

SAFETY DATA SHEET

SureVector E. coli N-terminal Expansion Kit, 15 rxn, Part Number G7515A

Section 1. Identification

1.1 Product identifier

Product name	: SureVector E. coli N-terminal Expansion Kit, 15 rxn, Part Number G7515A		
Part no. (chemical kit)	: G7515A		
Part no.	: SureVector T7 E. coli Promoter	5190-8104	
	SureVector Tac E. coli Promoter	5190-8606	
	SureVector Rhamnose E. coli Promoter	5190-8607	
	SureVector GST E. coli Expression Tag (N-term)	5190-8608	
	SureVector MBP E. coli Expression Tag (N-term)	5190-8609	
	SureVector HIS6 E. coli Expression Tag (N-term)	5190-8610	
	SureVector CBP E. coli Expression Tag (N-term)	5190-8611	
	SureVector SBP E. coli Expression Tag (N-term)	5190-8612	
	SureVector His-DsbA E. coli Expression Tag (N-term)	5190-8613	
	SureVector LacZ Control (N-term)	5190-8103	
Validation date	: 12/3/2021		

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

Material 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 GST E. coli Expression Tag (N-term)	0.03 ml (15 reactions)	
	SureVector MBP E. coli Expression Tag (N-term)	0.03 ml (15 reactions)	
	SureVector HIS6 E. coli Expression Tag (N-term)	0.03 ml (15 reactions)	
	SureVector CBP E. coli Expression Tag (N-term)	0.03 ml (15 reactions)	
	SureVector SBP E. coli Expression Tag (N-term)	0.03 ml (15 reactions)	
	SureVector His-DsbA E. coli Expression Tag (N-term)	0.03 ml (15 reactions)	
	SureVector LacZ Control (N-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
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1.4 Emergency telephone number

In case of emergency	: CHEMTREC®: 1-800-424-9300
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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. 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 GST E. coli Expression Tag (N-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 MBP E. coli Expression Tag (N-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 E. coli Expression Tag (N-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 E. coli Expression Tag (N-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 E. coli Expression Tag (N-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 His-DsbA E. coli Expression Tag (N-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 Control (N-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.

Section 2. Hazards identification

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

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 GST E. coli Expression Tag (N-term)	No signal word.
SureVector MBP E. coli Expression Tag (N-term)	No signal word.
SureVector HIS6 E. coli Expression Tag (N-term)	No signal word.
SureVector CBP E. coli Expression Tag (N-term)	No signal word.
SureVector SBP E. coli Expression Tag (N-term)	No signal word.
SureVector His-DsbA E. coli Expression Tag (N-term)	No signal word.
SureVector LacZ Control (N-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 GST E. coli Expression Tag (N-term)	No known significant effects or critical hazards.
SureVector MBP E. coli Expression Tag (N-term)	No known significant effects or critical hazards.
SureVector HIS6 E. coli Expression Tag (N-term)	No known significant effects or critical hazards.
SureVector CBP E. coli Expression Tag (N-term)	No known significant effects or critical hazards.
SureVector SBP E. coli Expression Tag (N-term)	No known significant effects or critical hazards.
SureVector His-DsbA E. coli Expression Tag (N-term)	No known significant effects or critical hazards.
SureVector LacZ Control (N-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 GST E. coli Expression Tag (N-term)	Not applicable.
SureVector MBP E. coli Expression Tag (N-term)	Not applicable.
SureVector HIS6 E. coli Expression Tag (N-term)	Not applicable.
SureVector CBP E. coli Expression Tag (N-term)	Not applicable.
SureVector SBP E. coli Expression Tag (N-term)	Not applicable.
SureVector His-DsbA E. coli Expression Tag (N-term)	Not applicable.
SureVector LacZ Control (N-term)	Not applicable.

Section 2. Hazards identification

Response	: SureVector T7 E. coli Promoter SureVector Tac E. coli Promoter SureVector Rhamnose E. coli Promoter SureVector GST E. coli Expression Tag (N-term) SureVector MBP E. coli Expression Tag (N-term) SureVector HIS6 E. coli Expression Tag (N-term) SureVector CBP E. coli Expression Tag (N-term) SureVector SBP E. coli Expression Tag (N-term) SureVector His-DsbA E. coli Expression Tag (N-term) SureVector LacZ Control (N-term)	Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable.
Storage	: SureVector T7 E. coli Promoter SureVector Tac E. coli Promoter SureVector Rhamnose E. coli Promoter SureVector GST E. coli Expression Tag (N-term) SureVector MBP E. coli Expression Tag (N-term) SureVector HIS6 E. coli Expression Tag (N-term) SureVector CBP E. coli Expression Tag (N-term) SureVector SBP E. coli Expression Tag (N-term) SureVector His-DsbA E. coli Expression Tag (N-term) SureVector LacZ Control (N-term)	Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable.
Disposal	: SureVector T7 E. coli Promoter SureVector Tac E. coli Promoter SureVector Rhamnose E. coli Promoter SureVector GST E. coli Expression Tag (N-term) SureVector MBP E. coli Expression Tag (N-term) SureVector HIS6 E. coli Expression Tag (N-term) SureVector CBP E. coli Expression Tag (N-term) SureVector SBP E. coli Expression Tag (N-term) SureVector His-DsbA E. coli Expression Tag (N-term) SureVector LacZ Control (N-term)	Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable.
Supplemental label elements	: SureVector T7 E. coli Promoter SureVector Tac E. coli Promoter SureVector Rhamnose E. coli Promoter SureVector GST E. coli Expression Tag (N-term) SureVector MBP E. coli Expression Tag (N-term)	None known. None known. None known. None known. None known.

Section 2. Hazards identification

SureVector HIS6 E. coli Expression Tag (N-term)	None known.
SureVector CBP E. coli Expression Tag (N-term)	None known.
SureVector SBP E. coli Expression Tag (N-term)	None known.
SureVector His-DsbA E. coli Expression Tag (N-term)	None known.
SureVector LacZ Control (N-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 GST E. coli Expression Tag (N-term)	None known.
SureVector MBP E. coli Expression Tag (N-term)	None known.
SureVector HIS6 E. coli Expression Tag (N-term)	None known.
SureVector CBP E. coli Expression Tag (N-term)	None known.
SureVector SBP E. coli Expression Tag (N-term)	None known.
SureVector His-DsbA E. coli Expression Tag (N-term)	None known.
SureVector LacZ Control (N-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 GST E. coli Expression Tag (N-term)	Mixture
		SureVector MBP E. coli Expression Tag (N-term)	Mixture
		SureVector HIS6 E. coli Expression Tag (N-term)	Mixture
		SureVector CBP E. coli Expression Tag (N-term)	Mixture
		SureVector SBP E. coli Expression Tag (N-term)	Mixture
		SureVector His-DsbA E. coli Expression Tag (N-term)	Mixture
		SureVector LacZ Control (N-term)	Mixture

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.

