

SAFETY DATA SHEET



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

Section 1. Identification

Product identifier	: 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	

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

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)

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

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

Section 2. Hazard(s) identification

Classification of the substance or mixture

Not classified.

GHS label elements

Section 2. Hazard(s) identification

Signal word	: 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 signal word. No signal word. No signal word. No signal word. No signal word. No signal word. No signal word. No signal word. No signal word. No signal word. No signal word.
Hazard statements	: 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.
Precautionary statements		
Prevention	: 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.

Section 2. Hazard(s) identification

Response	<input checked="" type="checkbox"/>	SureVector T7 E. coli Promoter	Not applicable.	
	<input checked="" type="checkbox"/>	SureVector Tac E. coli Promoter	Not applicable.	
	<input checked="" type="checkbox"/>	SureVector Rhamnose E. coli Promoter	Not applicable.	
	<input checked="" type="checkbox"/>	SureVector GST E. coli Expression Tag (N-term)	Not applicable.	
	<input checked="" type="checkbox"/>	SureVector MBP E. coli Expression Tag (N-term)	Not applicable.	
	<input checked="" type="checkbox"/>	SureVector HIS6 E. coli Expression Tag (N-term)	Not applicable.	
	<input checked="" type="checkbox"/>	SureVector CBP E. coli Expression Tag (N-term)	Not applicable.	
	<input checked="" type="checkbox"/>	SureVector SBP E. coli Expression Tag (N-term)	Not applicable.	
	<input checked="" type="checkbox"/>	SureVector His-DsbA E. coli Expression Tag (N-term)	Not applicable.	
	<input checked="" type="checkbox"/>	SureVector LacZ Control (N-term)	Not applicable.	
	Storage	<input checked="" type="checkbox"/>	SureVector T7 E. coli Promoter	Not applicable.
		<input checked="" type="checkbox"/>	SureVector Tac E. coli Promoter	Not applicable.
		<input checked="" type="checkbox"/>	SureVector Rhamnose E. coli Promoter	Not applicable.
		<input checked="" type="checkbox"/>	SureVector GST E. coli Expression Tag (N-term)	Not applicable.
<input checked="" type="checkbox"/>		SureVector MBP E. coli Expression Tag (N-term)	Not applicable.	
<input checked="" type="checkbox"/>		SureVector HIS6 E. coli Expression Tag (N-term)	Not applicable.	
<input checked="" type="checkbox"/>		SureVector CBP E. coli Expression Tag (N-term)	Not applicable.	
<input checked="" type="checkbox"/>		SureVector SBP E. coli Expression Tag (N-term)	Not applicable.	
<input checked="" type="checkbox"/>		SureVector His-DsbA E. coli Expression Tag (N-term)	Not applicable.	
<input checked="" type="checkbox"/>		SureVector LacZ Control (N-term)	Not applicable.	
Disposal		<input checked="" type="checkbox"/>	SureVector T7 E. coli Promoter	Not applicable.
		<input checked="" type="checkbox"/>	SureVector Tac E. coli Promoter	Not applicable.
		<input checked="" type="checkbox"/>	SureVector Rhamnose E. coli Promoter	Not applicable.
		<input checked="" type="checkbox"/>	SureVector GST E. coli Expression Tag (N-term)	Not applicable.
	<input checked="" type="checkbox"/>	SureVector MBP E. coli Expression Tag (N-term)	Not applicable.	
	<input checked="" type="checkbox"/>	SureVector HIS6 E. coli Expression Tag (N-term)	Not applicable.	
	<input checked="" type="checkbox"/>	SureVector CBP E. coli Expression Tag (N-term)	Not applicable.	
	<input checked="" type="checkbox"/>	SureVector SBP E. coli Expression Tag (N-term)	Not applicable.	
	<input checked="" type="checkbox"/>	SureVector His-DsbA E. coli Expression Tag (N-term)	Not applicable.	
	<input checked="" type="checkbox"/>	SureVector LacZ Control (N-term)	Not applicable.	

Section 2. Hazard(s) identification

Supplemental label elements	: <input checked="" type="checkbox"/> SureVector T7 E. coli Promoter	Not applicable.
	SureVector Tac E. coli Promoter	Not applicable.
	SureVector Rhamnose E. coli Promoter	Not applicable.
	SureVector 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.

