effects or critical hazards.
 SureVector Tac E. coli Promoter No known significant effects or critical hazards.
 SureVector Rhamnose E. coli Promoter No known significant effects or critical hazards.
 SureVector HA Expression Tag (C-Term) No known significant effects or critical hazards.
 SureVector c-Myc Expression Tag (C-term) No known significant effects or critical hazards.
 SureVector HIS6 Expression Tag (C-Term) No known significant effects or critical hazards.
 SureVector CBP Expression Tag (C-Term) No known significant effects or critical hazards.
 SureVector SBP Expression Tag (C-term) No known significant effects or critical hazards.
 SureVector Thioredoxin Expression Tag (C-Term) No known significant effects or critical hazards.
 SureVector LacZ E. coli Control (C-term) No known significant effects or critical hazards.

Inhalation

: SureVector T7 E. coli Promoter No known significant effects or critical hazards.
 SureVector Tac E. coli Promoter No known significant effects or critical hazards.
 SureVector Rhamnose E. coli Promoter No known significant effects or critical hazards.
 SureVector HA Expression Tag (C-Term) No known significant effects or critical hazards.
 SureVector c-Myc Expression Tag (C-term) No known significant effects or critical hazards.
 SureVector HIS6 Expression Tag (C-Term) No known significant effects or critical hazards.
 SureVector CBP Expression Tag (C-Term) No known significant effects or critical hazards.
 SureVector SBP Expression Tag (C-term) No known significant effects or critical hazards.
 SureVector Thioredoxin Expression Tag (C-Term) No known significant effects or critical hazards.
 SureVector LacZ E. coli Control (C-term) No known significant effects or critical hazards.

Skin contact

: SureVector T7 E. coli Promoter No known significant effects or critical hazards.
 SureVector Tac E. coli Promoter No known significant effects or critical hazards.
 SureVector Rhamnose E. coli Promoter No known significant effects or critical hazards.
 SureVector HA Expression Tag (C-Term) No known significant effects or critical hazards.
 SureVector c-Myc Expression Tag (C-term) No known significant effects or critical hazards.
 SureVector HIS6 Expression Tag (C-Term) No known significant effects or critical hazards.
 SureVector CBP Expression Tag (C-Term) No known significant effects or critical hazards.
 SureVector SBP Expression Tag (C-term) No known significant effects or critical hazards.
 SureVector Thioredoxin Expression Tag (C-Term) No known significant effects or critical hazards.
 SureVector LacZ E. coli Control (C-term) No known significant effects or critical hazards.

Section 11. Toxicological information

| | | |
|------------------|--|---|
| Ingestion | : <input checked="" type="checkbox"/> SureVector T7 E. coli Promoter | No known significant effects or critical hazards. |
| | SureVector Tac E. coli Promoter | No known significant effects or critical hazards. |
| | SureVector Rhamnose E. coli Promoter | No known significant effects or critical hazards. |
| | SureVector HA Expression Tag (C-Term) | No known significant effects or critical hazards. |
| | SureVector c-Myc Expression Tag (C-term) | No known significant effects or critical hazards. |
| | SureVector HIS6 Expression Tag (C-Term) | No known significant effects or critical hazards. |
| | SureVector CBP Expression Tag (C-Term) | No known significant effects or critical hazards. |
| | SureVector SBP Expression Tag (C-term) | No known significant effects or critical hazards. |
| | SureVector Thioredoxin Expression Tag (C-Term) | No known significant effects or critical hazards. |
| | SureVector LacZ E. coli Control (C-term) | No known significant effects or critical hazards. |

Symptoms related to the physical, chemical and toxicological characteristics

| | | |
|--------------------|--|-------------------|
| Eye contact | : <input checked="" type="checkbox"/> SureVector T7 E. coli Promoter | No specific data. |
| | SureVector Tac E. coli Promoter | No specific data. |
| | SureVector Rhamnose E. coli Promoter | No specific data. |
| | SureVector HA Expression Tag (C-Term) | No specific data. |
| | SureVector c-Myc Expression Tag (C-term) | No specific data. |
| | SureVector HIS6 Expression Tag (C-Term) | No specific data. |
| | SureVector CBP Expression Tag (C-Term) | No specific data. |
| | SureVector SBP Expression Tag (C-term) | No specific data. |
| | SureVector Thioredoxin Expression Tag (C-Term) | No specific data. |
| | SureVector LacZ E. coli Control (C-term) | No specific data. |

| | | |
|-------------------|--|-------------------|
| Inhalation | : <input checked="" type="checkbox"/> SureVector T7 E. coli Promoter | No specific data. |
| | SureVector Tac E. coli Promoter | No specific data. |
| | SureVector Rhamnose E. coli Promoter | No specific data. |
| | SureVector HA Expression Tag (C-Term) | No specific data. |
| | SureVector c-Myc Expression Tag (C-term) | No specific data. |
| | SureVector HIS6 Expression Tag (C-Term) | No specific data. |
| | SureVector CBP Expression Tag (C-Term) | No specific data. |
| | SureVector SBP Expression Tag (C-term) | No specific data. |
| | SureVector Thioredoxin Expression Tag (C-Term) | No specific data. |
| | SureVector LacZ E. coli Control (C-term) | No specific data. |