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

Section 4. First aid measures

4.1 Description of necessary first aid measures

Eye contact

: SureVector T7 E. coli Promoter	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
SureVector Tac E. coli Promoter	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
SureVector Rhamnose E. coli Promoter	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
SureVector GST E. coli Expression Tag (N-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 MBP E. coli Expression Tag (N-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 E. coli Expression Tag (N-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 E. coli Expression Tag (N-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 E. coli Expression Tag (N-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 His-DsbA E. coli Expression Tag (N-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 Control (N-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 GST E. coli Expression Tag (N-term)	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
SureVector MBP E. coli Expression Tag (N-term)	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
SureVector HIS6 E. coli Expression Tag (N-term)	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

Section 4. First aid measures

	SureVector CBP E. coli Expression Tag (N-term)	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	SureVector SBP E. coli Expression Tag (N-term)	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	SureVector His-DsbA E. coli Expression Tag (N-term)	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	SureVector LacZ Control (N-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 GST E. coli Expression Tag (N-term)	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	SureVector MBP E. coli Expression Tag (N-term)	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	SureVector HIS6 E. coli Expression Tag (N-term)	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	SureVector CBP E. coli Expression Tag (N-term)	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	SureVector SBP E. coli Expression Tag (N-term)	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	SureVector His-DsbA E. coli Expression Tag (N-term)	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	SureVector LacZ Control (N-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, 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.

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SureVector GST E. coli Expression Tag (N-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 MBP E. coli Expression Tag (N-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 E. coli Expression Tag (N-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 E. coli Expression Tag (N-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 E. coli Expression Tag (N-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 His-DsbA E. coli Expression Tag (N-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 Control (N-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 GST E. coli Expression Tag (N-term)	No known significant effects or critical hazards.
SureVector MBP E. coli Expression Tag (N-term)	No known significant effects or critical hazards.
SureVector HIS6 E. coli Expression Tag (N-term)	No known significant effects or critical hazards.
SureVector CBP E. coli Expression Tag (N-term)	No known significant effects or critical hazards.
SureVector SBP E. coli Expression Tag (N-term)	No known significant effects or critical hazards.

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	SureVector His-DsbA E. coli Expression Tag (N-term)	No known significant effects or critical hazards.
	SureVector LacZ Control (N-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 GST E. coli Expression Tag (N-term)	No known significant effects or critical hazards.
	SureVector MBP E. coli Expression Tag (N-term)	No known significant effects or critical hazards.
	SureVector HIS6 E. coli Expression Tag (N-term)	No known significant effects or critical hazards.
	SureVector CBP E. coli Expression Tag (N-term)	No known significant effects or critical hazards.
	SureVector SBP E. coli Expression Tag (N-term)	No known significant effects or critical hazards.
	SureVector His-DsbA E. coli Expression Tag (N-term)	No known significant effects or critical hazards.
	SureVector LacZ Control (N-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 GST E. coli Expression Tag (N-term)	No known significant effects or critical hazards.
	SureVector MBP E. coli Expression Tag (N-term)	No known significant effects or critical hazards.
	SureVector HIS6 E. coli Expression Tag (N-term)	No known significant effects or critical hazards.
	SureVector CBP E. coli Expression Tag (N-term)	No known significant effects or critical hazards.
	SureVector SBP E. coli Expression Tag (N-term)	No known significant effects or critical hazards.
	SureVector His-DsbA E. coli Expression Tag (N-term)	No known significant effects or critical hazards.
	SureVector LacZ Control (N-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 GST E. coli Expression Tag (N-term)	No known significant effects or critical hazards.
	SureVector MBP E. coli Expression Tag (N-term)	No known significant effects or critical hazards.
	SureVector HIS6 E. coli Expression Tag (N-term)	No known significant effects or critical hazards.
	SureVector CBP E. coli Expression Tag (N-term)	No known significant effects or critical hazards.
	SureVector SBP E. coli Expression Tag (N-term)	No known significant effects or critical hazards.
	SureVector His-DsbA E. coli Expression Tag (N-term)	No known significant effects or critical hazards.
	SureVector LacZ Control (N-term)	No known significant effects or critical hazards.

Over-exposure signs/symptoms

Section 4. First aid measures

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 GST E. coli Expression Tag (N-term)	No specific data.	
	SureVector MBP E. coli Expression Tag (N-term)	No specific data.	
	SureVector HIS6 E. coli Expression Tag (N-term)	No specific data.	
	SureVector CBP E. coli Expression Tag (N-term)	No specific data.	
	SureVector SBP E. coli Expression Tag (N-term)	No specific data.	
	SureVector His-DsbA E. coli Expression Tag (N-term)	No specific data.	
	SureVector LacZ Control (N-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 GST E. coli Expression Tag (N-term)		No specific data.	
SureVector MBP E. coli Expression Tag (N-term)		No specific data.	
SureVector HIS6 E. coli Expression Tag (N-term)		No specific data.	
SureVector CBP E. coli Expression Tag (N-term)		No specific data.	
SureVector SBP E. coli Expression Tag (N-term)		No specific data.	
SureVector His-DsbA E. coli Expression Tag (N-term)		No specific data.	
SureVector LacZ Control (N-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 GST E. coli Expression Tag (N-term)	No specific data.	
	SureVector MBP E. coli Expression Tag (N-term)	No specific data.	
	SureVector HIS6 E. coli Expression Tag (N-term)	No specific data.	
	SureVector CBP E. coli Expression Tag (N-term)	No specific data.	
	SureVector SBP E. coli Expression Tag (N-term)	No specific data.	
	SureVector His-DsbA E. coli Expression Tag (N-term)	No specific data.	
	SureVector LacZ Control (N-term)	No specific data.	
	Ingestion	: SureVector T7 E. coli Promoter	No specific data.
		SureVector Tac E. coli Promoter	No specific data.
		SureVector Rhamnose E. coli Promoter	No specific data.
SureVector GST E. coli Expression Tag (N-term)		No specific data.	
SureVector MBP E. coli Expression Tag (N-term)		No specific data.	
SureVector LacZ Control (N-term)		No specific data.	

