

SAFETY DATA SHEET



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

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

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

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

Identified uses	: <input checked="" type="checkbox"/> Analytical reagent.	
	<input checked="" type="checkbox"/> SureVector T7 E. coli Promoter	0.03 ml (15 reactions)
	SureVector Tac E. coli Promoter	0.03 ml (15 reactions)
	SureVector Rhamnose E. coli Promoter	0.03 ml (15 reactions)
	SureVector HA Expression Tag C-Term	0.03 ml (15 reactions)
	SureVector c-Myc Expression Tag C-Term	0.03 ml (15 reactions)
	SureVector HIS6 Expression Tag (C-term)	0.03 ml (15 reactions)
	SureVector CBP Expression Tag (C-Term)	0.03 ml (15 reactions)
	SureVector SBP Expression Tag (C-term)	0.03 ml (15 reactions)
	SureVector Thioredoxin Expression Tag (C-Term)	0.03 ml (15 reactions)
	SureVector LacZ E. coli Control (C-term)	0.03 ml (15 reactions)
Uses advised against	: None known.	

1.3 Details of the supplier of the safety data sheet

Agilent Technologies LDA UK Ltd.
 5500 Lakeside Cheadle Royal Business Park,
 Cheadle, Cheshire, SK8 3GR
 United Kingdom
 Tel: +44 (0) 345 712 5292

e-mail address of person responsible for this SDS : pdl-msds_author@agilent.com

1.4 Emergency telephone number

Emergency telephone number (with hours of operation) : CHEMTREC®: +(44)-870-8200418

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Product definition	:	SureVector T7 E. coli Promoter	Mixture
		SureVector Tac E. coli Promoter	Mixture
		SureVector Rhamnose E. coli Promoter	Mixture
		SureVector HA Expression Tag C-Term	Mixture
		SureVector c-Myc Expression Tag C-Term	Mixture
		SureVector HIS6 Expression Tag (C-term)	Mixture
		SureVector CBP Expression Tag (C-Term)	Mixture
		SureVector SBP Expression Tag (C-term)	Mixture
		SureVector Thioredoxin Expression Tag (C-Term)	Mixture
		SureVector LacZ E. coli Control (C-term)	Mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Not classified.

See Section 16 for the full text of the H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

2.2 Label elements

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

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

Precautionary statements

Prevention

: SureVector T7 E. coli Promoter	Not applicable.
SureVector Tac E. coli Promoter	Not applicable.
SureVector Rhamnose E. coli Promoter	Not applicable.
SureVector HA Expression Tag C-Term	Not applicable.
SureVector c-Myc Expression Tag C-Term	Not applicable.
SureVector HIS6 Expression Tag (C-term)	Not applicable.
SureVector CBP Expression Tag (C-Term)	Not applicable.
SureVector SBP Expression Tag (C-term)	Not applicable.
SureVector Thioredoxin Expression Tag (C-Term)	Not applicable.

Response

: SureVector T7 E. coli Promoter	Not applicable.
SureVector Tac E. coli Promoter	Not applicable.
SureVector Rhamnose E. coli Promoter	Not applicable.
SureVector HA Expression Tag C-Term	Not applicable.
SureVector c-Myc Expression Tag C-Term	Not applicable.
SureVector HIS6 Expression Tag (C-term)	Not applicable.
SureVector CBP Expression Tag (C-Term)	Not applicable.
SureVector SBP Expression Tag (C-term)	Not applicable.
SureVector Thioredoxin Expression Tag (C-Term)	Not applicable.

Storage

: SureVector T7 E. coli Promoter	Not applicable.
SureVector Tac E. coli Promoter	Not applicable.
SureVector Rhamnose E. coli Promoter	Not applicable.
SureVector HA Expression Tag C-Term	Not applicable.
SureVector c-Myc Expression Tag C-Term	Not applicable.

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		SureVector HIS6	Not applicable.
		Expression Tag (C-term)	
		SureVector CBP	Not applicable.
		Expression Tag (C-Term)	
		SureVector SBP	Not applicable.
		Expression Tag (C-term)	
		SureVector Thioredoxin	Not applicable.
		Expression Tag (C-Term)	
		SureVector LacZ E. coli	Not applicable.
		Control (C-term)	
Disposal	:	<input checked="" type="checkbox"/> SureVector T7 E. coli	Not applicable.
		Promoter	
		SureVector Tac E. coli	Not applicable.
		Promoter	
		SureVector Rhamnose E. coli	Not applicable.
		Promoter	
		SureVector HA	Not applicable.
		Expression Tag C-Term	
		SureVector c-Myc	Not applicable.
		Expression Tag C-Term	
		SureVector HIS6	Not applicable.
		Expression Tag (C-term)	
		SureVector CBP	Not applicable.
		Expression Tag (C-Term)	
		SureVector SBP	Not applicable.
		Expression Tag (C-term)	
		SureVector Thioredoxin	Not applicable.
		Expression Tag (C-Term)	
		SureVector LacZ E. coli	Not applicable.
		Control (C-term)	
Supplemental label elements	:	<input checked="" type="checkbox"/> SureVector T7 E. coli	Not applicable.
		Promoter	
		SureVector Tac E. coli	Not applicable.
		Promoter	
		SureVector Rhamnose E. coli	Not applicable.
		Promoter	
		SureVector HA	Not applicable.
		Expression Tag C-Term	
		SureVector c-Myc	Not applicable.
		Expression Tag C-Term	
		SureVector HIS6	Not applicable.
		Expression Tag (C-term)	
		SureVector CBP	Not applicable.
		Expression Tag (C-Term)	
		SureVector SBP	Not applicable.
		Expression Tag (C-term)	
		SureVector Thioredoxin	Not applicable.
		Expression Tag (C-Term)	
		SureVector LacZ E. coli	Not applicable.
		Control (C-term)	
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	:	<input checked="" type="checkbox"/> SureVector T7 E. coli	Not applicable.
		Promoter	
		SureVector Tac E. coli	Not applicable.
		Promoter	
		SureVector Rhamnose E. coli	Not applicable.
		Promoter	
		SureVector HA	Not applicable.
		Expression Tag C-Term	
		SureVector c-Myc	Not applicable.
		Expression Tag C-Term	

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SureVector HIS6 Expression Tag (C-term)	Not applicable.
SureVector CBP Expression Tag (C-Term)	Not applicable.
SureVector SBP Expression Tag (C-term)	Not applicable.
SureVector Thioredoxin Expression Tag (C-Term)	Not applicable.
SureVector LacZ E. coli Control (C-term)	Not applicable.