Section 11. Toxicological information

| | | | |
|--|--|--|-------------------|
| Skin contact | : SureVector T7 E. coli Promoter | No specific data. | |
| | SureVector Tac E. coli Promoter | No specific data. | |
| | SureVector Rhamnose E. coli Promoter | No specific data. | |
| | SureVector HA Expression Tag (C-Term) | No specific data. | |
| | SureVector c-Myc Expression Tag (C-term) | No specific data. | |
| | SureVector HIS6 Expression Tag (C-Term) | No specific data. | |
| | SureVector CBP Expression Tag (C-Term) | No specific data. | |
| | SureVector SBP Expression Tag (C-term) | No specific data. | |
| | SureVector Thioredoxin Expression Tag (C-Term) | No specific data. | |
| | SureVector LacZ E. coli Control (C-term) | No specific data. | |
| | Ingestion | : SureVector T7 E. coli Promoter | No specific data. |
| | | SureVector Tac E. coli Promoter | No specific data. |
| | | SureVector Rhamnose E. coli Promoter | No specific data. |
| | | SureVector HA Expression Tag (C-Term) | No specific data. |
| | | SureVector c-Myc Expression Tag (C-term) | No specific data. |
| SureVector HIS6 Expression Tag (C-Term) | | No specific data. | |
| SureVector CBP Expression Tag (C-Term) | | No specific data. | |
| SureVector SBP Expression Tag (C-term) | | No specific data. | |
| SureVector Thioredoxin Expression Tag (C-Term) | | No specific data. | |
| SureVector LacZ E. coli Control (C-term) | | No specific data. | |

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

Short term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Long term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Potential chronic health effects

Not available.

| | | |
|----------------|--------------------------------------|---|
| General | : SureVector T7 E. coli Promoter | No known significant effects or critical hazards. |
| | SureVector Tac E. coli Promoter | No known significant effects or critical hazards. |
| | SureVector Rhamnose E. coli Promoter | No known significant effects or critical hazards. |
| | SureVector HA Expression | No known significant effects or critical hazards. |

Section 11. Toxicological information

| | | | |
|------------------------|--|--|---|
| | Tag (C-Term) | | |
| | SureVector c-Myc Expression Tag (C-term) | | No known significant effects or critical hazards. |
| | SureVector HIS6 Expression Tag (C-Term) | | No known significant effects or critical hazards. |
| | SureVector CBP Expression Tag (C-Term) | | No known significant effects or critical hazards. |
| | SureVector SBP Expression Tag (C-term) | | No known significant effects or critical hazards. |
| | SureVector Thioredoxin Expression Tag (C-Term) | | No known significant effects or critical hazards. |
| | SureVector LacZ E. coli Control (C-term) | | No known significant effects or critical hazards. |
| Carcinogenicity | : SureVector T7 E. coli Promoter | | No known significant effects or critical hazards. |
| | SureVector Tac E. coli Promoter | | No known significant effects or critical hazards. |
| | SureVector Rhamnose E. coli Promoter | | No known significant effects or critical hazards. |
| | SureVector HA Expression Tag (C-Term) | | No known significant effects or critical hazards. |
| | SureVector c-Myc Expression Tag (C-term) | | No known significant effects or critical hazards. |
| | SureVector HIS6 Expression Tag (C-Term) | | No known significant effects or critical hazards. |
| | SureVector CBP Expression Tag (C-Term) | | No known significant effects or critical hazards. |
| | SureVector SBP Expression Tag (C-term) | | No known significant effects or critical hazards. |
| | SureVector Thioredoxin Expression Tag (C-Term) | | No known significant effects or critical hazards. |
| | SureVector LacZ E. coli Control (C-term) | | No known significant effects or critical hazards. |
| Mutagenicity | : SureVector T7 E. coli Promoter | | No known significant effects or critical hazards. |
| | SureVector Tac E. coli Promoter | | No known significant effects or critical hazards. |
| | SureVector Rhamnose E. coli Promoter | | No known significant effects or critical hazards. |
| | SureVector HA Expression Tag (C-Term) | | No known significant effects or critical hazards. |
| | SureVector c-Myc Expression Tag (C-term) | | No known significant effects or critical hazards. |
| | SureVector HIS6 Expression Tag (C-Term) | | No known significant effects or critical hazards. |
| | SureVector CBP Expression Tag (C-Term) | | No known significant effects or critical hazards. |
| | SureVector SBP Expression Tag (C-term) | | No known significant effects or critical hazards. |
| | SureVector Thioredoxin Expression Tag (C-Term) | | No known significant effects or critical hazards. |
| | SureVector LacZ E. coli Control (C-term) | | No known significant effects or critical hazards. |
| Teratogenicity | : SureVector T7 E. coli Promoter | | No known significant effects or critical hazards. |
| | SureVector Tac E. coli Promoter | | No known significant effects or critical hazards. |
| | SureVector Rhamnose E. coli Promoter | | No known significant effects or critical hazards. |
| | SureVector HA Expression Tag (C-Term) | | No known significant effects or critical hazards. |
| | SureVector c-Myc Expression Tag (C-term) | | No known significant effects or critical hazards. |

