

SAFETY DATA SHEET



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

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

1.1 Product identifier

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

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

- Material uses** : Analytical reagent.
- SureVector T7 E. coli Promoter 0.03 ml (15 reactions)
- SureVector Tac E. coli Promoter 0.03 ml (15 reactions)
- SureVector Rhamnose E. coli Promoter 0.03 ml (15 reactions)
- SureVector GST E. coli Expression Tag (N-term) 0.03 ml (15 reactions)
- SureVector MBP E. coli Expression Tag (N-term) 0.03 ml (15 reactions)
- SureVector HIS6 E. coli Expression Tag (N-term) 0.03 ml (15 reactions)
- SureVector CBP E. coli Expression Tag (N-term) 0.03 ml (15 reactions)
- SureVector SBP E. coli Expression Tag (N-term) 0.03 ml (15 reactions)
- SureVector His-DsbA E. coli Expression Tag (N-term) 0.03 ml (15 reactions)
- SureVector LacZ Control (N-term) 0.03 ml (15 reactions)

1.3 Details of the supplier of the safety data sheet

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

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

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

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

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 GST E. coli Expression Tag (N-term)	No signal word.
SureVector MBP E. coli Expression Tag (N-term)	No signal word.
SureVector HIS6 E. coli Expression Tag (N-term)	No signal word.
SureVector CBP E. coli Expression Tag (N-term)	No signal word.
SureVector SBP E. coli Expression Tag (N-term)	No signal word.
SureVector His-DsbA E. coli Expression Tag (N-term)	No signal word.
SureVector LacZ Control (N-term)	No signal word.

SECTION 2: Hazards identification

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

Precautionary statements

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

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

SECTION 2: Hazards identification

	(N-term)	
Storage	: SureVector T7 <i>E. coli</i> Promoter	Not applicable.
	SureVector Tac <i>E. coli</i> Promoter	Not applicable.
	SureVector Rhamnose <i>E. coli</i> Promoter	Not applicable.
	SureVector GST <i>E. coli</i> Expression Tag (N-term)	Not applicable.
	SureVector MBP <i>E. coli</i> Expression Tag (N-term)	Not applicable.
	SureVector HIS6 <i>E. coli</i> Expression Tag (N-term)	Not applicable.
	SureVector CBP <i>E. coli</i> Expression Tag (N-term)	Not applicable.
	SureVector SBP <i>E. coli</i> Expression Tag (N-term)	Not applicable.
	SureVector His-DsbA <i>E. coli</i> Expression Tag (N-term)	Not applicable.
	SureVector LacZ Control (N-term)	Not applicable.
Disposal	: SureVector T7 <i>E. coli</i> Promoter	Not applicable.
	SureVector Tac <i>E. coli</i> Promoter	Not applicable.
	SureVector Rhamnose <i>E. coli</i> Promoter	Not applicable.
	SureVector GST <i>E. coli</i> Expression Tag (N-term)	Not applicable.
	SureVector MBP <i>E. coli</i> Expression Tag (N-term)	Not applicable.
	SureVector HIS6 <i>E. coli</i> Expression Tag (N-term)	Not applicable.
	SureVector CBP <i>E. coli</i> Expression Tag (N-term)	Not applicable.
	SureVector SBP <i>E. coli</i> Expression Tag (N-term)	Not applicable.
	SureVector His-DsbA <i>E. coli</i> Expression Tag (N-term)	Not applicable.
	SureVector LacZ Control (N-term)	Not applicable.
Supplemental label elements	: SureVector T7 <i>E. coli</i> Promoter	Not applicable.
	SureVector Tac <i>E. coli</i> Promoter	Not applicable.
	SureVector Rhamnose <i>E. coli</i> Promoter	Not applicable.
	SureVector GST <i>E. coli</i> Expression Tag (N-term)	Not applicable.
	SureVector MBP <i>E. coli</i> Expression Tag (N-term)	Not applicable.
	SureVector HIS6 <i>E. coli</i> Expression Tag (N-term)	Not applicable.
	SureVector CBP <i>E. coli</i> Expression Tag (N-term)	Not applicable.
	SureVector SBP <i>E. coli</i> Expression Tag (N-term)	Not applicable.
	SureVector His-DsbA <i>E. coli</i> Expression Tag (N-term)	Not applicable.