Special packaging requirements

Containers to be fitted with child-resistant fastenings

: SureVector T7 E. coli Promoter	Not applicable.
SureVector Tac E. coli Promoter	Not applicable.
SureVector Rhamnose E. coli Promoter	Not applicable.
SureVector HA Expression Tag C-Term	Not applicable.
SureVector c-Myc Expression Tag C-Term	Not applicable.
SureVector HIS6 Expression Tag (C-term)	Not applicable.
SureVector CBP Expression Tag (C-Term)	Not applicable.
SureVector SBP Expression Tag (C-term)	Not applicable.
SureVector Thioredoxin Expression Tag (C-Term)	Not applicable.

Tactile warning of danger

: SureVector LacZ E. coli Control (C-term)	Not applicable.
: SureVector T7 E. coli Promoter	Not applicable.
SureVector Tac E. coli Promoter	Not applicable.
SureVector Rhamnose E. coli Promoter	Not applicable.
SureVector HA Expression Tag C-Term	Not applicable.
SureVector c-Myc Expression Tag C-Term	Not applicable.
SureVector HIS6 Expression Tag (C-term)	Not applicable.
SureVector CBP Expression Tag (C-Term)	Not applicable.
SureVector SBP Expression Tag (C-term)	Not applicable.
SureVector Thioredoxin Expression Tag (C-Term)	Not applicable.
SureVector LacZ E. coli Control (C-term)	Not applicable.

2.3 Other hazards

Product meets the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII

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SureVector T7 E. coli Promoter	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
SureVector Tac E. coli Promoter	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
SureVector Rhamnose E. coli Promoter	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
SureVector HA Expression Tag C-Term	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
SureVector c-Myc Expression Tag C-Term	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
SureVector HIS6 Expression Tag (C-term)	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
SureVector CBP Expression Tag (C-Term)	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
SureVector SBP Expression Tag (C-term)	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
SureVector Thioredoxin Expression Tag (C-Term)	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
SureVector LacZ E. coli Control (C-term)	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
SureVector T7 E. coli Promoter	None known.
SureVector Tac E. coli Promoter	None known.
SureVector Rhamnose E. coli Promoter	None known.
SureVector HA Expression Tag C-Term	None known.
SureVector c-Myc Expression Tag C-Term	None known.
SureVector HIS6 Expression Tag (C-term)	None known.
SureVector CBP Expression Tag (C-Term)	None known.
SureVector SBP Expression Tag (C-term)	None known.
SureVector Thioredoxin Expression Tag (C-Term)	None known.
SureVector LacZ E. coli Control (C-term)	None known.

Other hazards which do not result in classification

SECTION 3: Composition/information on ingredients

3.1 Substances	:	SureVector T7 E. coli Promoter	Mixture
		SureVector Tac E. coli Promoter	Mixture
		SureVector Rhamnose E. coli Promoter	Mixture
		SureVector HA Expression Tag C-Term	Mixture
		SureVector c-Myc Expression Tag C-Term	Mixture
		SureVector HIS6 Expression Tag (C-term)	Mixture
		SureVector CBP Expression Tag (C-Term)	Mixture
		SureVector SBP Expression Tag (C-term)	Mixture
		SureVector Thioredoxin Expression Tag (C-Term)	Mixture
		SureVector LacZ E. coli Control (C-term)	Mixture

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SECTION 3: Composition/information on ingredients

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section.

SECTION 4: First aid measures

4.1 Description of first aid measures

Eye contact	: SureVector T7 E. coli Promoter	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
	SureVector Tac E. coli Promoter	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
	SureVector Rhamnose E. coli Promoter	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
	SureVector HA Expression Tag C-Term	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
	SureVector c-Myc Expression Tag C-Term	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
	SureVector HIS6 Expression Tag (C-term)	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
	SureVector CBP Expression Tag (C-Term)	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
	SureVector SBP Expression Tag (C-term)	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
	SureVector Thioredoxin Expression Tag (C-Term)	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
	SureVector LacZ E. coli Control (C-term)	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
Inhalation	: SureVector T7 E. coli Promoter	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	SureVector Tac E. coli Promoter	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	SureVector Rhamnose E. coli Promoter	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	SureVector HA Expression Tag C-Term	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	SureVector c-Myc Expression Tag C-Term	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	SureVector HIS6 Expression Tag (C-term)	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	SureVector CBP Expression Tag (C-Term)	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	SureVector SBP Expression Tag (C-term)	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	SureVector Thioredoxin Expression Tag (C-Term)	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

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SECTION 4: First aid measures