Other hazards which do not result in classification	: <input checked="" type="checkbox"/> SureVector T7 E. coli Promoter	None known.
	SureVector Tac E. coli Promoter	None known.
	SureVector Rhamnose E. coli Promoter	None known.
	SureVector 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 and ingredient information

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

Section 3. Composition and ingredient information

term)

CAS number/other identifiers

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

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

Section 4. First aid measures

Description of necessary first aid measures

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

Section 4. First aid measures

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

Section 4. First aid measures

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

Most important symptoms/effects, acute and delayed

Potential acute health effects

Section 4. First aid measures

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.	
	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.	

Section 4. First aid measures

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

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.

Section 4. First aid measures

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 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.				

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

Section 4. First aid measures

	SureVector SBP E. coli Expression Tag (N-term)	ingested or inhaled. 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	: <input checked="" type="checkbox"/> 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.
Protection of first-aiders	: <input checked="" type="checkbox"/> SureVector T7 E. coli Promoter	No action shall be taken involving any personal risk or without suitable training.
	SureVector Tac E. coli Promoter	No action shall be taken involving any personal risk or without suitable training.
	SureVector Rhamnose E. coli Promoter	No action shall be taken involving any personal risk or without suitable training.
	SureVector GST E. coli Expression Tag (N-term)	No action shall be taken involving any personal risk or without suitable training.
	SureVector MBP E. coli Expression Tag (N-term)	No action shall be taken involving any personal risk or without suitable training.
	SureVector HIS6 E. coli Expression Tag (N-term)	No action shall be taken involving any personal risk or without suitable training.
	SureVector CBP E. coli Expression Tag (N-term)	No action shall be taken involving any personal risk or without suitable training.
	SureVector SBP E. coli Expression Tag (N-term)	No action shall be taken involving any personal risk or without suitable training.
	SureVector His-DsbA E. coli Expression Tag (N-term)	No action shall be taken involving any personal risk or without suitable training.
	SureVector LacZ Control (N-term)	No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

Section 5. Firefighting measures

Extinguishing media

Section 5. Firefighting measures

Suitable extinguishing media	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> 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) 	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> 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) 	<ul style="list-style-type: none"> None known. None known. None known. None known. None known. None known. None known. None known. None known. None known.
Specific hazards arising from the chemical	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> 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) 	<ul style="list-style-type: none"> In a fire or if heated, a pressure increase will occur and the container may burst. In a fire or if heated, a pressure increase will occur and the container may burst. In a fire or if heated, a pressure increase will occur and the container may burst. In a fire or if heated, a pressure increase will occur and the container may burst. In a fire or if heated, a pressure increase will occur and the container may burst. In a fire or if heated, a pressure increase will occur and the container may burst. In a fire or if heated, a pressure increase will occur and the container may burst. In a fire or if heated, a pressure increase will occur and the container may burst. In a fire or if heated, a pressure increase will occur and the container may burst. In a fire or if heated, a pressure increase will occur and the container may burst.

Section 5. Firefighting measures

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.	
	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 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 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.		

Section 5. Firefighting measures

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 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 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

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

Section 6. Accidental release measures

Expression Tag (N-term)	or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
SureVector 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 spilt 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 spilt 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 spilt 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 spilt material. Put on appropriate personal protective equipment.
SureVector His-DsbA 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 spilt 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 spilt material. Put on appropriate personal protective equipment.
For emergency responders : SureVector T7 E. coli Promoter	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureVector Tac E. coli Promoter	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureVector Rhamnose E. coli Promoter	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureVector GST E. coli Expression Tag (N-term)	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureVector MBP E. coli Expression Tag (N-term)	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureVector HIS6 E. coli Expression Tag (N-term)	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on

Section 6. Accidental release measures

SureVector CBP E. coli Expression Tag (N-term)	suitable and unsuitable materials. See also the information in "For non-emergency personnel". If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureVector SBP E. coli Expression Tag (N-term)	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureVector His-DsbA E. coli Expression Tag (N-term)	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureVector LacZ Control (N-term)	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Environmental precautions : SureVector T7 E. coli Promoter	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
SureVector Tac E. coli Promoter	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
SureVector Rhamnose E. coli Promoter	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
SureVector GST E. coli Expression Tag (N-term)	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
SureVector MBP E. coli Expression Tag (N-term)	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
SureVector HIS6 E. coli Expression Tag (N-term)	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
SureVector CBP E. coli Expression Tag (N-term)	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
SureVector SBP E. coli Expression Tag (N-term)	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
SureVector His-DsbA E. coli Expression Tag (N-term)	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways,

Section 6. Accidental release measures

SureVector LacZ Control (N-term) : soil or air).
Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and material for containment and cleaning up

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. 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 GST 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 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.