SECTION 2: Hazards identification

	SureVector LacZ Control (N-term)	Not applicable.
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	SureVector T7 E. coli Promoter	Not applicable.
	SureVector Tac E. coli Promoter	Not applicable.
	SureVector Rhamnose E. coli Promoter	Not applicable.
	SureVector GST E. coli Expression Tag (N-term)	Not applicable.
	SureVector MBP E. coli Expression Tag (N-term)	Not applicable.
	SureVector HIS6 E. coli Expression Tag (N-term)	Not applicable.
	SureVector CBP E. coli Expression Tag (N-term)	Not applicable.
	SureVector SBP E. coli Expression Tag (N-term)	Not applicable.
	SureVector His-DsbA E. coli Expression Tag (N-term)	Not applicable.
	SureVector LacZ Control (N-term)	Not applicable.

Special packaging requirements

Tactile warning of danger	SureVector T7 E. coli Promoter	Not applicable.
	SureVector Tac E. coli Promoter	Not applicable.
	SureVector Rhamnose E. coli Promoter	Not applicable.
	SureVector GST E. coli Expression Tag (N-term)	Not applicable.
	SureVector MBP E. coli Expression Tag (N-term)	Not applicable.
	SureVector HIS6 E. coli Expression Tag (N-term)	Not applicable.
	SureVector CBP E. coli Expression Tag (N-term)	Not applicable.
	SureVector SBP E. coli Expression Tag (N-term)	Not applicable.
	SureVector His-DsbA E. coli Expression Tag (N-term)	Not applicable.
	SureVector LacZ Control (N-term)	Not applicable.

2.3 Other hazards

Product meets the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII	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 GST E. coli Expression Tag (N-term)	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
	SureVector MBP E. coli Expression Tag (N-term)	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
	SureVector HIS6 E. coli Expression Tag (N-term)	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
	SureVector CBP E. coli Expression Tag (N-term)	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
	SureVector SBP E. coli	This mixture does not contain any substances that are

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SECTION 2: Hazards identification

Expression Tag (N-term)	assessed to be a PBT or a vPvB.
SureVector His-DsbA E. coli Expression Tag (N-term)	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
SureVector LacZ Control (N-term)	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

Other hazards which do not result in classification

: SureVector T7 E. coli Promoter	None known.
SureVector Tac E. coli Promoter	None known.
SureVector Rhamnose E. coli Promoter	None known.
SureVector GST E. coli Expression Tag (N-term)	None known.
SureVector MBP E. coli Expression Tag (N-term)	None known.
SureVector HIS6 E. coli Expression Tag (N-term)	None known.
SureVector CBP E. coli Expression Tag (N-term)	None known.
SureVector SBP E. coli Expression Tag (N-term)	None known.
SureVector His-DsbA E. coli Expression Tag (N-term)	None known.
SureVector LacZ Control (N-term)	None known.

SECTION 3: Composition/information on ingredients

3.1 Substances

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

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified 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.

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

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

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SureVector GST E. coli Expression Tag (N-term)	any contact lenses. Get medical attention if irritation occurs. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
SureVector MBP E. coli Expression Tag (N-term)	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
SureVector HIS6 E. coli Expression Tag (N-term)	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
SureVector CBP E. coli Expression Tag (N-term)	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
SureVector SBP E. coli Expression Tag (N-term)	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
SureVector His-DsbA E. coli Expression Tag (N-term)	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
SureVector LacZ Control (N-term)	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.