	SureVector LacZ E. coli Control (C-term)	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
Skin contact	: SureVector T7 E. coli Promoter	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	SureVector Tac E. coli Promoter	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	SureVector Rhamnose E. coli Promoter	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	SureVector HA Expression Tag C-Term	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	SureVector c-Myc Expression Tag C-Term	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	SureVector HIS6 Expression Tag (C-term)	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	SureVector CBP Expression Tag (C-Term)	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	SureVector SBP Expression Tag (C-term)	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	SureVector Thioredoxin Expression Tag (C-Term)	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	SureVector LacZ E. coli Control (C-term)	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
Ingestion	: SureVector T7 E. coli Promoter	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
	SureVector Tac E. coli Promoter	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
	SureVector Rhamnose E. coli Promoter	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
	SureVector HA Expression Tag C-Term	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
	SureVector c-Myc Expression Tag C-Term	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
	SureVector HIS6 Expression Tag (C-term)	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
	SureVector HIS6 Expression Tag (C-term)	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

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SureVector CBP Expression Tag (C-Term)	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
SureVector SBP Expression Tag (C-term)	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
SureVector Thioredoxin Expression Tag (C-Term)	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
SureVector LacZ E. coli Control (C-term)	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
Protection of first-aiders : SureVector T7 E. coli Promoter	No action shall be taken involving any personal risk or without suitable training.
SureVector Tac E. coli Promoter	No action shall be taken involving any personal risk or without suitable training.
SureVector Rhamnose E. coli Promoter	No action shall be taken involving any personal risk or without suitable training.
SureVector HA Expression Tag C-Term	No action shall be taken involving any personal risk or without suitable training.
SureVector c-Myc Expression Tag C-Term	No action shall be taken involving any personal risk or without suitable training.
SureVector HIS6 Expression Tag (C-term)	No action shall be taken involving any personal risk or without suitable training.
SureVector CBP Expression Tag (C-Term)	No action shall be taken involving any personal risk or without suitable training.
SureVector SBP Expression Tag (C-term)	No action shall be taken involving any personal risk or without suitable training.
SureVector Thioredoxin Expression Tag (C-Term)	No action shall be taken involving any personal risk or without suitable training.
SureVector LacZ E. coli Control (C-term)	No action shall be taken involving any personal risk or without suitable training.

4.2 Most important symptoms and effects, both acute and delayed

Over-exposure signs/symptoms

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

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

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SureVector LacZ E. coli Control (C-term) No specific data.

4.3 Indication of any immediate medical attention and special treatment needed

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

Specific treatments : SureVector LacZ E. coli Control (C-term) Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
 SureVector T7 E. coli Promoter No specific treatment.
 SureVector Tac E. coli Promoter No specific treatment.
 SureVector Rhamnose E. coli Promoter No specific treatment.
 SureVector HA Expression Tag C-Term No specific treatment.
 SureVector c-Myc Expression Tag C-Term No specific treatment.
 SureVector HIS6 Expression Tag (C-term) No specific treatment.
 SureVector CBP Expression Tag (C-Term) No specific treatment.
 SureVector SBP Expression Tag (C-term) No specific treatment.
 SureVector Thioredoxin Expression Tag (C-Term) No specific treatment.
 SureVector LacZ E. coli Control (C-term) No specific treatment.

SECTION 5: Firefighting measures

5.1 Extinguishing media

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

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	SureVector CBP Expression Tag (C-Term)	Use an extinguishing agent suitable for the surrounding fire.
	SureVector SBP Expression Tag (C-term)	Use an extinguishing agent suitable for the surrounding fire.
	SureVector Thioredoxin Expression Tag (C-Term)	Use an extinguishing agent suitable for the surrounding fire.
	SureVector LacZ E. coli Control (C-term)	Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media	<input checked="" type="checkbox"/> SureVector T7 E. coli Promoter SureVector Tac E. coli Promoter SureVector Rhamnose E. coli Promoter SureVector HA Expression Tag C-Term SureVector c-Myc Expression Tag C-Term SureVector HIS6 Expression Tag (C-term) SureVector CBP Expression Tag (C-Term) SureVector SBP Expression Tag (C-term) SureVector Thioredoxin Expression Tag (C-Term) SureVector LacZ E. coli Control (C-term)	None known. None known. None known. None known. None known. None known. None known. None known. None known. None known. None known. None known. None known.

5.2 Special hazards arising from the substance or mixture

Hazards from the substance or mixture	<input checked="" type="checkbox"/> SureVector T7 E. coli Promoter SureVector Tac E. coli Promoter SureVector Rhamnose E. coli Promoter SureVector HA Expression Tag C-Term SureVector c-Myc Expression Tag C-Term SureVector HIS6 Expression Tag (C-term) SureVector CBP Expression Tag (C-Term) SureVector SBP Expression Tag (C-term) SureVector Thioredoxin Expression Tag (C-Term) SureVector LacZ E. coli Control (C-term)	In a fire or if heated, a pressure increase will occur and the container may burst. In a fire or if heated, a pressure increase will occur and the container may burst. In a fire or if heated, a pressure increase will occur and the container may burst. In a fire or if heated, a pressure increase will occur and the container may burst. In a fire or if heated, a pressure increase will occur and the container may burst. In a fire or if heated, a pressure increase will occur and the container may burst. In a fire or if heated, a pressure increase will occur and the container may burst. In a fire or if heated, a pressure increase will occur and the container may burst. In a fire or if heated, a pressure increase will occur and the container may burst. In a fire or if heated, a pressure increase will occur and the container may burst. In a fire or if heated, a pressure increase will occur and the container may burst.
Hazardous combustion products	<input checked="" type="checkbox"/> SureVector T7 E. coli Promoter SureVector Tac E. coli Promoter SureVector Rhamnose E. coli Promoter SureVector HA Expression Tag C-Term SureVector c-Myc	No specific data. No specific data. No specific data. No specific data. No specific data.