Section 4. First aid measures

SureVector HIS6 E. coli Expression Tag (N-term)	No specific data.
SureVector CBP E. coli Expression Tag (N-term)	No specific data.
SureVector SBP E. coli Expression Tag (N-term)	No specific data.
SureVector His-DsbA E. coli Expression Tag (N-term)	No specific data.
SureVector LacZ Control (N-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 GST E. coli Expression Tag (N-term)	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
		SureVector MBP E. coli Expression Tag (N-term)	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
		SureVector HIS6 E. coli Expression Tag (N-term)	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
		SureVector CBP E. coli Expression Tag (N-term)	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
		SureVector SBP E. coli Expression Tag (N-term)	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
		SureVector His-DsbA E. coli Expression Tag (N-term)	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
		SureVector LacZ Control (N-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 GST E. coli Expression Tag (N-term)	No specific treatment.
		SureVector MBP E. coli Expression Tag (N-term)	No specific treatment.
		SureVector HIS6 E. coli Expression Tag (N-term)	No specific treatment.
		SureVector CBP E. coli Expression Tag (N-term)	No specific treatment.
		SureVector SBP E. coli Expression Tag (N-term)	No specific treatment.
		SureVector His-DsbA E. coli Expression Tag (N-term)	No specific treatment.
		SureVector LacZ Control (N-term)	No specific treatment.

Section 4. First aid measures

Protection of first-aiders	: SureVector T7 E. coli Promoter SureVector Tac E. coli Promoter SureVector Rhamnose E. coli Promoter SureVector GST E. coli Expression Tag (N-term) SureVector MBP E. coli Expression Tag (N-term) SureVector HIS6 E. coli Expression Tag (N-term) SureVector CBP E. coli Expression Tag (N-term) SureVector SBP E. coli Expression Tag (N-term) SureVector His-DsbA E. coli Expression Tag (N-term) SureVector LacZ Control (N-term)	No action shall be taken involving any personal risk or without suitable training. No action shall be taken involving any personal risk or without suitable training. No action shall be taken involving any personal risk or without suitable training. No action shall be taken involving any personal risk or without suitable training. No action shall be taken involving any personal risk or without suitable training. No action shall be taken involving any personal risk or without suitable training. No action shall be taken involving any personal risk or without suitable training. No action shall be taken involving any personal risk or without suitable training. No action shall be taken involving any personal risk or without suitable training. No action shall be taken involving any personal risk or without suitable training. No action shall be taken involving any personal risk or without suitable training. No action shall be taken involving any personal risk or without suitable training.
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See toxicological information (Section 11)

Section 5. Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media	: SureVector T7 E. coli Promoter SureVector Tac E. coli Promoter SureVector Rhamnose E. coli Promoter SureVector GST E. coli Expression Tag (N-term) SureVector MBP E. coli Expression Tag (N-term) SureVector HIS6 E. coli Expression Tag (N-term) SureVector CBP E. coli Expression Tag (N-term) SureVector SBP E. coli Expression Tag (N-term) SureVector His-DsbA E. coli Expression Tag (N-term) SureVector LacZ Control (N-term)	Use an extinguishing agent suitable for the surrounding fire. Use an extinguishing agent suitable for the surrounding fire. Use an extinguishing agent suitable for the surrounding fire. Use an extinguishing agent suitable for the surrounding fire. Use an extinguishing agent suitable for the surrounding fire. Use an extinguishing agent suitable for the surrounding fire. Use an extinguishing agent suitable for the surrounding fire. Use an extinguishing agent suitable for the surrounding fire. Use an extinguishing agent suitable for the surrounding fire. Use an extinguishing agent suitable for the surrounding fire. Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media	: SureVector T7 E. coli Promoter SureVector Tac E. coli Promoter SureVector Rhamnose E. coli Promoter SureVector GST E. coli Expression Tag (N-term) SureVector MBP E. coli Expression Tag (N-term) SureVector HIS6 E. coli Expression Tag (N-term) SureVector CBP E. coli Expression Tag (N-term) SureVector SBP E. coli	None known. None known. None known. None known. None known. None known. None known. None known.

Section 5. Fire-fighting measures

Expression Tag (N-term) SureVector His-DsbA E. coli	None known.
Expression Tag (N-term) SureVector LacZ Control (N-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 GST E. coli Expression Tag (N-term)	In a fire or if heated, a pressure increase will occur and the container may burst.	
	SureVector MBP E. coli Expression Tag (N-term)	In a fire or if heated, a pressure increase will occur and the container may burst.	
	SureVector HIS6 E. coli Expression Tag (N-term)	In a fire or if heated, a pressure increase will occur and the container may burst.	
	SureVector CBP E. coli Expression Tag (N-term)	In a fire or if heated, a pressure increase will occur and the container may burst.	
	SureVector SBP E. coli Expression Tag (N-term)	In a fire or if heated, a pressure increase will occur and the container may burst.	
	SureVector His-DsbA E. coli Expression Tag (N-term)	In a fire or if heated, a pressure increase will occur and the container may burst.	
	SureVector LacZ Control (N-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 GST E. coli Expression Tag (N-term)	No specific data.
SureVector MBP E. coli Expression Tag (N-term)		No specific data.	
SureVector HIS6 E. coli Expression Tag (N-term)		No specific data.	
SureVector CBP E. coli Expression Tag (N-term)		No specific data.	
SureVector SBP E. coli Expression Tag (N-term)		No specific data.	
SureVector His-DsbA E. coli Expression Tag (N-term)		No specific data.	
SureVector LacZ Control (N-term)		No specific data.	

5.3 Advice for firefighters

Special protective actions for fire-fighters	: SureVector T7 E. coli Promoter	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
	SureVector Tac E. coli Promoter	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
	SureVector Rhamnose E. coli Promoter	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
	SureVector GST E. coli	Promptly isolate the scene by removing all persons

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Expression Tag (N-term)	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 MBP E. coli Expression Tag (N-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 E. coli Expression Tag (N-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 E. coli Expression Tag (N-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 E. coli Expression Tag (N-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 His-DsbA E. coli Expression Tag (N-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 Control (N-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 GST E. coli Expression Tag (N-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 MBP E. coli Expression Tag (N-term)	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
SureVector HIS6 E. coli Expression Tag (N-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 CBP E. coli Expression Tag (N-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 E. coli Expression Tag (N-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 His-DsbA E. coli	Fire-fighters should wear appropriate protective

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Expression Tag (N-term)	equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
SureVector LacZ Control (N-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 GST E. coli Expression Tag (N-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 MBP E. coli Expression Tag (N-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 E. coli Expression Tag (N-term)	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.
	SureVector CBP E. coli Expression Tag (N-term)	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.
	SureVector SBP E. coli Expression Tag (N-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 His-DsbA E. coli	No action shall be taken involving any personal

Section 6. Accidental release measures

Expression Tag (N-term)	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 Control (N-term)	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.
For emergency responders : SureVector T7 E. coli Promoter	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureVector Tac E. coli Promoter	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureVector Rhamnose E. coli Promoter	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureVector GST E. coli Expression Tag (N-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 MBP E. coli Expression Tag (N-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 E. coli Expression Tag (N-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 E. coli Expression Tag (N-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 E. coli Expression Tag (N-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 His-DsbA E. coli Expression Tag (N-term)	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureVector LacZ Control (N-term)	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
6.2 Environmental precautions : 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.