Section 6. Accidental release measures

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

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

Section 7. Handling and storage

SureVector HIS6 E. coli
Expression Tag (N-term)

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

SureVector CBP E. coli
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 E. coli
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 His-DsbA E. coli
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.

Conditions for safe storage, including any incompatibilities : SureVector T7 E. coli Promoter

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

SureVector Tac E. coli Promoter

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

SureVector Rhamnose E. coli Promoter

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until

Section 7. Handling and storage

SureVector GST E. coli
Expression Tag (N-term)

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

SureVector MBP 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 unlabelled containers. Use appropriate containment to avoid environmental contamination.

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 unlabelled containers. Use appropriate containment to avoid environmental contamination.

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 unlabelled containers. Use appropriate containment to avoid environmental contamination.

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 unlabelled containers. Use appropriate containment to avoid environmental contamination.

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 unlabelled

Section 7. Handling and storage

SureVector LacZ Control (N-term)

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

Section 8. Exposure controls and personal protection

Control parameters

Occupational exposure limits

None.

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

Individual protection measures

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

Section 9. Physical and chemical properties

Appearance

Physical state	: 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.	
	Colour	: 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.	
Odour		: 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 9. Physical and chemical properties

Odour 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 Expression Tag (N-term)		8	
SureVector CBP E. coli Expression Tag (N-term)		8	
SureVector SBP E. coli Expression Tag (N-term)		8	
SureVector His-DsbA E. coli Expression Tag (N-term)		8	
SureVector LacZ Control (N-term)		8	
Melting point		: SureVector T7 E. coli Promoter	0°C (32°F)
		SureVector Tac E. coli Promoter	0°C (32°F)
		SureVector Rhamnose E. coli Promoter	0°C (32°F)
		SureVector GST E. coli Expression Tag (N-term)	0°C (32°F)
		SureVector MBP E. coli Expression Tag (N-term)	0°C (32°F)
	SureVector HIS6 E. coli Expression Tag (N-term)	0°C (32°F)	
	SureVector CBP E. coli Expression Tag (N-term)	0°C (32°F)	
	SureVector SBP E. coli Expression Tag (N-term)	0°C (32°F)	
	SureVector His-DsbA E. coli Expression Tag (N-term)	0°C (32°F)	
	SureVector LacZ Control (N-term)	0°C (32°F)	

Section 9. Physical and chemical properties

Boiling point	: SureVector T7 E. coli Promoter	100°C (212°F)	
	SureVector Tac E. coli Promoter	100°C (212°F)	
	SureVector Rhamnose E. coli Promoter	100°C (212°F)	
	SureVector GST E. coli Expression Tag (N-term)	100°C (212°F)	
	SureVector MBP E. coli Expression Tag (N-term)	100°C (212°F)	
	SureVector HIS6 E. coli Expression Tag (N-term)	100°C (212°F)	
	SureVector CBP E. coli Expression Tag (N-term)	100°C (212°F)	
	SureVector SBP E. coli Expression Tag (N-term)	100°C (212°F)	
	SureVector His-DsbA E. coli Expression Tag (N-term)	100°C (212°F)	
	SureVector LacZ Control (N-term)	100°C (212°F)	
	Flash point	: SureVector T7 E. coli Promoter	Not available.
		SureVector Tac E. coli Promoter	Not available.
		SureVector Rhamnose E. coli Promoter	Not available.
		SureVector 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.	
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.	

Section 9. Physical and chemical properties

Flammability (solid, gas)	:	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.
Lower and upper explosive (flammable) limits	:	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.
Vapour pressure	:	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.
Vapour density	:		

Section 9. Physical and chemical properties

	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.
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.

Section 9. Physical and chemical properties

Partition coefficient: n-octanol/water	: SureVector T7 E. coli Promoter	Not available.	
	SureVector Tac E. coli Promoter	Not available.	
	SureVector Rhamnose E. coli Promoter	Not available.	
	SureVector 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.	
	Auto-ignition temperature	: SureVector T7 E. coli Promoter	Not available.
		SureVector Tac E. coli Promoter	Not available.
		SureVector Rhamnose E. coli Promoter	Not available.
		SureVector 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.	
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 Expression Tag (N-term)	Not available.	
	SureVector LacZ Control (N-term)	Not available.	

Section 9. Physical and chemical properties

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.

Section 10. Stability and reactivity

Reactivity	: <input checked="" type="checkbox"/> 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.

Chemical stability	: <input checked="" type="checkbox"/> 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.