SECTION 5: Firefighting measures

Expression Tag C-Term SureVector HIS6	No specific data.
Expression Tag (C-term) SureVector CBP	No specific data.
Expression Tag (C-Term) SureVector SBP	No specific data.
Expression Tag (C-term) SureVector Thioredoxin	No specific data.
Expression Tag (C-Term)	
SureVector LacZ E. coli Control (C-term)	No specific data.

5.3 Advice for firefighters

Special protective actions for fire-fighters

☑ SureVector T7 E. coli Promoter	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
SureVector Tac E. coli Promoter	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
SureVector Rhamnose E. coli Promoter	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
SureVector HA Expression Tag C-Term	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
SureVector c-Myc Expression Tag C-Term	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
SureVector HIS6 Expression Tag (C-term)	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
SureVector CBP Expression Tag (C-Term)	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
SureVector SBP Expression Tag (C-term)	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
SureVector Thioredoxin Expression Tag (C-Term)	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
SureVector LacZ E. coli Control (C-term)	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for fire-fighters

☑ SureVector T7 E. coli Promoter	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
SureVector Tac E. coli Promoter	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
SureVector Rhamnose E. coli Promoter	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
SureVector HA Expression Tag C-Term	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
SureVector c-Myc Expression Tag C-Term	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
SureVector HIS6 Expression Tag (C-term)	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
SureVector CBP	Fire-fighters should wear appropriate protective equipment

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SECTION 5: Firefighting measures

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

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

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

SECTION 6: Accidental release measures

For emergency responders	: SureVector T7 E. coli Promoter	personal protective equipment. If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
	SureVector Tac E. coli Promoter	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
	SureVector Rhamnose E. coli Promoter	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
	SureVector HA Expression Tag C-Term	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
	SureVector c-Myc Expression Tag C-Term	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
	SureVector HIS6 Expression Tag (C-term)	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
	SureVector CBP Expression Tag (C-Term)	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
	SureVector SBP Expression Tag (C-term)	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
	SureVector Thioredoxin Expression Tag (C-Term)	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
	SureVector LacZ E. coli Control (C-term)	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
6.2 Environmental precautions	: SureVector T7 E. coli Promoter	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
	SureVector Tac E. coli Promoter	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
	SureVector Rhamnose E. coli Promoter	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
	SureVector HA Expression Tag C-Term	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
	SureVector c-Myc Expression Tag C-Term	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
	SureVector HIS6	Avoid dispersal of spilt material and runoff and contact with

SECTION 6: Accidental release measures

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

6.3 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 HA Expression Tag C-Term	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
		SureVector c-Myc Expression Tag C-Term	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
		SureVector HIS6 Expression Tag (C-term)	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
		SureVector CBP Expression Tag (C-Term)	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
		SureVector SBP Expression Tag (C-term)	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
		SureVector Thioredoxin Expression Tag (C-Term)	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively,

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SECTION 6: Accidental release measures

SureVector LacZ E. coli Control (C-term)

or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

6.4 Reference to other sections

: See Section 1 for emergency contact information.
See Section 8 for information on appropriate personal protective equipment.
See Section 13 for additional waste treatment information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Protective measures

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

SureVector LacZ E. coli Control (C-term)

Put on appropriate personal protective equipment (see Section 8).

Advice on general occupational hygiene

: SureVector T7 E. coli Promoter Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
SureVector Tac E. coli Promoter Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
SureVector Rhamnose E. coli Promoter Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
SureVector HA Expression Tag C-Term Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
SureVector c-Myc Expression Tag C-Term Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.

SECTION 7: Handling and storage

	Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
SureVector HIS6 Expression Tag (C-term)	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
SureVector CBP Expression Tag (C-Term)	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
SureVector SBP Expression Tag (C-term)	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
SureVector Thioredoxin Expression Tag (C-Term)	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
SureVector LacZ E. coli Control (C-term)	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

7.2 Conditions for safe storage, including any incompatibilities

Storage

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

SECTION 7: Handling and storage

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

SECTION 7: Handling and storage

Control (C-term)

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

7.3 Specific end use(s)

Recommendations

- : SureVector T7 E. coli Promoter Industrial applications, Professional applications.
- SureVector Tac E. coli Promoter Industrial applications, Professional applications.
- SureVector Rhamnose E. coli Promoter Industrial applications, Professional applications.
- SureVector HA Expression Tag C-Term Industrial applications, Professional applications.
- SureVector c-Myc Expression Tag C-Term Industrial applications, Professional applications.
- SureVector HIS6 Expression Tag (C-term) Industrial applications, Professional applications.
- SureVector CBP Expression Tag (C-Term) Industrial applications, Professional applications.
- SureVector SBP Expression Tag (C-term) Industrial applications, Professional applications.
- SureVector Thioredoxin Expression Tag (C-Term) Industrial applications, Professional applications.

SureVector LacZ E. coli Control (C-term) Industrial applications, Professional applications.

Industrial sector specific solutions

- : SureVector T7 E. coli Promoter Not available.
- SureVector Tac E. coli Promoter Not available.
- SureVector Rhamnose E. coli Promoter Not available.
- SureVector HA Expression Tag C-Term Not available.
- SureVector c-Myc Expression Tag C-Term Not available.
- SureVector HIS6 Expression Tag (C-term) Not available.
- SureVector CBP Expression Tag (C-Term) Not available.
- SureVector SBP Expression Tag (C-term) Not available.
- SureVector Thioredoxin Expression Tag (C-Term) Not available.
- SureVector LacZ E. coli Control (C-term) Not available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

No exposure limit value known.

Biological exposure indices

No exposure indices known.

Recommended monitoring procedures : Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

DNELs/DMELs

No DNELs/DMELs available.

PNECs

No PNECs available

8.2 Exposure controls

Appropriate engineering controls : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

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.

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.

