

Section 2. Hazards identification

	1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
SureVector Rhamnose E. coli Promoter	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
SureVector HA Expression Tag (C-Term)	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
SureVector c-Myc Expression Tag (C-term)	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
SureVector HIS6 Expression Tag (C-Term)	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
SureVector CBP Expression Tag (C-Term)	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
SureVector SBP Expression Tag (C-term)	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
SureVector Thioredoxin Expression Tag (C-Term)	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
SureVector LacZ E. coli Control (C-term)	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

Classification of the substance or mixture

Not classified.

2.2 GHS label elements

Signal word :

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	☑ 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.
	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	: ☑ 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	: ☑ 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.

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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 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.
Storage	: <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.
Disposal	: <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.

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Supplemental label elements	:	<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.

2.3 Other hazards

Hazards not otherwise classified	:	<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/information on ingredients

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

Section 3. Composition/information on ingredients

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

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

4.1 Description of necessary first aid measures

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-	Remove victim to fresh air and keep at rest in a

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	Term)	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.
	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

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	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 <i>E. coli</i> 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 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 c-Myc 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 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 <i>E. coli</i> 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

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unless directed to do so by medical personnel. Get medical attention if symptoms occur.

4.2 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 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.

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	term)	
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.
	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

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.

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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.

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

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

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	SureVector SBP Expression Tag (C-term)	ingested or inhaled. 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.
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.
	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. Fire-fighting measures

5.1 Extinguishing media

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.

Unsuitable extinguishing media

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.

5.2 Special hazards arising from the substance or mixture

Specific hazards arising from the chemical

SureVector T7 E. coli Promoter	In a fire or if heated, a pressure increase will occur and the container may burst.
SureVector Tac E. coli Promoter	In a fire or if heated, a pressure increase will occur and the container may burst.
SureVector Rhamnose E. coli Promoter	In a fire or if heated, a pressure increase will occur and the container may burst.
SureVector HA Expression Tag (C-Term)	In a fire or if heated, a pressure increase will occur and the container may burst.
SureVector c-Myc Expression Tag (C-term)	In a fire or if heated, a pressure increase will occur and the container may burst.
SureVector HIS6 Expression Tag (C-Term)	In a fire or if heated, a pressure increase will occur and the container may burst.
SureVector CBP Expression Tag (C-Term)	In a fire or if heated, a pressure increase will occur and the container may burst.
SureVector SBP Expression Tag (C-term)	In a fire or if heated, a pressure increase will occur and the container may burst.

Section 5. Fire-fighting measures

Hazardous thermal decomposition products

SureVector Thioredoxin Expression Tag (C-Term)	In a fire or if heated, a pressure increase will occur and the container may burst.
SureVector LacZ E. coli Control (C-term)	In a fire or if heated, a pressure increase will occur and the container may burst.
: 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.

5.3 Advice for firefighters

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

Section 5. Fire-fighting measures

Special protective equipment for fire-fighters

SureVector LacZ E. coli Control (C-term)	:	SureVector T7 E. coli Promoter	<p>action shall be taken involving any personal risk or without suitable training.</p> <p>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.</p> <p>Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.</p>
SureVector Tac E. coli Promoter			<p>Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.</p>
SureVector Rhamnose E. coli Promoter			<p>Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.</p>
SureVector HA Expression Tag (C-Term)			<p>Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.</p>
SureVector c-Myc Expression Tag (C-term)			<p>Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.</p>
SureVector HIS6 Expression Tag (C-Term)			<p>Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.</p>
SureVector CBP Expression Tag (C-Term)			<p>Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.</p>
SureVector SBP Expression Tag (C-term)			<p>Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.</p>
SureVector Thioredoxin Expression Tag (C-Term)			<p>Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.</p>
SureVector LacZ E. coli Control (C-term)			<p>Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.</p>

Section 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

:	SureVector T7 E. coli Promoter	<p>No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.</p>
	SureVector Tac E. coli Promoter	<p>No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and</p>

Section 6. Accidental release measures

SureVector Rhamnose E. coli Promoter	unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment. No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled 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 spilled 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 spilled 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 spilled 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 spilled material. Put on appropriate personal protective equipment.
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 spilled 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 spilled 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 spilled material. Put on appropriate personal protective equipment.
For emergency responders : SureVector T7 E. coli Promoter	If specialized 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 specialized 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