Section 10. Stability and reactivity

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.	
	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.	
Incompatible materials		: SureVector T7 E. coli Promoter	May react or be incompatible with oxidising materials.
		SureVector Tac E. coli Promoter	May react or be incompatible with oxidising materials.
		SureVector Rhamnose E. coli Promoter	May react or be incompatible with oxidising materials.
	SureVector GST E. coli Expression Tag (N-term)	May react or be incompatible with oxidising materials.	
	SureVector MBP E. coli Expression Tag (N-term)	May react or be incompatible with oxidising materials.	
	SureVector HIS6 E. coli Expression Tag (N-term)	May react or be incompatible with oxidising materials.	
	SureVector CBP E. coli Expression Tag (N-term)	May react or be incompatible with oxidising materials.	
	SureVector SBP E. coli Expression Tag (N-term)	May react or be incompatible with oxidising materials.	
	SureVector His-DsbA E. coli Expression Tag (N-term)	May react or be incompatible with oxidising materials.	
	SureVector LacZ Control (N-term)	May react or be incompatible with oxidising materials.	

Section 10. Stability and reactivity

term)

Hazardous decomposition products	: SureVector T7 E. coli Promoter	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	SureVector Tac E. coli Promoter	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	SureVector Rhamnose E. coli Promoter	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	SureVector GST E. coli Expression Tag (N-term)	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	SureVector MBP E. coli Expression Tag (N-term)	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	SureVector HIS6 E. coli Expression Tag (N-term)	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	SureVector CBP E. coli Expression Tag (N-term)	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	SureVector SBP E. coli Expression Tag (N-term)	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	SureVector His-DsbA E. coli Expression Tag (N-term)	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	SureVector LacZ Control (N-term)	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Not available.

Irritation/Corrosion

Not available.

Sensitisation

Not available.

Mutagenicity

Not available.

Carcinogenicity

Not available.

Reproductive toxicity

Not available.

Teratogenicity

Not available.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Section 11. Toxicological information

Aspiration hazard

Not available.

Information on likely routes of exposure	: SureVector T7 E. coli Promoter	Not available.
	SureVector Tac E. coli Promoter	Not available.
	SureVector Rhamnose E. coli Promoter	Not available.
	SureVector 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 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	No known significant effects or critical hazards.

Section 11. Toxicological information

	Expression Tag (N-term)	
	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.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact	: SureVector T7 E. coli Promoter	No specific data.
	SureVector Tac E. coli Promoter	No specific data.
	SureVector Rhamnose E. coli Promoter	No specific data.
	SureVector 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	No specific data.

Section 11. Toxicological information

	Expression Tag (N-term)	
	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 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 11. Toxicological information

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

Short term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Long term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Potential chronic health effects

Not available.

General	: SureVector T7 E. coli Promoter	No known significant effects or critical hazards.
	SureVector Tac E. coli Promoter	No known significant effects or critical hazards.
	SureVector Rhamnose E. coli Promoter	No known significant effects or critical hazards.
	SureVector 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.
Mutagenicity	: SureVector T7 E. coli Promoter	No known significant effects or critical hazards.
	SureVector Tac E. coli Promoter	No known significant effects or critical hazards.
	SureVector Rhamnose E. coli Promoter	No known significant effects or critical hazards.
	SureVector GST E. coli	No known significant effects or critical hazards.

Section 11. Toxicological information

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.

Numerical measures of toxicity

Acute toxicity estimates

Not available.

Section 12. Ecological information

Toxicity

Not available.

Persistence and degradability

Not available.

Bioaccumulative potential

Not available.

Mobility in soil

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

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

Section 13. Disposal considerations

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

Section 14. Transport information

Regulatory information

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

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

Section 14. Transport information

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

Section 15. Regulatory information

Standard Uniform Schedule of Medicine and Poisons

Not regulated.

Model Work Health and Safety Regulations - Scheduled Substances

No listed substance

Australia inventory (AICS) : Not determined.

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

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

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

International lists

National inventory

Canada : Not determined.

China : All components are listed or exempted.

Europe : All components are listed or exempted.

Japan : Japan inventory (ENCS): Not determined.
 Japan inventory (ISHL): All components are listed or exempted.

Malaysia : Not determined.

New Zealand : Not determined.

Philippines : Not determined.

Republic of Korea : Not determined.

Taiwan : All components are listed or exempted.

Turkey : Not determined.

United States : All components are listed or exempted.

Section 16. Any other relevant information

History

Date of issue/Date of revision : 25/04/2017

Date of previous issue : 30/06/2015.

Version : 2

Section 16. Any other relevant information

Key to abbreviations :

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

Procedure used to derive the classification

Classification	Justification
Not classified.	

References : Not available.

✔ Indicates information that has changed from previously issued version.

Notice to reader

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