SECTION 9: Physical and chemical properties

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

9.1 Information on basic physical and chemical properties

Appearance

SECTION 9: Physical and chemical properties

Physical state	:	SureVector T7 E. coli Promoter	Liquid.
		SureVector Tac E. coli Promoter	Liquid.
		SureVector Rhamnose E. coli Promoter	Liquid.
		SureVector HA Expression Tag C-Term	Liquid.
		SureVector c-Myc Expression Tag C-Term	Liquid.
		SureVector HIS6 Expression Tag (C-term)	Liquid.
		SureVector CBP Expression Tag (C-Term)	Liquid.
		SureVector SBP Expression Tag (C-term)	Liquid.
		SureVector Thioredoxin Expression Tag (C-Term)	Liquid.
		SureVector LacZ E. coli Control (C-term)	Liquid.
Colour	:	SureVector T7 E. coli Promoter	Not available.
		SureVector Tac E. coli Promoter	Not available.
		SureVector Rhamnose E. coli Promoter	Not available.
		SureVector HA Expression Tag C-Term	Not available.
		SureVector c-Myc Expression Tag C-Term	Not available.
		SureVector HIS6 Expression Tag (C-term)	Not available.
		SureVector CBP Expression Tag (C-Term)	Not available.
		SureVector SBP Expression Tag (C-term)	Not available.
		SureVector Thioredoxin Expression Tag (C-Term)	Not available.
		SureVector LacZ E. coli Control (C-term)	Not available.
Odour	:	SureVector T7 E. coli Promoter	Not available.
		SureVector Tac E. coli Promoter	Not available.
		SureVector Rhamnose E. coli Promoter	Not available.
		SureVector HA Expression Tag C-Term	Not available.
		SureVector c-Myc Expression Tag C-Term	Not available.
		SureVector HIS6 Expression Tag (C-term)	Not available.
		SureVector CBP Expression Tag (C-Term)	Not available.
		SureVector SBP Expression Tag (C-term)	Not available.
		SureVector Thioredoxin Expression Tag (C-Term)	Not available.
		SureVector LacZ E. coli Control (C-term)	Not available.

SECTION 9: Physical and chemical properties

Odour threshold : SureVector T7 E. coli Promoter Not available.
 SureVector Tac E. coli Promoter Not available.
 SureVector Rhamnose E. coli Promoter Not available.
 SureVector HA Expression Tag C-Term Not available.
 SureVector c-Myc Expression Tag C-Term Not available.
 SureVector HIS6 Expression Tag (C-term) Not available.
 SureVector CBP Expression Tag (C-Term) Not available.
 SureVector SBP Expression Tag (C-term) Not available.
 SureVector Thioredoxin Expression Tag (C-Term) Not available.

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

Melting point/freezing point : SureVector T7 E. coli Promoter 0°C
 SureVector Tac E. coli Promoter 0°C
 SureVector Rhamnose E. coli Promoter 0°C
 SureVector HA Expression Tag C-Term 0°C
 SureVector c-Myc Expression Tag C-Term 0°C
 SureVector HIS6 Expression Tag (C-term) 0°C
 SureVector CBP Expression Tag (C-Term) 0°C
 SureVector SBP Expression Tag (C-term) 0°C
 SureVector Thioredoxin Expression Tag (C-Term) 0°C

SureVector LacZ E. coli Control (C-term) 0°C

Initial boiling point and boiling range : SureVector T7 E. coli Promoter 100°C
 SureVector Tac E. coli Promoter 100°C
 SureVector Rhamnose E. coli Promoter 100°C
 SureVector HA Expression Tag C-Term 100°C
 SureVector c-Myc Expression Tag C-Term 100°C
 SureVector HIS6 Expression Tag (C-term) 100°C
 SureVector CBP Expression Tag (C-Term) 100°C
 SureVector SBP Expression Tag (C-term) 100°C
 SureVector Thioredoxin Expression Tag (C-Term) 100°C
 SureVector LacZ E. coli Control (C-term) 100°C

SECTION 9: Physical and chemical properties

Flammability	:	SureVector T7 E. coli Promoter	Not applicable.
		SureVector Tac E. coli Promoter	Not applicable.
		SureVector Rhamnose E. coli Promoter	Not applicable.
		SureVector HA Expression Tag C-Term	Not applicable.
		SureVector c-Myc Expression Tag C-Term	Not applicable.
		SureVector HIS6 Expression Tag (C-term)	Not applicable.
		SureVector CBP Expression Tag (C-Term)	Not applicable.
		SureVector SBP Expression Tag (C-term)	Not applicable.
		SureVector Thioredoxin Expression Tag (C-Term)	Not applicable.
		SureVector LacZ E. coli Control (C-term)	Not applicable.
Upper/lower flammability or explosive limits	:	SureVector T7 E. coli Promoter	Not available.
		SureVector Tac E. coli Promoter	Not available.
		SureVector Rhamnose E. coli Promoter	Not available.
		SureVector HA Expression Tag C-Term	Not available.
		SureVector c-Myc Expression Tag C-Term	Not available.
		SureVector HIS6 Expression Tag (C-term)	Not available.
		SureVector CBP Expression Tag (C-Term)	Not available.
		SureVector SBP Expression Tag (C-term)	Not available.
		SureVector Thioredoxin Expression Tag (C-Term)	Not available.
		SureVector LacZ E. coli Control (C-term)	Not available.
Flash point	:	SureVector T7 E. coli Promoter	Not available.
		SureVector Tac E. coli Promoter	Not available.
		SureVector Rhamnose E. coli Promoter	Not available.
		SureVector HA Expression Tag C-Term	Not available.
		SureVector c-Myc Expression Tag C-Term	Not available.
		SureVector HIS6 Expression Tag (C-term)	Not available.
		SureVector CBP Expression Tag (C-Term)	Not available.
		SureVector SBP Expression Tag (C-term)	Not available.
		SureVector Thioredoxin Expression Tag (C-Term)	Not available.
		SureVector LacZ E. coli Control (C-term)	Not available.