Section 11. Toxicological information

| | | |
|------------------------------|--|---|
| | SureVector HIS6 Expression Tag (C-Term) | No known significant effects or critical hazards. |
| | SureVector CBP Expression Tag (C-Term) | No known significant effects or critical hazards. |
| | SureVector SBP Expression Tag (C-term) | No known significant effects or critical hazards. |
| | SureVector Thioredoxin Expression Tag (C-Term) | No known significant effects or critical hazards. |
| | SureVector LacZ E. coli Control (C-term) | No known significant effects or critical hazards. |
| Developmental effects | : <input checked="" type="checkbox"/> SureVector T7 E. coli Promoter | No known significant effects or critical hazards. |
| | SureVector Tac E. coli Promoter | No known significant effects or critical hazards. |
| | SureVector Rhamnose E. coli Promoter | No known significant effects or critical hazards. |
| | SureVector HA Expression Tag (C-Term) | No known significant effects or critical hazards. |
| | SureVector c-Myc Expression Tag (C-term) | No known significant effects or critical hazards. |
| | SureVector HIS6 Expression Tag (C-Term) | No known significant effects or critical hazards. |
| | SureVector CBP Expression Tag (C-Term) | No known significant effects or critical hazards. |
| | SureVector SBP Expression Tag (C-term) | No known significant effects or critical hazards. |
| | SureVector Thioredoxin Expression Tag (C-Term) | No known significant effects or critical hazards. |
| | SureVector LacZ E. coli Control (C-term) | No known significant effects or critical hazards. |
| Fertility effects | : <input checked="" type="checkbox"/> SureVector T7 E. coli Promoter | No known significant effects or critical hazards. |
| | SureVector Tac E. coli Promoter | No known significant effects or critical hazards. |
| | SureVector Rhamnose E. coli Promoter | No known significant effects or critical hazards. |
| | SureVector HA Expression Tag (C-Term) | No known significant effects or critical hazards. |
| | SureVector c-Myc Expression Tag (C-term) | No known significant effects or critical hazards. |
| | SureVector HIS6 Expression Tag (C-Term) | No known significant effects or critical hazards. |
| | SureVector CBP Expression Tag (C-Term) | No known significant effects or critical hazards. |
| | SureVector SBP Expression Tag (C-term) | No known significant effects or critical hazards. |
| | SureVector Thioredoxin Expression Tag (C-Term) | No known significant effects or critical hazards. |
| | SureVector LacZ E. coli Control (C-term) | No known significant effects or critical hazards. |

Numerical measures of toxicity

Acute toxicity estimates

Not available.

Section 12. Ecological information

Toxicity

Not available.

Persistence and degradability

Not available.

Bioaccumulative potential

Not available.

Mobility in soil

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

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

Section 13. Disposal considerations

Disposal methods : The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

Regulatory information

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

Special precautions for user : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

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

Section 15. Regulatory information

Standard Uniform Schedule of Medicine and Poisons

Not regulated.

Model Work Health and Safety Regulations - Scheduled Substances

No listed substance

Australia inventory (AICS) : Not determined.

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

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

Not listed.

Section 15. Regulatory information

[Stockholm Convention on Persistent Organic Pollutants](#)

Not listed.

[Rotterdam Convention on Prior Informed Consent \(PIC\)](#)

Not listed.

[UNECE Aarhus Protocol on POPs and Heavy Metals](#)

Not listed.

[International lists](#)

[National inventory](#)

- Canada** : Not determined.
- China** : All components are listed or exempted.
- Europe** : All components are listed or exempted.
- Japan** : **Japan inventory (ENCS)**: Not determined.
Japan inventory (ISHL): All components are listed or exempted.
- Malaysia** : Not determined.
- New Zealand** : Not determined.
- Philippines** : Not determined.
- Republic of Korea** : Not determined.
- Taiwan** : All components are listed or exempted.
- Turkey** : Not determined.
- United States** : All components are listed or exempted.

Section 16. Any other relevant information

[History](#)

- Date of issue/Date of revision** : 25/04/2017
- Date of previous issue** : 30/06/2015.
- Version** : 2

[Key to abbreviations](#)

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

[Procedure used to derive the classification](#)

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

References : Not available.

Indicates information that has changed from previously issued version.

[Notice to reader](#)

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