Section 6. Accidental release measures

SureVector Rhamnose E. coli Promoter	Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). 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 GST E. coli Expression Tag (N-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 MBP E. coli Expression Tag (N-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 E. coli Expression Tag (N-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 E. coli Expression Tag (N-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 E. coli Expression Tag (N-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 His-DsbA E. coli Expression Tag (N-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 Control (N-term)	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up : SureVector T7 E. coli Promoter	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
SureVector Tac E. coli Promoter	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
SureVector Rhamnose E. coli Promoter	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble.

Section 6. Accidental release measures

SureVector GST E. coli Expression Tag (N-term)	Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor. Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
SureVector MBP E. coli Expression Tag (N-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 E. coli Expression Tag (N-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 E. coli Expression Tag (N-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 E. coli Expression Tag (N-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 His-DsbA E. coli Expression Tag (N-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 Control (N-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 GST E. coli Expression Tag (N-term)	Put on appropriate personal protective equipment (see Section 8).
	SureVector MBP E. coli Expression Tag (N-term)	Put on appropriate personal protective equipment (see Section 8).

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SureVector HIS6 <i>E. coli</i> Expression Tag (N-term)	Put on appropriate personal protective equipment (see Section 8).
SureVector CBP <i>E. coli</i> Expression Tag (N-term)	Put on appropriate personal protective equipment (see Section 8).
SureVector SBP <i>E. coli</i> Expression Tag (N-term)	Put on appropriate personal protective equipment (see Section 8).
SureVector His-DsbA <i>E. coli</i> Expression Tag (N-term)	Put on appropriate personal protective equipment (see Section 8).
SureVector LacZ Control (N-term)	Put on appropriate personal protective equipment (see Section 8).
Advice on general occupational hygiene	
: SureVector T7 <i>E. coli</i> 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 <i>E. coli</i> 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 <i>E. coli</i> 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 GST <i>E. coli</i> Expression Tag (N-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 MBP <i>E. coli</i> Expression Tag (N-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 <i>E. coli</i> Expression Tag (N-term)	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
SureVector CBP <i>E. coli</i> Expression Tag (N-term)	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
SureVector SBP <i>E. coli</i>	Eating, drinking and smoking should be prohibited

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Expression Tag (N-term)	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 His-DsbA <i>E. coli</i> Expression Tag (N-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 Control (N-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 <i>E. coli</i> 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 <i>E. coli</i> 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 <i>E. coli</i> 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 GST <i>E. coli</i> Expression Tag (N-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

Section 7. Handling and storage

SureVector MBP *E. coli*
Expression Tag (N-term)

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 HIS6 *E. coli*
Expression Tag (N-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 *E. coli*
Expression Tag (N-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 *E. coli*
Expression Tag (N-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 His-DsbA *E. coli*
Expression Tag (N-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.

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SureVector LacZ Control (N-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 GST E. coli Expression Tag (N-term)	Industrial applications, Professional applications.
SureVector MBP E. coli Expression Tag (N-term)	Industrial applications, Professional applications.
SureVector HIS6 E. coli Expression Tag (N-term)	Industrial applications, Professional applications.
SureVector CBP E. coli Expression Tag (N-term)	Industrial applications, Professional applications.
SureVector SBP E. coli Expression Tag (N-term)	Industrial applications, Professional applications.
SureVector His-DsbA E. coli Expression Tag (N-term)	Industrial applications, Professional applications.
SureVector LacZ Control (N-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 GST E. coli Expression Tag (N-term)	Not available.
SureVector MBP E. coli Expression Tag (N-term)	Not available.
SureVector HIS6 E. coli Expression Tag (N-term)	Not available.
SureVector CBP E. coli Expression Tag (N-term)	Not available.
SureVector SBP E. coli Expression Tag (N-term)	Not available.
SureVector His-DsbA E. coli Expression Tag (N-term)	Not available.
SureVector LacZ Control (N-term)	Not available.

Section 8. Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
None.	

8.2 Exposure controls

Section 8. Exposure controls/personal protection

- 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 GST E. coli Expression Tag (N-term)	Liquid.
	SureVector MBP E. coli Expression Tag (N-term)	Liquid.
	SureVector HIS6 E. coli Expression Tag (N-term)	Liquid.
	SureVector CBP E. coli Expression Tag (N-term)	Liquid.
	SureVector SBP E. coli Expression Tag (N-term)	Liquid.
	SureVector His-DsbA E. coli Expression Tag (N-term)	Liquid.
	SureVector LacZ Control (N-term)	Liquid.

Section 9. Physical and chemical properties and safety characteristics

Color	:	SureVector T7 E. coli Promoter	Not available.		
		SureVector Tac E. coli Promoter	Not available.		
		SureVector Rhamnose E. coli Promoter	Not available.		
		SureVector GST E. coli Expression Tag (N-term)	Not available.		
		SureVector MBP E. coli Expression Tag (N-term)	Not available.		
		SureVector HIS6 E. coli Expression Tag (N-term)	Not available.		
		SureVector CBP E. coli Expression Tag (N-term)	Not available.		
		SureVector SBP E. coli Expression Tag (N-term)	Not available.		
		SureVector His-DsbA E. coli Expression Tag (N-term)	Not available.		
		SureVector LacZ Control (N-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 GST E. coli Expression Tag (N-term)	Not available.				
SureVector MBP E. coli Expression Tag (N-term)	Not available.				
SureVector HIS6 E. coli Expression Tag (N-term)	Not available.				
SureVector CBP E. coli Expression Tag (N-term)	Not available.				
SureVector SBP E. coli Expression Tag (N-term)	Not available.				
SureVector His-DsbA E. coli Expression Tag (N-term)	Not available.				
SureVector LacZ Control (N-term)	Not available.				
Odor threshold	:			SureVector T7 E. coli Promoter	Not available.
				SureVector Tac E. coli Promoter	Not available.
				SureVector Rhamnose E. coli Promoter	Not available.
		SureVector GST E. coli Expression Tag (N-term)	Not available.		
		SureVector MBP E. coli Expression Tag (N-term)	Not available.		
		SureVector HIS6 E. coli Expression Tag (N-term)	Not available.		
		SureVector CBP E. coli Expression Tag (N-term)	Not available.		
		SureVector SBP E. coli Expression Tag (N-term)	Not available.		
		SureVector His-DsbA E. coli Expression Tag (N-term)	Not available.		
		SureVector LacZ Control (N-term)	Not available.		
		pH	:	SureVector T7 E. coli Promoter	8
				SureVector Tac E. coli Promoter	8
				SureVector Rhamnose E. coli Promoter	8
SureVector GST E. coli Expression Tag (N-term)	8				
SureVector MBP E. coli Expression Tag (N-term)	8				
SureVector HIS6 E. coli	8				