SECTION 9: Physical and chemical properties

Auto-ignition temperature : SureVector T7 E. coli Promoter Not available.
 SureVector Tac E. coli Promoter Not available.
 SureVector Rhamnose E. coli Promoter Not available.
 SureVector HA Expression Tag C-Term Not available.
 SureVector c-Myc Expression Tag C-Term Not available.
 SureVector HIS6 Expression Tag (C-term) Not available.
 SureVector CBP Expression Tag (C-Term) Not available.
 SureVector SBP Expression Tag (C-term) Not available.
 SureVector Thioredoxin Expression Tag (C-Term) Not available.

Decomposition temperature : SureVector T7 E. coli Promoter Not available.
 SureVector Tac E. coli Promoter Not available.
 SureVector Rhamnose E. coli Promoter Not available.
 SureVector HA Expression Tag C-Term Not available.
 SureVector c-Myc Expression Tag C-Term Not available.
 SureVector HIS6 Expression Tag (C-term) Not available.
 SureVector CBP Expression Tag (C-Term) Not available.
 SureVector SBP Expression Tag (C-term) Not available.
 SureVector Thioredoxin Expression Tag (C-Term) Not available.

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

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

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 HA Expression Tag C-Term Not available.
 SureVector c-Myc Expression Tag C-Term Not available.
 SureVector HIS6 Expression Tag (C-term) Not available.
 SureVector CBP Expression Tag (C-Term) Not available.
 SureVector SBP Expression Tag (C-term) Not available.
 SureVector Thioredoxin Expression Tag (C-Term) Not available.
 SureVector LacZ E. coli Control (C-term) Not available.

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

Partition coefficient: n-octanol/water : SureVector T7 E. coli Promoter Not applicable.
 SureVector Tac E. coli Promoter Not applicable.
 SureVector Rhamnose E. coli Promoter Not applicable.
 SureVector HA Expression Tag C-Term Not applicable.
 SureVector c-Myc Not applicable.

SECTION 9: Physical and chemical properties

Expression Tag C-Term
 SureVector HIS6 Not applicable.
 Expression Tag (C-term)
 SureVector CBP Not applicable.
 Expression Tag (C-Term)
 SureVector SBP Not applicable.
 Expression Tag (C-term)
 SureVector Thioredoxin Not applicable.
 Expression Tag (C-Term)

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

Vapour pressure

Ingredient name	Vapour Pressure at 20°C			Vapour pressure at 50°C		
	mm Hg	kPa	Method	mm Hg	kPa	Method
SureVector T7 E. coli Promoter						
water	23.8	3.2		92.258	12.3	
SureVector Tac E. coli Promoter						
water	23.8	3.2		92.258	12.3	
SureVector Rhamnose E. coli Promoter						
water	23.8	3.2		92.258	12.3	
SureVector HA Expression Tag C-Term						
water	23.8	3.2		92.258	12.3	
SureVector c-Myc Expression Tag C-Term						
water	23.8	3.2		92.258	12.3	
SureVector HIS6 Expression Tag (C-term)						
water	23.8	3.2		92.258	12.3	
SureVector CBP Expression Tag (C-Term)						
water	23.8	3.2		92.258	12.3	
SureVector SBP						

SECTION 9: Physical and chemical properties

Expression Tag (C-term)						
water	23.8	3.2			92.258	12.3
SureVector Thioredoxin Expression Tag (C-Term)						
water	23.8	3.2			92.258	12.3
SureVector LacZ E. coli Control (C-term)						
water	23.8	3.2			92.258	12.3

Evaporation rate : SureVector T7 E. coli Promoter Not available.
 SureVector Tac E. coli Promoter Not available.
 SureVector Rhamnose E. coli Promoter Not available.
 SureVector HA Expression Tag C-Term Not available.
 SureVector c-Myc Expression Tag C-Term Not available.
 SureVector HIS6 Expression Tag (C-term) Not available.
 SureVector CBP Expression Tag (C-Term) Not available.
 SureVector SBP Expression Tag (C-term) Not available.
 SureVector Thioredoxin Expression Tag (C-Term) Not available.

Relative density : SureVector LacZ E. coli Control (C-term) Not available.
 SureVector T7 E. coli Promoter Not available.
 SureVector Tac E. coli Promoter Not available.
 SureVector Rhamnose E. coli Promoter Not available.
 SureVector HA Expression Tag C-Term Not available.
 SureVector c-Myc Expression Tag C-Term Not available.
 SureVector HIS6 Expression Tag (C-term) Not available.
 SureVector CBP Expression Tag (C-Term) Not available.
 SureVector SBP Expression Tag (C-term) Not available.
 SureVector Thioredoxin Expression Tag (C-Term) Not available.
 SureVector LacZ E. coli Control (C-term) Not available.

SECTION 9: Physical and chemical properties

Vapour density : SureVector T7 E. coli Promoter Not available.
 SureVector Tac E. coli Promoter Not available.
 SureVector Rhamnose E. coli Promoter Not available.
 SureVector HA Expression Tag C-Term Not available.
 SureVector c-Myc Expression Tag C-Term Not available.
 SureVector HIS6 Expression Tag (C-term) Not available.
 SureVector CBP Expression Tag (C-Term) Not available.
 SureVector SBP Expression Tag (C-term) Not available.
 SureVector Thioredoxin Expression Tag (C-Term) Not available.