Inhalation

: SureVector T7 E. coli Promoter	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
SureVector Tac E. coli Promoter	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
SureVector Rhamnose E. coli Promoter	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
SureVector GST E. coli Expression Tag (N-term)	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
SureVector MBP E. coli Expression Tag (N-term)	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
SureVector HIS6 E. coli Expression Tag (N-term)	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
SureVector CBP E. coli Expression Tag (N-term)	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
SureVector SBP E. coli Expression Tag (N-term)	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
SureVector His-DsbA E. coli Expression Tag (N-term)	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
SureVector LacZ Control (N-term)	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

Skin contact

: SureVector T7 E. coli Promoter	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
SureVector Tac E. coli Promoter	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
SureVector Rhamnose E. coli Promoter	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
SureVector GST E. coli Expression Tag (N-term)	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if

SECTION 4: First aid measures

symptoms occur.

SureVector MBP E. coli Expression Tag (N-term) Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

SureVector HIS6 E. coli Expression Tag (N-term) Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

SureVector CBP E. coli Expression Tag (N-term) Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

SureVector SBP E. coli Expression Tag (N-term) Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

SureVector His-DsbA E. coli Expression Tag (N-term) Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

SureVector LacZ Control (N-term) Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

Ingestion

: SureVector T7 E. coli Promoter Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

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

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

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

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

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

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

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

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

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	SureVector LacZ Control (N-term)	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
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 GST E. coli Expression Tag (N-term)	No action shall be taken involving any personal risk or without suitable training.
	SureVector MBP E. coli Expression Tag (N-term)	No action shall be taken involving any personal risk or without suitable training.
	SureVector HIS6 E. coli Expression Tag (N-term)	No action shall be taken involving any personal risk or without suitable training.
	SureVector CBP E. coli Expression Tag (N-term)	No action shall be taken involving any personal risk or without suitable training.
	SureVector SBP E. coli Expression Tag (N-term)	No action shall be taken involving any personal risk or without suitable training.
	SureVector His-DsbA E. coli Expression Tag (N-term)	No action shall be taken involving any personal risk or without suitable training.
	SureVector LacZ Control (N-term)	No action shall be taken involving any personal risk or without suitable training.

4.2 Most important symptoms and effects, both acute and delayed

Potential acute health effects

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

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	SureVector CBP E. coli Expression Tag (N-term)	No known significant effects or critical hazards.
	SureVector SBP E. coli Expression Tag (N-term)	No known significant effects or critical hazards.
	SureVector His-DsbA E. coli Expression Tag (N-term)	No known significant effects or critical hazards.
	SureVector LacZ Control (N-term)	No known significant effects or critical hazards.
Skin contact	: SureVector T7 E. coli Promoter	No known significant effects or critical hazards.
	SureVector Tac E. coli Promoter	No known significant effects or critical hazards.
	SureVector Rhamnose E. coli Promoter	No known significant effects or critical hazards.
	SureVector GST E. coli Expression Tag (N-term)	No known significant effects or critical hazards.
	SureVector MBP E. coli Expression Tag (N-term)	No known significant effects or critical hazards.
	SureVector HIS6 E. coli Expression Tag (N-term)	No known significant effects or critical hazards.
	SureVector CBP E. coli Expression Tag (N-term)	No known significant effects or critical hazards.
	SureVector SBP E. coli Expression Tag (N-term)	No known significant effects or critical hazards.
	SureVector His-DsbA E. coli Expression Tag (N-term)	No known significant effects or critical hazards.
	SureVector LacZ Control (N-term)	No known significant effects or critical hazards.
Ingestion	: SureVector T7 E. coli Promoter	No known significant effects or critical hazards.
	SureVector Tac E. coli Promoter	No known significant effects or critical hazards.
	SureVector Rhamnose E. coli Promoter	No known significant effects or critical hazards.
	SureVector GST E. coli Expression Tag (N-term)	No known significant effects or critical hazards.
	SureVector MBP E. coli Expression Tag (N-term)	No known significant effects or critical hazards.
	SureVector HIS6 E. coli Expression Tag (N-term)	No known significant effects or critical hazards.
	SureVector CBP E. coli Expression Tag (N-term)	No known significant effects or critical hazards.
	SureVector SBP E. coli Expression Tag (N-term)	No known significant effects or critical hazards.
	SureVector His-DsbA E. coli Expression Tag (N-term)	No known significant effects or critical hazards.
	SureVector LacZ Control (N-term)	No known significant effects or critical hazards.
<u>Over-exposure signs/symptoms</u>		
Eye contact	: SureVector T7 E. coli Promoter	No specific data.
	SureVector Tac E. coli Promoter	No specific data.
	SureVector Rhamnose E. coli Promoter	No specific data.
	SureVector GST E. coli Expression Tag (N-term)	No specific data.
	SureVector MBP E. coli Expression Tag (N-term)	No specific data.