Section 9. Physical and chemical properties and safety characteristics

	Expression Tag (N-term)	
	SureVector CBP E. coli	8
	Expression Tag (N-term)	
	SureVector SBP E. coli	8
	Expression Tag (N-term)	
	SureVector His-DsbA E. coli	8
	Expression Tag (N-term)	
	SureVector LacZ Control (N-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 GST E. coli	0°C (32°F)
	Expression Tag (N-term)	
	SureVector MBP E. coli	0°C (32°F)
	Expression Tag (N-term)	
	SureVector HIS6 E. coli	0°C (32°F)
	Expression Tag (N-term)	
	SureVector CBP E. coli	0°C (32°F)
	Expression Tag (N-term)	
	SureVector SBP E. coli	0°C (32°F)
	Expression Tag (N-term)	
	SureVector His-DsbA E. coli	0°C (32°F)
	Expression Tag (N-term)	
	SureVector LacZ Control (N-term)	0°C (32°F)
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 GST E. coli	100°C (212°F)
	Expression Tag (N-term)	
	SureVector MBP E. coli	100°C (212°F)
	Expression Tag (N-term)	
	SureVector HIS6 E. coli	100°C (212°F)
	Expression Tag (N-term)	
	SureVector CBP E. coli	100°C (212°F)
	Expression Tag (N-term)	
	SureVector SBP E. coli	100°C (212°F)
	Expression Tag (N-term)	
	SureVector His-DsbA E. coli	100°C (212°F)
	Expression Tag (N-term)	
	SureVector LacZ Control (N-term)	100°C (212°F)

Flash point	Ingredient name	Closed cup			Open cup		
		°C	°F	Method	°C	°F	Method
	SureVector T7 E. coli Promoter						
	Edetic acid	>100	>212	DIN 51758			
	SureVector Tac E. coli Promoter						
	Edetic acid	>100	>212	DIN 51758			
	SureVector Rhamnose E. coli Promoter						
	Edetic acid	>100	>212	DIN 51758			

Section 9. Physical and chemical properties and safety characteristics

SureVector GST E. coli Expression Tag (N-term)						
Edetic acid	>100	>212	DIN 51758			
SureVector MBP E. coli Expression Tag (N-term)						
Edetic acid	>100	>212	DIN 51758			
SureVector HIS6 E. coli Expression Tag (N-term)						
Edetic acid	>100	>212	DIN 51758			
SureVector CBP E. coli Expression Tag (N-term)						
Edetic acid	>100	>212	DIN 51758			
SureVector SBP E. coli Expression Tag (N-term)						
Edetic acid	>100	>212	DIN 51758			
SureVector His-DsbA E. coli Expression Tag (N-term)						
Edetic acid	>100	>212	DIN 51758			
SureVector LacZ Control (N-term)						
Edetic acid	>100	>212	DIN 51758			

Evaporation rate

- : SureVector T7 E. coli Promoter Not available.
- SureVector Tac E. coli Promoter Not available.
- SureVector Rhamnose E. coli Promoter Not available.
- SureVector GST E. coli Expression Tag (N-term) Not available.
- SureVector MBP E. coli Expression Tag (N-term) Not available.
- SureVector HIS6 E. coli Expression Tag (N-term) Not available.
- SureVector CBP E. coli Expression Tag (N-term) Not available.
- SureVector SBP E. coli Expression Tag (N-term) Not available.
- SureVector His-DsbA E. coli Expression Tag (N-term) Not available.
- SureVector LacZ Control (N-term) Not available.

Flammability

- : SureVector T7 E. coli Promoter Not applicable.
- SureVector Tac E. coli Promoter Not applicable.
- SureVector Rhamnose E. coli Promoter Not applicable.
- SureVector GST E. coli Expression Tag (N-term) Not applicable.
- SureVector MBP E. coli Expression Tag (N-term) Not applicable.
- SureVector HIS6 E. coli Expression Tag (N-term) Not applicable.
- SureVector CBP E. coli Not applicable.

Section 9. Physical and chemical properties and safety characteristics

	Expression Tag (N-term)	
	SureVector SBP E. coli	Not applicable.
	Expression Tag (N-term)	
	SureVector His-DsbA E. coli	Not applicable.
	Expression Tag (N-term)	
	SureVector LacZ Control (N-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 GST E. coli	Not available.
	Expression Tag (N-term)	
	SureVector MBP E. coli	Not available.
	Expression Tag (N-term)	
	SureVector HIS6 E. coli	Not available.
	Expression Tag (N-term)	
	SureVector CBP E. coli	Not available.
	Expression Tag (N-term)	
	SureVector SBP E. coli	Not available.
	Expression Tag (N-term)	
	SureVector His-DsbA E. coli	Not available.
	Expression Tag (N-term)	
	SureVector LacZ Control (N-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	
2-Amino-2-(hydroxymethyl)propane-1,3-diol hydrochloride	0	0		0.000007501	0.000001	
SureVector Tac E. coli Promoter						
Water	23.8	3.2		92.258	12.3	
2-Amino-2-(hydroxymethyl)propane-1,3-diol hydrochloride	0	0		0.000007501	0.000001	
SureVector Rhamnose E. coli Promoter						
Water	23.8	3.2		92.258	12.3	
2-Amino-2-(hydroxymethyl)propane-1,3-diol hydrochloride	0	0		0.000007501	0.000001	
SureVector GST E. coli Expression Tag (N-term)						
Water	23.8	3.2		92.258	12.3	
2-Amino-2-(hydroxymethyl)propane-1,3-diol hydrochloride	0	0		0.000007501	0.000001	
SureVector MBP E. coli Expression Tag (N-term)						