SureVector Rhamnose E. coli Promoter	If specialized 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 specialized 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 specialized 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 specialized 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 specialized 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 specialized 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 specialized 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 specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

6.2 Environmental precautions

<p>☒ SureVector T7 E. coli Promoter</p> <p>SureVector Tac E. coli Promoter</p> <p>SureVector Rhamnose E. coli Promoter</p> <p>SureVector HA Expression Tag (C-Term)</p> <p>SureVector c-Myc Expression Tag (C-term)</p> <p>SureVector HIS6 Expression Tag</p>	<p>Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).</p> <p>Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).</p> <p>Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).</p> <p>Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).</p> <p>Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).</p> <p>Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).</p>
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Section 6. Accidental release measures

(C-Term)	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 spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
SureVector SBP Expression Tag (C-term)	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
SureVector Thioredoxin Expression Tag (C-Term)	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
SureVector LacZ <i>E. coli</i> Control (C-term)	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up	: SureVector T7 <i>E. coli</i> 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 <i>E. coli</i> 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 Rhamnose <i>E. coli</i> 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 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.

Section 6. Accidental release measures

SureVector CBP Expression Tag (C-Term)	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. 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 <i>E. coli</i> 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

7.1 Precautions for safe handling

Protective measures	: SureVector T7 <i>E. coli</i> Promoter	Put on appropriate personal protective equipment (see Section 8).
	SureVector Tac <i>E. coli</i> Promoter	Put on appropriate personal protective equipment (see Section 8).
	SureVector Rhamnose <i>E. coli</i> Promoter	Put on appropriate personal protective equipment (see Section 8).
	SureVector HA Expression Tag (C-Term)	Put on appropriate personal protective equipment (see Section 8).
	SureVector c-Myc Expression Tag (C-term)	Put on appropriate personal protective equipment (see Section 8).
	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 <i>E. coli</i> Control (C-term)	Put on appropriate personal protective equipment (see Section 8).

Section 7. Handling and storage

Advice on general occupational hygiene

: 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 contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
SureVector Thioredoxin 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

Section 7. Handling and storage

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.

7.2 Conditions for safe storage, including any incompatibilities

: 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 unlabeled 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 unlabeled 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 unlabeled 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 unlabeled 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 ready for use. Containers that have been opened must be carefully resealed and kept upright

Section 7. Handling and storage

SureVector HIS6 Expression Tag (C-Term)	to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled 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 unlabeled 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 unlabeled 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 unlabeled containers. Use appropriate containment to avoid environmental contamination.
SureVector LacZ <i>E. coli</i> 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 unlabeled containers. Use appropriate containment to avoid environmental contamination.

7.3 Specific end use(s)

Section 7. Handling and storage

Recommendations	:	<ul style="list-style-type: none"> ☑ SureVector T7 E. coli Promoter Industrial applications, Professional applications. SureVector Tac E. coli Promoter Industrial applications, Professional applications. SureVector Rhamnose E. coli Promoter Industrial applications, Professional applications. SureVector HA Expression Tag (C-Term) Industrial applications, Professional applications. SureVector c-Myc Expression Tag (C-term) Industrial applications, Professional applications. SureVector HIS6 Expression Tag (C-Term) Industrial applications, Professional applications. SureVector CBP Expression Tag (C-Term) Industrial applications, Professional applications. SureVector SBP Expression Tag (C-term) Industrial applications, Professional applications. SureVector Thioredoxin Expression Tag (C-Term) Industrial applications, Professional applications. SureVector LacZ E. coli Control (C-term) Industrial applications, Professional applications.
Industrial sector specific solutions	:	<ul style="list-style-type: none"> ☑ 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 8. Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
None.	

8.2 Exposure controls

- 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

Section 8. Exposure controls/personal protection

- 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

9.1 Information on basic physical and chemical properties

Appearance

- Physical state** :
- | | |
|--|---------|
| 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 Control (C-term) | Liquid. |
- Color** :
- | | |
|--|----------------|
| 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. |

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	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.
Odor	: 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.
Odor threshold	: 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	: 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

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	SureVector Thioredoxin	8
	Expression Tag (C-Term)	
	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)
Flash point	: 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

Evaporation rate	: 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)	Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available.
Flammability (solid, gas)	: 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)	Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable.
Lower and upper explosive (flammable) limits	: 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)	Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available.