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

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SureVector HIS6 E. coli Expression Tag (N-term)	No specific data.
SureVector CBP E. coli Expression Tag (N-term)	No specific data.
SureVector SBP E. coli Expression Tag (N-term)	No specific data.
SureVector His-DsbA E. coli Expression Tag (N-term)	No specific data.
SureVector LacZ Control (N-term)	No specific data.

4.3 Indication of 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 GST E. coli Expression Tag (N-term)	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
SureVector MBP E. coli Expression Tag (N-term)	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
SureVector HIS6 E. coli Expression Tag (N-term)	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
SureVector CBP E. coli Expression Tag (N-term)	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
SureVector SBP E. coli Expression Tag (N-term)	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
SureVector His-DsbA E. coli Expression Tag (N-term)	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
SureVector LacZ Control (N-term)	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Specific treatments

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

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

5.2 Special hazards arising from the substance or mixture

Hazards from the substance or mixture	: SureVector T7 E. coli Promoter	In a fire or if heated, a pressure increase will occur and the container may burst.
	SureVector Tac E. coli Promoter	In a fire or if heated, a pressure increase will occur and the container may burst.
	SureVector Rhamnose E. coli Promoter	In a fire or if heated, a pressure increase will occur and the container may burst.
	SureVector GST E. coli Expression Tag (N-term)	In a fire or if heated, a pressure increase will occur and the container may burst.
	SureVector MBP E. coli Expression Tag (N-term)	In a fire or if heated, a pressure increase will occur and the container may burst.
	SureVector HIS6 E. coli Expression Tag (N-term)	In a fire or if heated, a pressure increase will occur and the container may burst.
	SureVector CBP E. coli Expression Tag (N-term)	In a fire or if heated, a pressure increase will occur and the container may burst.
	SureVector SBP E. coli Expression Tag (N-term)	In a fire or if heated, a pressure increase will occur and the container may burst.
	SureVector His-DsbA E.	In a fire or if heated, a pressure increase will occur and the

SECTION 5: Firefighting measures

Hazardous combustion products	coli Expression Tag (N-term)	container may burst.
	SureVector LacZ Control (N-term)	In a fire or if heated, a pressure increase will occur and the container may burst.
	SureVector T7 E. coli Promoter	No specific data.
	SureVector Tac E. coli Promoter	No specific data.
	SureVector Rhamnose E. coli Promoter	No specific data.
	SureVector GST E. coli Expression Tag (N-term)	No specific data.
	SureVector MBP E. coli Expression Tag (N-term)	No specific data.
	SureVector HIS6 E. coli Expression Tag (N-term)	No specific data.
	SureVector CBP E. coli Expression Tag (N-term)	No specific data.
	SureVector SBP E. coli Expression Tag (N-term)	No specific data.
	SureVector His-DsbA E. coli Expression Tag (N-term)	No specific data.
	SureVector LacZ Control (N-term)	No specific data.

5.3 Advice for firefighters

Special precautions for fire-fighters	SureVector T7 E. coli Promoter	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
	SureVector Tac E. coli Promoter	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
	SureVector Rhamnose E. coli Promoter	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
	SureVector GST E. coli Expression Tag (N-term)	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
	SureVector MBP E. coli Expression Tag (N-term)	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
	SureVector HIS6 E. coli Expression Tag (N-term)	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
	SureVector CBP E. coli Expression Tag (N-term)	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
	SureVector SBP E. coli Expression Tag (N-term)	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
	SureVector His-DsbA E. coli Expression Tag (N-term)	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
	SureVector LacZ Control (N-term)	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