Section 9. Physical and chemical properties and safety characteristics

Water	23.8	3.2		92.258	12.3
2-Amino-2-(hydroxymethyl)propane-1,3-diol hydrochloride	0	0		0.000007501	0.000001
SureVector HIS6 E. coli Expression Tag (N-term)					
Water	23.8	3.2		92.258	12.3
2-Amino-2-(hydroxymethyl)propane-1,3-diol hydrochloride	0	0		0.000007501	0.000001
SureVector CBP E. coli Expression Tag (N-term)					
Water	23.8	3.2		92.258	12.3
2-Amino-2-(hydroxymethyl)propane-1,3-diol hydrochloride	0	0		0.000007501	0.000001
SureVector SBP E. coli Expression Tag (N-term)					
Water	23.8	3.2		92.258	12.3
2-Amino-2-(hydroxymethyl)propane-1,3-diol hydrochloride	0	0		0.000007501	0.000001
SureVector His-DsbA E. coli Expression Tag (N-term)					
Water	23.8	3.2		92.258	12.3
2-Amino-2-(hydroxymethyl)propane-1,3-diol hydrochloride	0	0		0.000007501	0.000001
SureVector LacZ Control (N-term)					
Water	23.8	3.2		92.258	12.3
2-Amino-2-(hydroxymethyl)propane-1,3-diol hydrochloride	0	0		0.000007501	0.000001

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 GST E. coli Expression Tag (N-term)	Not available.
SureVector MBP E. coli Expression Tag (N-term)	Not available.
SureVector HIS6 E. coli Expression Tag (N-term)	Not available.
SureVector CBP E. coli Expression Tag (N-term)	Not available.
SureVector SBP E. coli Expression Tag (N-term)	Not available.
SureVector His-DsbA E. coli Expression Tag (N-term)	Not available.

Section 9. Physical and chemical properties and safety characteristics

	SureVector LacZ Control (N-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 GST E. coli Expression Tag (N-term)	Not available.
	SureVector MBP E. coli Expression Tag (N-term)	Not available.
	SureVector HIS6 E. coli Expression Tag (N-term)	Not available.
	SureVector CBP E. coli Expression Tag (N-term)	Not available.
	SureVector SBP E. coli Expression Tag (N-term)	Not available.
	SureVector His-DsbA E. coli Expression Tag (N-term)	Not available.
	SureVector LacZ Control (N-term)	Not available.
Solubility	: SureVector T7 E. coli Promoter	Easily soluble in the following materials: cold water and hot water.
	SureVector Tac E. coli Promoter	Easily soluble in the following materials: cold water and hot water.
	SureVector Rhamnose E. coli Promoter	Easily soluble in the following materials: cold water and hot water.
	SureVector GST E. coli Expression Tag (N-term)	Easily soluble in the following materials: cold water and hot water.
	SureVector MBP E. coli Expression Tag (N-term)	Easily soluble in the following materials: cold water and hot water.
	SureVector HIS6 E. coli Expression Tag (N-term)	Easily soluble in the following materials: cold water and hot water.
	SureVector CBP E. coli Expression Tag (N-term)	Easily soluble in the following materials: cold water and hot water.
	SureVector SBP E. coli Expression Tag (N-term)	Easily soluble in the following materials: cold water and hot water.
	SureVector His-DsbA E. coli Expression Tag (N-term)	Easily soluble in the following materials: cold water and hot water.
	SureVector LacZ Control (N-term)	Easily soluble in the following materials: cold water and hot water.
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 GST E. coli Expression Tag (N-term)	Not applicable.
	SureVector MBP E. coli Expression Tag (N-term)	Not applicable.
	SureVector HIS6 E. coli Expression Tag (N-term)	Not applicable.
	SureVector CBP E. coli Expression Tag (N-term)	Not applicable.
	SureVector SBP E. coli Expression Tag (N-term)	Not applicable.
	SureVector His-DsbA E. coli Expression Tag (N-term)	Not applicable.
	SureVector LacZ Control (N-term)	Not applicable.
Auto-ignition temperature	:	

Section 9. Physical and chemical properties and safety characteristics

Ingredient name	°C	°F	Method
SureVector T7 E. coli Promoter			
Edetic acid	>400	>752	VDI 2263
SureVector Tac E. coli Promoter			
Edetic acid	>400	>752	VDI 2263
SureVector Rhamnose E. coli Promoter			
Edetic acid	>400	>752	VDI 2263
SureVector GST E. coli Expression Tag (N-term)			
Edetic acid	>400	>752	VDI 2263
SureVector MBP E. coli Expression Tag (N-term)			
Edetic acid	>400	>752	VDI 2263
SureVector HIS6 E. coli Expression Tag (N-term)			
Edetic acid	>400	>752	VDI 2263
SureVector CBP E. coli Expression Tag (N-term)			
Edetic acid	>400	>752	VDI 2263
SureVector SBP E. coli Expression Tag (N-term)			
Edetic acid	>400	>752	VDI 2263
SureVector His-DsbA E. coli Expression Tag (N-term)			
Edetic acid	>400	>752	VDI 2263
SureVector LacZ Control (N-term)			
Edetic acid	>400	>752	VDI 2263

Decomposition temperature : SureVector T7 E. coli Promoter Not available.
 SureVector Tac E. coli Promoter Not available.
 SureVector Rhamnose E. coli Promoter Not available.
 SureVector GST E. coli Expression Tag (N-term) Not available.
 SureVector MBP E. coli Expression Tag (N-term) Not available.
 SureVector HIS6 E. coli Expression Tag (N-term) Not available.
 SureVector CBP E. coli Expression Tag (N-term) Not available.
 SureVector SBP E. coli Expression Tag (N-term) Not available.
 SureVector His-DsbA E. coli Not available.

Section 9. Physical and chemical properties and safety characteristics

	Expression Tag (N-term)	
	SureVector LacZ Control (N-term)	Not available.
Viscosity	: SureVector T7 E. coli Promoter	Not available.
	SureVector Tac E. coli Promoter	Not available.
	SureVector Rhamnose E. coli Promoter	Not available.
	SureVector GST E. coli Expression Tag (N-term)	Not available.
	SureVector MBP E. coli Expression Tag (N-term)	Not available.
	SureVector HIS6 E. coli Expression Tag (N-term)	Not available.
	SureVector CBP E. coli Expression Tag (N-term)	Not available.
	SureVector SBP E. coli Expression Tag (N-term)	Not available.
	SureVector His-DsbA E. coli Expression Tag (N-term)	Not available.
	SureVector LacZ Control (N-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 GST E. coli Expression Tag (N-term)	Not applicable.
	SureVector MBP E. coli Expression Tag (N-term)	Not applicable.
	SureVector HIS6 E. coli Expression Tag (N-term)	Not applicable.
	SureVector CBP E. coli Expression Tag (N-term)	Not applicable.
	SureVector SBP E. coli Expression Tag (N-term)	Not applicable.
	SureVector His-DsbA E. coli Expression Tag (N-term)	Not applicable.
	SureVector LacZ Control (N-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 GST E. coli Expression Tag (N-term)	No specific test data related to reactivity available for this product or its ingredients.
	SureVector MBP E. coli Expression Tag (N-term)	No specific test data related to reactivity available for this product or its ingredients.
	SureVector HIS6 E. coli Expression Tag (N-term)	No specific test data related to reactivity available for this product or its ingredients.
	SureVector CBP E. coli Expression Tag (N-term)	No specific test data related to reactivity available for this product or its ingredients.
	SureVector SBP E. coli Expression Tag (N-term)	No specific test data related to reactivity available for this product or its ingredients.
	SureVector His-DsbA E. coli Expression Tag (N-term)	No specific test data related to reactivity available for this product or its ingredients.
	SureVector LacZ Control (N-term)	No specific test data related to reactivity available for this product or its ingredients.