Section 9. Physical and chemical properties

Vapor pressure	: 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.
Vapor density	: 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.
Relative density	: 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

Solubility	: 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	: 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.
Auto-ignition temperature	: 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

Decomposition temperature	: 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	: 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

10.1 Reactivity	: SureVector T7 E. coli Promoter	No specific test data related to reactivity available for this product or its ingredients.
	SureVector Tac E. coli Promoter	No specific test data related to reactivity available for this product or its ingredients.
	SureVector Rhamnose E. coli Promoter	No specific test data related to reactivity available for this product or its ingredients.
	SureVector HA Expression Tag (C-Term)	No specific test data related to reactivity available for this product or its ingredients.
	SureVector c-Myc Expression Tag (C-term)	No specific test data related to reactivity available for this product or its ingredients.
	SureVector HIS6 Expression Tag (C-Term)	No specific test data related to reactivity available for this product or its ingredients.
	SureVector CBP Expression Tag (C-Term)	No specific test data related to reactivity available for this product or its ingredients.
	SureVector SBP Expression Tag (C-term)	No specific test data related to reactivity available for this product or its ingredients.
	SureVector Thioredoxin Expression Tag (C-Term)	No specific test data related to reactivity available for this product or its ingredients.
	SureVector LacZ E. coli Control (C-term)	No specific test data related to reactivity available for this product or its ingredients.

Section 10. Stability and reactivity

10.2 Chemical stability	☑ SureVector T7 E. coli Promoter	The product is stable.
	SureVector Tac E. coli Promoter	The product is stable.
	SureVector Rhamnose E. coli Promoter	The product is stable.
	SureVector HA Expression Tag (C-Term)	The product is stable.
	SureVector c-Myc Expression Tag (C-term)	The product is stable.
	SureVector HIS6 Expression Tag (C-Term)	The product is stable.
	SureVector CBP Expression Tag (C-Term)	The product is stable.
	SureVector SBP Expression Tag (C-term)	The product is stable.
	SureVector Thioredoxin Expression Tag (C-Term)	The product is stable.
	SureVector LacZ E. coli Control (C-term)	The product is stable.
	10.3 Possibility of hazardous reactions	☑ SureVector T7 E. coli Promoter
SureVector Tac E. coli Promoter		Under normal conditions of storage and use, hazardous reactions will not occur.
SureVector Rhamnose E. coli Promoter		Under normal conditions of storage and use, hazardous reactions will not occur.
SureVector HA Expression Tag (C-Term)		Under normal conditions of storage and use, hazardous reactions will not occur.
SureVector c-Myc Expression Tag (C-term)		Under normal conditions of storage and use, hazardous reactions will not occur.
SureVector HIS6 Expression Tag (C-Term)		Under normal conditions of storage and use, hazardous reactions will not occur.
SureVector CBP Expression Tag (C-Term)		Under normal conditions of storage and use, hazardous reactions will not occur.
SureVector SBP Expression Tag (C-term)		Under normal conditions of storage and use, hazardous reactions will not occur.
SureVector Thioredoxin Expression Tag (C-Term)		Under normal conditions of storage and use, hazardous reactions will not occur.
SureVector LacZ E. coli Control (C-term)		Under normal conditions of storage and use, hazardous reactions will not occur.
10.4 Conditions to avoid		☑ SureVector T7 E. coli Promoter
	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-	No specific data.

Section 10. Stability and reactivity

term)

10.5 Incompatible materials	: SureVector T7 E. coli Promoter	May react or be incompatible with oxidizing materials.
	SureVector Tac E. coli Promoter	May react or be incompatible with oxidizing materials.
	SureVector Rhamnose E. coli Promoter	May react or be incompatible with oxidizing materials.
	SureVector HA Expression Tag (C-Term)	May react or be incompatible with oxidizing materials.
	SureVector c-Myc Expression Tag (C-term)	May react or be incompatible with oxidizing materials.
	SureVector HIS6 Expression Tag (C-Term)	May react or be incompatible with oxidizing materials.
	SureVector CBP Expression Tag (C-Term)	May react or be incompatible with oxidizing materials.
	SureVector SBP Expression Tag (C-term)	May react or be incompatible with oxidizing materials.
	SureVector Thioredoxin Expression Tag (C-Term)	May react or be incompatible with oxidizing materials.
	SureVector LacZ E. coli Control (C-term)	May react or be incompatible with oxidizing materials.
10.6 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.
	SureVector SBP Expression Tag (C-term)	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

11.1 Information on toxicological effects

Acute toxicity

Not available.