SECTION 5: Firefighting measures

Special protective equipment for fire-fighters

SureVector T7 E. coli Promoter	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
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. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
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. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
SureVector GST E. coli Expression Tag (N-term)	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
SureVector MBP E. coli Expression Tag (N-term)	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
SureVector HIS6 E. coli Expression Tag (N-term)	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
SureVector CBP E. coli Expression Tag (N-term)	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
SureVector SBP E. coli Expression Tag (N-term)	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
SureVector His-DsbA E. coli Expression Tag (N-term)	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
SureVector LacZ Control (N-term)	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

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 GST E. coli Expression Tag (N-term)	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
	SureVector MBP E. coli Expression Tag (N-term)	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
	SureVector HIS6 E. coli Expression Tag (N-term)	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
	SureVector CBP E. coli Expression Tag (N-term)	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
	SureVector SBP E. coli Expression Tag (N-term)	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
	SureVector His-DsbA E. coli Expression Tag (N-term)	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
	SureVector LacZ Control (N-term)	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
For emergency responders	: SureVector T7 E. coli Promoter	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
	SureVector Tac E. coli Promoter	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
	SureVector Rhamnose E. coli Promoter	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

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SureVector GST E. coli Expression Tag (N-term)	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureVector MBP E. coli Expression Tag (N-term)	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureVector HIS6 E. coli Expression Tag (N-term)	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureVector CBP E. coli Expression Tag (N-term)	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureVector SBP E. coli Expression Tag (N-term)	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureVector His-DsbA E. coli Expression Tag (N-term)	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureVector LacZ Control (N-term)	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

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

SECTION 6: Accidental release measures

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

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 GST E. coli Expression Tag (N-term)	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
	SureVector MBP E. coli Expression Tag (N-term)	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
	SureVector HIS6 E. coli Expression Tag (N-term)	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
	SureVector CBP E. coli Expression Tag (N-term)	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
	SureVector SBP E. coli Expression Tag (N-term)	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
	SureVector His-DsbA E. coli Expression Tag (N-term)	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
	SureVector LacZ Control (N-term)	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

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

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

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

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	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 <i>E. coli</i> Expression Tag (N-term)	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been 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 <i>E. coli</i> Expression Tag (N-term)	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been 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 <i>E. coli</i> Expression Tag (N-term)	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been 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 His-DsbA <i>E. coli</i> Expression Tag (N-term)	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been 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 Control (N-term)	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in 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)

SECTION 7: Handling and storage

Recommendations	:	SureVector T7 E. coli Promoter	Industrial applications, Professional applications.
		SureVector Tac E. coli Promoter	Industrial applications, Professional applications.
		SureVector Rhamnose E. coli Promoter	Industrial applications, Professional applications.
		SureVector GST E. coli Expression Tag (N-term)	Industrial applications, Professional applications.
		SureVector MBP E. coli Expression Tag (N-term)	Industrial applications, Professional applications.
		SureVector HIS6 E. coli Expression Tag (N-term)	Industrial applications, Professional applications.
		SureVector CBP E. coli Expression Tag (N-term)	Industrial applications, Professional applications.
		SureVector SBP E. coli Expression Tag (N-term)	Industrial applications, Professional applications.
		SureVector His-DsbA E. coli Expression Tag (N-term)	Industrial applications, Professional applications.
		SureVector LacZ Control (N-term)	Industrial applications, Professional applications.
Industrial sector specific solutions	:	<input checked="" type="checkbox"/> SureVector T7 E. coli Promoter	Not available.
		SureVector Tac E. coli Promoter	Not available.
		SureVector Rhamnose E. coli Promoter	Not available.
		SureVector GST E. coli Expression Tag (N-term)	Not available.
		SureVector MBP E. coli Expression Tag (N-term)	Not available.
		SureVector HIS6 E. coli Expression Tag (N-term)	Not available.
		SureVector CBP E. coli Expression Tag (N-term)	Not available.
		SureVector SBP E. coli Expression Tag (N-term)	Not available.
		SureVector His-DsbA E. coli Expression Tag (N-term)	Not available.
		SureVector LacZ Control (N-term)	Not available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

No exposure limit value known.