Section 10. Stability and reactivity

10.2 Chemical stability

SureVector T7 E. coli Promoter	The product is stable.
SureVector Tac E. coli Promoter	The product is stable.
SureVector Rhamnose E. coli Promoter	The product is stable.
SureVector GST E. coli Expression Tag (N-term)	The product is stable.
SureVector MBP E. coli Expression Tag (N-term)	The product is stable.
SureVector HIS6 E. coli Expression Tag (N-term)	The product is stable.
SureVector CBP E. coli Expression Tag (N-term)	The product is stable.
SureVector SBP E. coli Expression Tag (N-term)	The product is stable.
SureVector His-DsbA E. coli Expression Tag (N-term)	The product is stable.
SureVector LacZ Control (N-term)	The product is stable.

10.3 Possibility of hazardous reactions

SureVector T7 E. coli Promoter	Under normal conditions of storage and use, hazardous reactions will not occur.
SureVector Tac E. coli Promoter	Under normal conditions of storage and use, hazardous reactions will not occur.
SureVector Rhamnose E. coli Promoter	Under normal conditions of storage and use, hazardous reactions will not occur.
SureVector GST E. coli Expression Tag (N-term)	Under normal conditions of storage and use, hazardous reactions will not occur.
SureVector MBP E. coli Expression Tag (N-term)	Under normal conditions of storage and use, hazardous reactions will not occur.
SureVector HIS6 E. coli Expression Tag (N-term)	Under normal conditions of storage and use, hazardous reactions will not occur.
SureVector CBP E. coli Expression Tag (N-term)	Under normal conditions of storage and use, hazardous reactions will not occur.
SureVector SBP E. coli Expression Tag (N-term)	Under normal conditions of storage and use, hazardous reactions will not occur.
SureVector His-DsbA E. coli Expression Tag (N-term)	Under normal conditions of storage and use, hazardous reactions will not occur.
SureVector LacZ Control (N-term)	Under normal conditions of storage and use, hazardous reactions will not occur.

10.4 Conditions to avoid

SureVector T7 E. coli Promoter	No specific data.
SureVector Tac E. coli Promoter	No specific data.
SureVector Rhamnose E. coli Promoter	No specific data.
SureVector GST E. coli Expression Tag (N-term)	No specific data.
SureVector MBP E. coli Expression Tag (N-term)	No specific data.
SureVector HIS6 E. coli Expression Tag (N-term)	No specific data.
SureVector CBP E. coli Expression Tag (N-term)	No specific data.
SureVector SBP E. coli Expression Tag (N-term)	No specific data.
SureVector His-DsbA E. coli Expression Tag (N-term)	No specific data.
SureVector LacZ Control (N-term)	No specific data.

Section 10. Stability and reactivity

10.5 Incompatible materials	: SureVector T7 E. coli Promoter SureVector Tac E. coli Promoter SureVector Rhamnose E. coli Promoter SureVector GST E. coli Expression Tag (N-term) SureVector MBP E. coli Expression Tag (N-term) SureVector HIS6 E. coli Expression Tag (N-term) SureVector CBP E. coli Expression Tag (N-term) SureVector SBP E. coli Expression Tag (N-term) SureVector His-DsbA E. coli Expression Tag (N-term) SureVector LacZ Control (N-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. 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 GST E. coli Expression Tag (N-term) SureVector MBP E. coli Expression Tag (N-term) SureVector HIS6 E. coli Expression Tag (N-term) SureVector CBP E. coli Expression Tag (N-term) SureVector SBP E. coli Expression Tag (N-term) SureVector His-DsbA E. coli Expression Tag (N-term) SureVector LacZ Control (N-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 GST E. coli Expression Tag (N-term)	Not available.
	SureVector MBP E. coli Expression Tag (N-term)	Not available.
	SureVector HIS6 E. coli Expression Tag (N-term)	Not available.
	SureVector CBP E. coli Expression Tag (N-term)	Not available.
	SureVector SBP E. coli Expression Tag (N-term)	Not available.
	SureVector His-DsbA E. coli Expression Tag (N-term)	Not available.
	SureVector LacZ Control (N-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 GST E. coli Expression Tag (N-term)	No known significant effects or critical hazards.
	SureVector MBP E. coli Expression Tag (N-term)	No known significant effects or critical hazards.
	SureVector HIS6 E. coli Expression Tag (N-term)	No known significant effects or critical hazards.
	SureVector His-DsbA E. coli Expression Tag (N-term)	No known significant effects or critical hazards.
	SureVector LacZ Control (N-term)	No known significant effects or critical hazards.

Section 11. Toxicological information

	SureVector CBP E. coli Expression Tag (N-term)	No known significant effects or critical hazards.
	SureVector SBP E. coli Expression Tag (N-term)	No known significant effects or critical hazards.
	SureVector His-DsbA E. coli Expression Tag (N-term)	No known significant effects or critical hazards.
	SureVector LacZ Control (N-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 GST E. coli Expression Tag (N-term)	No known significant effects or critical hazards.
	SureVector MBP E. coli Expression Tag (N-term)	No known significant effects or critical hazards.
	SureVector HIS6 E. coli Expression Tag (N-term)	No known significant effects or critical hazards.
	SureVector CBP E. coli Expression Tag (N-term)	No known significant effects or critical hazards.
	SureVector SBP E. coli Expression Tag (N-term)	No known significant effects or critical hazards.
	SureVector His-DsbA E. coli Expression Tag (N-term)	No known significant effects or critical hazards.
	SureVector LacZ Control (N-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 GST E. coli Expression Tag (N-term)	No known significant effects or critical hazards.
	SureVector MBP E. coli Expression Tag (N-term)	No known significant effects or critical hazards.
	SureVector HIS6 E. coli Expression Tag (N-term)	No known significant effects or critical hazards.
	SureVector CBP E. coli Expression Tag (N-term)	No known significant effects or critical hazards.
	SureVector SBP E. coli Expression Tag (N-term)	No known significant effects or critical hazards.
	SureVector His-DsbA E. coli Expression Tag (N-term)	No known significant effects or critical hazards.
	SureVector LacZ Control (N-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 GST E. coli Expression Tag (N-term)	No known significant effects or critical hazards.
	SureVector MBP E. coli Expression Tag (N-term)	No known significant effects or critical hazards.
	SureVector HIS6 E. coli Expression Tag (N-term)	No known significant effects or critical hazards.
	SureVector CBP E. coli Expression Tag (N-term)	No known significant effects or critical hazards.
	SureVector SBP E. coli Expression Tag (N-term)	No known significant effects or critical hazards.
	SureVector His-DsbA E. coli Expression Tag (N-term)	No known significant effects or critical hazards.
	SureVector LacZ Control (N-term)	No known significant effects or critical hazards.