Irritation/Corrosion

Not available.

Sensitization

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

Potential acute health effects

Section 11. Toxicological information

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	: 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	: 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.

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 and also chronic effects from short and long term exposure

Short term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Long term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Potential chronic health effects

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 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	No known significant effects or critical hazards.

Section 11. Toxicological information

	(C-Term)	
	SureVector CBP Expression Tag	No known significant effects or critical hazards.
	(C-Term)	
	SureVector SBP Expression Tag	No known significant effects or critical hazards.
	(C-term)	
	SureVector Thioredoxin	No known significant effects or critical hazards.
	Expression Tag (C-Term)	
	SureVector LacZ E. coli Control (C-term)	No known significant effects or critical hazards.
Carcinogenicity	: <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	No known significant effects or critical hazards.
	Expression Tag (C-Term)	
	SureVector LacZ E. coli Control (C-term)	No known significant effects or critical hazards.
Mutagenicity	: <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	No known significant effects or critical hazards.
	Expression Tag (C-Term)	
	SureVector LacZ E. coli Control (C-term)	No known significant effects or critical hazards.
Teratogenicity	: <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	No known significant effects or critical hazards.

Section 11. Toxicological information

	(C-term)	
	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	: 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	: 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

12.1 Toxicity

Not available.

12.2 Persistence and degradability

Not available.

12.3 Bioaccumulative potential

Not available.

12.4 Mobility in soil

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

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

Section 13. Disposal considerations

13.1 Waste treatment methods

Disposal methods : The generation of waste should be avoided or minimized 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 spilled material and runoff and contact with soil, waterways, drains and sewers.

Disposal should be in accordance with applicable regional, national and local laws and regulations. Local regulations may be more stringent than regional or national requirements.

The information presented below only applies to the material as supplied. The identification based on characteristic(s) or listing may not apply if the material has been used or otherwise contaminated. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.

Section 14. Transport information

Regulatory information

DOT / IMDG / IATA : Not regulated.

Section 15. Regulatory information

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

U.S. Federal regulations : **United States inventory (TSCA 8b)**: All components are listed or exempted.
Clean Water Act (CWA) 311: Edetic acid

Section 15. Regulatory information

Clean Air Act Section 112 : Not listed

(b) Hazardous Air Pollutants (HAPs)

Clean Air Act Section 602 Class I Substances : Not listed

Clean Air Act Section 602 Class II Substances : Not listed

DEA List I Chemicals (Precursor Chemicals) : Not listed

DEA List II Chemicals (Essential Chemicals) : Not listed

SARA 302/304

Composition/information on ingredients

No products were found.

SARA 304 RQ : Not applicable.

SARA 311/312

Classification : Not applicable.

Composition/information on ingredients

No products were found.

State regulations

Massachusetts : None of the components are listed.

New York : None of the components are listed.

New Jersey : None of the components are listed.

Pennsylvania : None of the components are listed.

California Prop. 65

No products were found.

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

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

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

Inventory list

Australia : Not determined.

Canada inventory : Not determined.

China : All components are listed or exempted.

Europe : All components are listed or exempted.

Section 15. Regulatory information

Japan	:	<input checked="" type="checkbox"/> Japan inventory (ENCS): Not determined. Japan inventory (ISHL): All components are listed or exempted.
Malaysia	:	Not determined.
New Zealand	:	<input checked="" type="checkbox"/> Not determined.
Philippines	:	<input checked="" type="checkbox"/> Not determined.
Republic of Korea	:	<input checked="" type="checkbox"/> Not determined.
Taiwan	:	All components are listed or exempted.
Turkey	:	<input checked="" type="checkbox"/> Not determined.

Section 16. Other information

History

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

Indicates information that has changed from previously issued version.

Notice to reader

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