Recommended monitoring procedures

: If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

DNELs/DMELs

SECTION 8: Exposure controls/personal protection

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

Physical state	: SureVector T7 <i>E. coli</i> Promoter	Liquid.
	SureVector Tac <i>E. coli</i> Promoter	Liquid.
	SureVector Rhamnose <i>E. coli</i> Promoter	Liquid.
	SureVector GST <i>E. coli</i> Expression Tag (N-term)	Liquid.
	SureVector MBP <i>E. coli</i> Expression Tag (N-term)	Liquid.
	SureVector HIS6 <i>E. coli</i> Expression Tag (N-term)	Liquid.
	SureVector CBP <i>E. coli</i> Expression Tag (N-term)	Liquid.
	SureVector SBP <i>E. coli</i>	Liquid.

SECTION 9: Physical and chemical properties

	Expression Tag (N-term)	
	SureVector His-DsbA <i>E. coli</i> Expression Tag (N-term)	Liquid.
	SureVector LacZ Control (N-term)	Liquid.
Colour	: SureVector T7 <i>E. coli</i> Promoter	Not available.
	SureVector Tac <i>E. coli</i> Promoter	Not available.
	SureVector Rhamnose <i>E. coli</i> Promoter	Not available.
	SureVector GST <i>E. coli</i> Expression Tag (N-term)	Not available.
	SureVector MBP <i>E. coli</i> Expression Tag (N-term)	Not available.
	SureVector HIS6 <i>E. coli</i> Expression Tag (N-term)	Not available.
	SureVector CBP <i>E. coli</i> Expression Tag (N-term)	Not available.
	SureVector SBP <i>E. coli</i> Expression Tag (N-term)	Not available.
	SureVector His-DsbA <i>E. coli</i> Expression Tag (N-term)	Not available.
	SureVector LacZ Control (N-term)	Not available.
Odour	: SureVector T7 <i>E. coli</i> Promoter	Not available.
	SureVector Tac <i>E. coli</i> Promoter	Not available.
	SureVector Rhamnose <i>E. coli</i> Promoter	Not available.
	SureVector GST <i>E. coli</i> Expression Tag (N-term)	Not available.
	SureVector MBP <i>E. coli</i> Expression Tag (N-term)	Not available.
	SureVector HIS6 <i>E. coli</i> Expression Tag (N-term)	Not available.
	SureVector CBP <i>E. coli</i> Expression Tag (N-term)	Not available.
	SureVector SBP <i>E. coli</i> Expression Tag (N-term)	Not available.
	SureVector His-DsbA <i>E. coli</i> Expression Tag (N-term)	Not available.
	SureVector LacZ Control (N-term)	Not available.
Odour threshold	: SureVector T7 <i>E. coli</i> Promoter	Not available.
	SureVector Tac <i>E. coli</i> Promoter	Not available.
	SureVector Rhamnose <i>E. coli</i> Promoter	Not available.
	SureVector GST <i>E. coli</i> Expression Tag (N-term)	Not available.
	SureVector MBP <i>E. coli</i> Expression Tag (N-term)	Not available.
	SureVector HIS6 <i>E. coli</i> Expression Tag (N-term)	Not available.
	SureVector CBP <i>E. coli</i> Expression Tag (N-term)	Not available.
	SureVector SBP <i>E. coli</i>	Not available.

