

SAFETY DATA SHEET



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

Section 1. Identification

1.1 Product identifier

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

Validation date : 9/6/2022

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

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

1.3 Details of the supplier of the safety data sheet

Supplier/Manufacturer : Agilent Technologies, Inc.
 5301 Stevens Creek Blvd
 Santa Clara, CA 95051, USA
 800-227-9770

1.4 Emergency telephone number

In case of emergency : CHEMTREC®: 1-800-424-9300

Section 2. Hazards identification

2.1 Classification of the substance or mixture

OSHA/HCS status	: SureVector T7 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 Tac 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.

Section 2. Hazards identification

	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 :

Section 2. Hazards identification

	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	:	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	:	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	:	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 2. Hazards identification

Supplemental label elements	: 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	: 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	: 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

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

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-Term	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	SureVector c-Myc Expression Tag C-Term	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical

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	SureVector HIS6 Expression Tag (C-term)	attention if symptoms occur. 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. 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. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
	SureVector Rhamnose E. coli Promoter	Wash out mouth with water. If material has been swallowed and the exposed person is conscious,

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	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. 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. 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. 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. 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. 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. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
SureVector LacZ E. coli Control (C-term)	Wash out mouth with water. 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.

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.

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	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.
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.

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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.

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.

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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 ingested or inhaled.
	SureVector SBP Expression Tag (C-term)	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	SureVector Thioredoxin Expression Tag (C-Term)	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	SureVector LacZ E. coli Control (C-term)	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
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	No specific treatment.

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	(C-term) SureVector CBP Expression Tag	No specific treatment.
	(C-Term) SureVector SBP Expression Tag	No specific treatment.
	(C-term) 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.

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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.
	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.

Hazardous thermal decomposition products	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 5. Fire-fighting measures

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

Section 5. Fire-fighting measures

SureVector HIS6 Expression Tag (C-term)	pressure mode. Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
SureVector CBP Expression Tag (C-Term)	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
SureVector SBP Expression Tag (C-term)	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
SureVector Thioredoxin Expression Tag (C-Term)	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
SureVector LacZ E. coli Control (C-term)	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

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

Section 6. Accidental release measures

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

Section 6. Accidental release measures

	SureVector LacZ E. coli Control (C-term)	the information in "For non-emergency personnel". 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	: SureVector T7 E. coli Promoter	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 Tac E. coli Promoter	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 Rhamnose E. coli Promoter	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 HA 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 c-Myc 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 HIS6 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 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 E. coli 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

Section 6. Accidental release measures

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. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
	SureVector CBP Expression Tag (C-Term)	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
	SureVector SBP Expression Tag (C-term)	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
	SureVector Thioredoxin Expression Tag (C-Term)	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
	SureVector LacZ <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 E. coli Promoter	Put on appropriate personal protective equipment (see Section 8).
	SureVector Tac E. coli Promoter	Put on appropriate personal protective equipment (see Section 8).
	SureVector Rhamnose E. coli 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 E. coli Control (C-term)	Put on appropriate personal protective equipment (see Section 8).
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

Section 7. Handling and storage

SureVector CBP Expression Tag (C-Term)

before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

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 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. See Section 10 for incompatible materials before handling or use.

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. See Section 10 for incompatible materials before handling or use.

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

Section 7. Handling and storage

SureVector HA Expression Tag C-Term

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. See Section 10 for incompatible materials before handling or use.

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

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 to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

SureVector HIS6 Expression Tag (C-term)

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

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. See Section 10 for incompatible materials before handling or use.

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. See Section 10 for

Section 7. Handling and storage

SureVector Thioredoxin
Expression Tag (C-Term)

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

SureVector LacZ E. coli Control (C-term)

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

7.3 Specific end use(s)

Recommendations

: 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

: 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	Not available.

Section 7. Handling and storage

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

Section 8. Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
None.	

Biological exposure indices

No exposure indices known.

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

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 and safety characteristics

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

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.	
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.	

Section 9. Physical and chemical properties and safety characteristics

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
	SureVector Thioredoxin Expression Tag (C-Term)	8
	SureVector LacZ E. coli Control (C-term)	8
Melting point/freezing 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)

Section 9. Physical and chemical properties and safety characteristics

Boiling point, initial boiling point, and boiling range	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.

Evaporation rate	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 and safety characteristics

Flammability :

- 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.