Section 11. Toxicological information

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact	: SureVector T7 E. coli Promoter SureVector Tac E. coli Promoter SureVector Rhamnose E. coli Promoter SureVector GST E. coli Expression Tag (N-term) SureVector MBP E. coli Expression Tag (N-term) SureVector HIS6 E. coli Expression Tag (N-term) SureVector CBP E. coli Expression Tag (N-term) SureVector SBP E. coli Expression Tag (N-term) SureVector His-DsbA E. coli Expression Tag (N-term) SureVector LacZ Control (N-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. No specific data.
Inhalation	: SureVector T7 E. coli Promoter SureVector Tac E. coli Promoter SureVector Rhamnose E. coli Promoter SureVector GST E. coli Expression Tag (N-term) SureVector MBP E. coli Expression Tag (N-term) SureVector HIS6 E. coli Expression Tag (N-term) SureVector CBP E. coli Expression Tag (N-term) SureVector SBP E. coli Expression Tag (N-term) SureVector His-DsbA E. coli Expression Tag (N-term) SureVector LacZ Control (N-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.
Skin contact	: SureVector T7 E. coli Promoter SureVector Tac E. coli Promoter SureVector Rhamnose E. coli Promoter SureVector GST E. coli Expression Tag (N-term) SureVector MBP E. coli Expression Tag (N-term) SureVector HIS6 E. coli Expression Tag (N-term) SureVector CBP E. coli Expression Tag (N-term) SureVector SBP E. coli Expression Tag (N-term) SureVector His-DsbA E. coli Expression Tag (N-term) SureVector LacZ Control (N-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.
Ingestion	: SureVector T7 E. coli Promoter SureVector Tac E. coli Promoter SureVector Rhamnose E. coli Promoter SureVector GST E. coli Expression Tag (N-term) SureVector MBP E. coli	No specific data. No specific data. No specific data. No specific data. No specific data.

Section 11. Toxicological information

Expression Tag (N-term) SureVector HIS6 E. coli	No specific data.
Expression Tag (N-term) SureVector CBP E. coli	No specific data.
Expression Tag (N-term) SureVector SBP E. coli	No specific data.
Expression Tag (N-term) SureVector His-DsbA E. coli	No specific data.
Expression Tag (N-term) SureVector LacZ Control (N-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 GST E. coli Expression Tag (N-term)	No known significant effects or critical hazards.
	SureVector MBP E. coli Expression Tag (N-term)	No known significant effects or critical hazards.
	SureVector HIS6 E. coli Expression Tag (N-term)	No known significant effects or critical hazards.
	SureVector CBP E. coli Expression Tag (N-term)	No known significant effects or critical hazards.
	SureVector SBP E. coli Expression Tag (N-term)	No known significant effects or critical hazards.
	SureVector His-DsbA E. coli Expression Tag (N-term)	No known significant effects or critical hazards.
	SureVector LacZ Control (N-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 GST E. coli Expression Tag (N-term)	No known significant effects or critical hazards.
	SureVector MBP E. coli Expression Tag (N-term)	No known significant effects or critical hazards.
	SureVector HIS6 E. coli Expression Tag (N-term)	No known significant effects or critical hazards.
	SureVector CBP E. coli Expression Tag (N-term)	No known significant effects or critical hazards.
	SureVector SBP E. coli Expression Tag (N-term)	No known significant effects or critical hazards.
	SureVector His-DsbA E. coli Expression Tag (N-term)	No known significant effects or critical hazards.
	SureVector LacZ Control (N-term)	No known significant effects or critical hazards.

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Mutagenicity	: SureVector T7 E. coli Promoter SureVector Tac E. coli Promoter SureVector Rhamnose E. coli Promoter SureVector GST E. coli Expression Tag (N-term) SureVector MBP E. coli Expression Tag (N-term) SureVector HIS6 E. coli Expression Tag (N-term) SureVector CBP E. coli Expression Tag (N-term) SureVector SBP E. coli Expression Tag (N-term) SureVector His-DsbA E. coli Expression Tag (N-term) SureVector LacZ Control (N-term)	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
Reproductive toxicity	: SureVector T7 E. coli Promoter SureVector Tac E. coli Promoter SureVector Rhamnose E. coli Promoter SureVector GST E. coli Expression Tag (N-term) SureVector MBP E. coli Expression Tag (N-term) SureVector HIS6 E. coli Expression Tag (N-term) SureVector CBP E. coli Expression Tag (N-term) SureVector SBP E. coli Expression Tag (N-term) SureVector His-DsbA E. coli Expression Tag (N-term) SureVector LacZ Control (N-term)	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. 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

Section 12. Ecological information

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 (b) Hazardous Air Pollutants (HAPs) : Not listed

Clean Air Act Section 602 Class I Substances : Not listed

Clean Air Act Section 602 Class II Substances : Not listed

Section 15. Regulatory information

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 GST E. coli Expression Tag (N-term)	Not applicable.
SureVector MBP E. coli Expression Tag (N-term)	Not applicable.
SureVector HIS6 E. coli Expression Tag (N-term)	Not applicable.
SureVector CBP E. coli Expression Tag (N-term)	Not applicable.
SureVector SBP E. coli Expression Tag (N-term)	Not applicable.
SureVector His-DsbA E. coli Expression Tag (N-term)	Not applicable.
SureVector LacZ Control (N-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)

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.

Section 15. Regulatory information

Europe	: All components are listed or exempted.
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	: <input checked="" type="checkbox"/> 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	: 12/03/2021
Date of previous issue	: 07/10/2019
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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