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

Explosive properties : SureVector T7 E. coli Promoter Not available.
 SureVector Tac E. coli Promoter Not available.
 SureVector Rhamnose E. coli Promoter Not available.
 SureVector HA Expression Tag C-Term Not available.
 SureVector c-Myc Expression Tag C-Term Not available.
 SureVector HIS6 Expression Tag (C-term) Not available.
 SureVector CBP Expression Tag (C-Term) Not available.
 SureVector SBP Expression Tag (C-term) Not available.
 SureVector Thioredoxin Expression Tag (C-Term) Not available.

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

Oxidising properties : SureVector T7 E. coli Promoter Not available.
 SureVector Tac E. coli Promoter Not available.
 SureVector Rhamnose E. coli Promoter Not available.
 SureVector HA Expression Tag C-Term Not available.
 SureVector c-Myc Expression Tag C-Term Not available.
 SureVector HIS6 Expression Tag (C-term) Not available.
 SureVector CBP Expression Tag (C-Term) Not available.
 SureVector SBP Expression Tag (C-term) Not available.
 SureVector Thioredoxin Expression Tag (C-Term) Not available.

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

SECTION 9: Physical and chemical properties

Particle characteristics

Median particle size	:	<ul style="list-style-type: none"> ☑ SureVector T7 E. coli Promoter Not applicable. SureVector Tac E. coli Promoter Not applicable. SureVector Rhamnose E. coli Promoter Not applicable. SureVector HA Expression Tag C-Term Not applicable. SureVector c-Myc Expression Tag C-Term Not applicable. SureVector HIS6 Expression Tag (C-term) Not applicable. SureVector CBP Expression Tag (C-Term) Not applicable. SureVector SBP Expression Tag (C-term) Not applicable. SureVector Thioredoxin Expression Tag (C-Term) Not applicable. SureVector LacZ E. coli Control (C-term) Not applicable.
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9.2 Other information

No additional information.

SECTION 10: Stability and reactivity

10.1 Reactivity	:	<ul style="list-style-type: none"> ☑ SureVector T7 E. coli Promoter No specific test data related to reactivity available for this product or its ingredients. SureVector Tac E. coli Promoter No specific test data related to reactivity available for this product or its ingredients. SureVector Rhamnose E. coli Promoter No specific test data related to reactivity available for this product or its ingredients. SureVector HA Expression Tag C-Term No specific test data related to reactivity available for this product or its ingredients. SureVector c-Myc Expression Tag C-Term No specific test data related to reactivity available for this product or its ingredients. SureVector HIS6 Expression Tag (C-term) No specific test data related to reactivity available for this product or its ingredients. SureVector CBP Expression Tag (C-Term) No specific test data related to reactivity available for this product or its ingredients. SureVector SBP Expression Tag (C-term) No specific test data related to reactivity available for this product or its ingredients. SureVector Thioredoxin Expression Tag (C-Term) No specific test data related to reactivity available for this product or its ingredients. SureVector LacZ E. coli Control (C-term) No specific test data related to reactivity available for this product or its ingredients.
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10.2 Chemical stability	:	<ul style="list-style-type: none"> ☑ SureVector T7 E. coli Promoter The product is stable. SureVector Tac E. coli Promoter The product is stable. SureVector Rhamnose E. coli Promoter The product is stable. SureVector HA Expression Tag C-Term The product is stable. SureVector c-Myc Expression Tag C-Term The product is stable. SureVector HIS6 Expression Tag (C-term) The product is stable. SureVector CBP The product is stable.
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SECTION 10: Stability and reactivity

Expression Tag (C-Term) SureVector SBP	The product is stable.
Expression Tag (C-term) SureVector Thioredoxin	The product is stable.
Expression Tag (C-Term)	
SureVector LacZ E. coli Control (C-term)	The product is stable.

10.3 Possibility of hazardous reactions

☑ SureVector T7 E. coli Promoter	Under normal conditions of storage and use, hazardous reactions will not occur.
SureVector Tac E. coli Promoter	Under normal conditions of storage and use, hazardous reactions will not occur.
SureVector Rhamnose E. coli Promoter	Under normal conditions of storage and use, hazardous reactions will not occur.
SureVector HA Expression Tag C-Term	Under normal conditions of storage and use, hazardous reactions will not occur.
SureVector c-Myc Expression Tag C-Term	Under normal conditions of storage and use, hazardous reactions will not occur.
SureVector HIS6 Expression Tag (C-term)	Under normal conditions of storage and use, hazardous reactions will not occur.
SureVector CBP Expression Tag (C-Term)	Under normal conditions of storage and use, hazardous reactions will not occur.
SureVector SBP Expression Tag (C-term)	Under normal conditions of storage and use, hazardous reactions will not occur.
SureVector Thioredoxin Expression Tag (C-Term)	Under normal conditions of storage and use, hazardous reactions will not occur.
SureVector LacZ E. coli Control (C-term)	Under normal conditions of storage and use, hazardous reactions will not occur.

10.4 Conditions to avoid

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

10.5 Incompatible materials

☑ SureVector T7 E. coli Promoter	May react or be incompatible with oxidising materials.
SureVector Tac E. coli Promoter	May react or be incompatible with oxidising materials.
SureVector Rhamnose E. coli Promoter	May react or be incompatible with oxidising materials.
SureVector HA Expression Tag C-Term	May react or be incompatible with oxidising materials.
SureVector c-Myc	May react or be incompatible with oxidising materials.

SECTION 10: Stability and reactivity

Expression Tag C-Term SureVector HIS6	May react or be incompatible with oxidising materials.
Expression Tag (C-term) SureVector CBP	May react or be incompatible with oxidising materials.
Expression Tag (C-Term) SureVector SBP	May react or be incompatible with oxidising materials.
Expression Tag (C-term) SureVector Thioredoxin	May react or be incompatible with oxidising materials.
Expression Tag (C-Term) SureVector LacZ E. coli Control (C-term)	May react or be incompatible with oxidising materials.