Lower and upper explosion limit/flammability limit :

- 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 pressure :

Ingredient name	Vapor Pressure at 20°C			Vapor pressure at 50°C		
	mm Hg	kPa	Method	mm Hg	kPa	Method
SureVector T7 E. coli Promoter						
water	23.8	3.2		92.258	12.3	
SureVector Tac E. coli Promoter						
water	23.8	3.2		92.258	12.3	
SureVector Rhamnose E. coli Promoter						
water	23.8	3.2		92.258	12.3	

Section 9. Physical and chemical properties and safety characteristics

SureVector HA Expression Tag C-Term	water	23.8	3.2		92.258	12.3
SureVector c-Myc Expression Tag C-Term	water	23.8	3.2		92.258	12.3
SureVector HIS6 Expression Tag (C-term)	water	23.8	3.2		92.258	12.3
SureVector CBP Expression Tag (C-Term)	water	23.8	3.2		92.258	12.3
SureVector SBP Expression Tag (C-term)	water	23.8	3.2		92.258	12.3
SureVector Thioredoxin Expression Tag (C-Term)	water	23.8	3.2		92.258	12.3
SureVector LacZ E. coli Control (C-term)						

Relative 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.

Section 9. Physical and chemical properties and safety characteristics

	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.

Solubility(ies)

Media	Result
SureVector T7 E. coli Promoter water	Soluble
SureVector Tac E. coli Promoter water	Soluble
SureVector Rhamnose E. coli Promoter water	Soluble
SureVector HA Expression Tag C-Term water	Soluble
SureVector c-Myc Expression Tag C-Term water	Soluble
SureVector HIS6 Expression Tag (C-term) water	Soluble
SureVector CBP Expression Tag (C-Term) water	Soluble
SureVector SBP Expression Tag (C-term) water	Soluble
SureVector Thioredoxin Expression Tag (C-Term) water	Soluble
SureVector LacZ E. coli Control (C-term) water	Soluble

Section 9. Physical and chemical properties and safety characteristics

Partition coefficient: n-octanol/water	:	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.		
		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.				
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.		

Section 9. Physical and chemical properties and safety characteristics

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.

Particle characteristics

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

Section 10. Stability and reactivity

term)

10.5 Incompatible materials	: 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)	May react or be incompatible with oxidizing materials. May react or be incompatible with oxidizing materials. May react or be incompatible with oxidizing materials. May react or be incompatible with oxidizing materials. May react or be incompatible with oxidizing materials. May react or be incompatible with oxidizing materials. May react or be incompatible with oxidizing materials. May react or be incompatible with oxidizing materials. May react or be incompatible with oxidizing materials. May react or be incompatible with oxidizing materials. May react or be incompatible with oxidizing materials.
10.6 Hazardous decomposition products	: SureVector T7 E. coli Promoter SureVector Tac E. coli Promoter SureVector Rhamnose E. coli Promoter SureVector HA Expression Tag C-Term SureVector c-Myc Expression Tag C-Term SureVector HIS6 Expression Tag (C-term) SureVector CBP Expression Tag (C-Term) SureVector SBP Expression Tag (C-term) SureVector Thioredoxin Expression Tag (C-Term) SureVector LacZ E. coli Control (C-term)	Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced. 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

Conclusion/Summary : Not available.

Carcinogenicity

Conclusion/Summary : Not available.

Reproductive toxicity

Conclusion/Summary : Not available.

Teratogenicity

Conclusion/Summary : 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

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

Section 11. Toxicological information

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.

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.

Section 11. Toxicological information

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

N/A

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

DOT / TDG / Mexico / IMDG / IATA : Not regulated.

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

Transport in bulk according to IMO instruments : Not available.

Section 15. Regulatory information

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

U.S. Federal regulations : TSCA 8(a) CDR Exempt/Partial exemption: Not determined
Clean Water Act (CWA) 311: Edetic acid

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	: 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.

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

This product does not require a Safe Harbor warning under California Prop. 65.

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

Montreal Protocol

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

Rotterdam Convention on Prior Informed Consent (PIC)

Section 15. Regulatory information

Not listed.

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

Not listed.

[Inventory list](#)

Australia	: Not determined.
Canada	: Not determined.
China	: All components are listed or exempted.
Eurasian Economic Union	: Russian Federation inventory : Not determined.
Japan	: Japan inventory (CSCL) : Not determined. Japan inventory (ISHL) : All components are listed or exempted.
New Zealand	: Not determined.
Philippines	: Not determined.
Republic of Korea	: Not determined.
Taiwan	: All components are listed or exempted.
Thailand	: Not determined.
Turkey	: Not determined.
United States	: All components are active or exempted.
Viet Nam	: Not determined.

Section 16. Other information

[Procedure used to derive the classification](#)

Classification	Justification
Not classified.	

[History](#)

Date of issue : 09/06/2022

Date of previous issue : 11/24/2019

Version : 4

[Key to abbreviations](#)

: ATE = Acute Toxicity Estimate
 BCF = Bioconcentration Factor
 GHS = Globally Harmonized System of Classification and Labelling of Chemicals
 IATA = International Air Transport Association
 IBC = Intermediate Bulk Container
 IMDG = International Maritime Dangerous Goods
 LogPow = logarithm of the octanol/water partition coefficient
 MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
 N/A = Not available
 UN = United Nations

✔ Indicates information that has changed from previously issued version.

[Notice to reader](#)

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