10.6 Hazardous decomposition products

☑ SureVector T7 E. coli Promoter	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SureVector Tac E. coli Promoter	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SureVector Rhamnose E. coli Promoter	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SureVector HA Expression Tag C-Term	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SureVector c-Myc Expression Tag C-Term	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SureVector HIS6 Expression Tag (C-term)	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SureVector CBP Expression Tag (C-Term)	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SureVector SBP Expression Tag (C-term)	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SureVector Thioredoxin Expression Tag (C-Term)	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SureVector LacZ E. coli Control (C-term)	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Acute toxicity estimates

N/A

Irritation/Corrosion

Conclusion/Summary : Not available.

Sensitiser

Conclusion/Summary : Not available.

Mutagenicity

Conclusion/Summary : Not available.

Carcinogenicity

Conclusion/Summary : Not available.

Reproductive toxicity

Conclusion/Summary : Not available.

Teratogenicity

Conclusion/Summary : Not available.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

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 HA Expression Tag C-Term	Not available.
SureVector c-Myc Expression Tag C-Term	Not available.
SureVector HIS6 Expression Tag (C-term)	Not available.
SureVector CBP Expression Tag (C-Term)	Not available.
SureVector SBP Expression Tag (C-term)	Not available.
SureVector Thioredoxin Expression Tag (C-Term)	Not available.
SureVector LacZ E. coli Control (C-term)	Not available.

Potential acute health effects

Inhalation

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

Ingestion

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

SECTION 11: Toxicological information

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

Symptoms related to the physical, chemical and toxicological characteristics

Inhalation	: SureVector T7 E. coli Promoter	No specific data.
	SureVector Tac E. coli Promoter	No specific data.
	SureVector Rhamnose E. coli Promoter	No specific data.
	SureVector HA Expression Tag C-Term	No specific data.
	SureVector c-Myc Expression Tag C-Term	No specific data.
	SureVector HIS6 Expression Tag (C-term)	No specific data.
	SureVector CBP Expression Tag (C-Term)	No specific data.

SECTION 11: Toxicological information

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

SECTION 11: Toxicological information

SureVector SBP Expression Tag (C-term) No specific data.
 SureVector Thioredoxin Expression Tag (C-Term) No specific data.

SureVector LacZ E. coli Control (C-term) No specific data.

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

Short term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Long term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Potential chronic health effects

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

SureVector LacZ E. coli Control (C-term) No known significant effects or critical hazards.

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

SureVector LacZ E. coli No known significant effects or critical hazards.

SECTION 11: Toxicological information

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

SECTION 12: Ecological information

12.1 Toxicity

Conclusion/Summary : Not available.

12.2 Persistence and degradability

12.3 Bioaccumulative potential

Not available.

12.4 Mobility in soil

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

Mobility : Not available.

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

SECTION 12: Ecological information

12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

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

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Methods of disposal : 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.

Hazardous waste : Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 2008/98/EC.

Packaging

Methods of disposal : The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

Special precautions : 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

	ADR/RID	IMDG	IATA
14.1 UN number	Not regulated.	Not regulated.	Not regulated.
14.2 UN proper shipping name	-	-	-
14.3 Transport hazard class(es)	-	-	-
14.4 Packing group	-	-	-
14.5 Environmental hazards	No.	No.	No.

Additional information

14.6 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.

14.7 Transport in bulk according to IMO instruments : Not available.

SECTION 15: Regulatory information

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

UK (GB)/REACH

Annex XIV - List of substances subject to authorisation

Annex XIV

None of the components are listed.

Substances of very high concern

None of the components are listed.

Ozone depleting substances

Not listed.

Prior Informed Consent (PIC)

Not listed.

Persistent Organic Pollutants

Not listed.

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

Not listed.

Label	:	SureVector T7 E. coli Promoter	Not applicable.
		SureVector Tac E. coli Promoter	Not applicable.
		SureVector Rhamnose E. coli Promoter	Not applicable.
		SureVector HA Expression Tag C-Term	Not applicable.
		SureVector c-Myc Expression Tag C-Term	Not applicable.
		SureVector HIS6 Expression Tag (C-term)	Not applicable.
		SureVector CBP Expression Tag (C-Term)	Not applicable.
		SureVector SBP Expression Tag (C-term)	Not applicable.
		SureVector Thioredoxin Expression Tag (C-Term)	Not applicable.
		SureVector LacZ E. coli Control (C-term)	Not applicable.

Seveso Directive

This product is not controlled under the Seveso Directive.

EU regulations

Industrial emissions (integrated pollution prevention and control) - Air : Not listed

Industrial emissions (integrated pollution prevention and control) - Water : Not listed

15.2 Chemical safety assessment : This product contains substances for which Chemical Safety Assessments might still be required.

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

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

SECTION 15: Regulatory information

Montreal Protocol

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

Inventory list

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

SECTION 16: Other information

 Indicates information that has changed from previously issued version.

- Abbreviations and acronyms** :
- ATE = Acute Toxicity Estimate
 - CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
 - DMEL = Derived Minimal Effect Level
 - DNEL = Derived No Effect Level
 - EUH statement = CLP-specific Hazard statement
 - N/A = Not available
 - PBT = Persistent, Bioaccumulative and Toxic
 - PNEC = Predicted No Effect Concentration
 - RRN = REACH Registration Number
 - vPvB = Very Persistent and Very Bioaccumulative

Procedure used to derive the classification

Not classified.

Full text of abbreviated H statements

Not applicable.

Full text of classifications

Not applicable.

- Date of issue/ Date of revision** : 06/09/2022
- Date of previous issue** : 24/11/2019
- Version** : 3

Notice to reader

SECTION 16: Other information

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