SECTION 9: Physical and chemical properties

	Expression Tag (N-term)	
	SureVector His-DsbA E. coli Expression Tag (N-term)	Not available.
	SureVector LacZ Control (N-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 GST E. coli Expression Tag (N-term)	0°C
	SureVector MBP E. coli Expression Tag (N-term)	0°C
	SureVector HIS6 E. coli Expression Tag (N-term)	0°C
	SureVector CBP E. coli Expression Tag (N-term)	0°C
	SureVector SBP E. coli Expression Tag (N-term)	0°C
	SureVector His-DsbA E. coli Expression Tag (N-term)	0°C
	SureVector LacZ Control (N-term)	0°C
Initial boiling point and boiling range	: SureVector T7 E. coli Promoter	100°C (212°F)
	SureVector Tac E. coli Promoter	100°C (212°F)
	SureVector Rhamnose E. coli Promoter	100°C (212°F)
	SureVector GST E. coli Expression Tag (N-term)	100°C (212°F)
	SureVector MBP E. coli Expression Tag (N-term)	100°C (212°F)
	SureVector HIS6 E. coli Expression Tag (N-term)	100°C (212°F)
	SureVector CBP E. coli Expression Tag (N-term)	100°C (212°F)
	SureVector SBP E. coli Expression Tag (N-term)	100°C (212°F)
	SureVector His-DsbA E. coli Expression Tag (N-term)	100°C (212°F)
	SureVector LacZ Control (N-term)	100°C (212°F)
Flammability (solid, gas)	: SureVector T7 E. coli Promoter	Not applicable.
	SureVector Tac E. coli Promoter	Not applicable.
	SureVector Rhamnose E. coli Promoter	Not applicable.
	SureVector GST E. coli Expression Tag (N-term)	Not applicable.
	SureVector MBP E. coli Expression Tag (N-term)	Not applicable.
	SureVector HIS6 E. coli Expression Tag (N-term)	Not applicable.
	SureVector CBP E. coli Expression Tag (N-term)	Not applicable.
	SureVector SBP E. coli	Not applicable.

SECTION 9: Physical and chemical properties

Upper/lower flammability or explosive limits

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

Flash point

Ingredient name	Closed cup			Open cup		
	°C	°F	Method	°C	°F	Method
SureVector T7 E. coli Promoter						
Edetic acid	>100	>212	DIN 51758			
SureVector Tac E. coli Promoter						
Edetic acid	>100	>212	DIN 51758			
SureVector Rhamnose E. coli Promoter						
Edetic acid	>100	>212	DIN 51758			
SureVector GST E. coli Expression Tag (N-term)						
Edetic acid	>100	>212	DIN 51758			
SureVector MBP E. coli Expression Tag (N-term)						
Edetic acid	>100	>212	DIN 51758			
SureVector HIS6 E. coli Expression Tag (N-term)						
Edetic acid	>100	>212	DIN 51758			
SureVector CBP E. coli Expression Tag (N-term)						
Edetic acid	>100	>212	DIN 51758			

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

Auto-ignition temperature

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

SECTION 9: Physical and chemical properties

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

SECTION 9: Physical and chemical properties

Solubility(ies)	:	SureVector T7 E. coli Promoter SureVector Tac E. coli Promoter SureVector Rhamnose E. coli Promoter SureVector GST E. coli Expression Tag (N-term) SureVector MBP E. coli Expression Tag (N-term) SureVector HIS6 E. coli Expression Tag (N-term) SureVector CBP E. coli Expression Tag (N-term) SureVector SBP E. coli Expression Tag (N-term) SureVector His-DsbA E. coli Expression Tag (N-term) SureVector LacZ Control (N-term)	Easily soluble in the following materials: cold water and hot water. Easily soluble in the following materials: cold water and hot water. Easily soluble in the following materials: cold water and hot water. Easily soluble in the following materials: cold water and hot water. Easily soluble in the following materials: cold water and hot water. Easily soluble in the following materials: cold water and hot water. Easily soluble in the following materials: cold water and hot water. Easily soluble in the following materials: cold water and hot water. Easily soluble in the following materials: cold water and hot water. Easily soluble in the following materials: cold water and hot water. Easily soluble in the following materials: cold water and hot water.
Partition coefficient: n-octanol/water	:	SureVector T7 E. coli Promoter SureVector Tac E. coli Promoter SureVector Rhamnose E. coli Promoter SureVector GST E. coli Expression Tag (N-term) SureVector MBP E. coli Expression Tag (N-term) SureVector HIS6 E. coli Expression Tag (N-term) SureVector CBP E. coli Expression Tag (N-term) SureVector SBP E. coli Expression Tag (N-term) SureVector His-DsbA E. coli Expression Tag (N-term) SureVector LacZ Control (N-term)	Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable.
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	
2-Amino-2-(hydroxymethyl)propane-1,3-diol hydrochloride	0	0		0.000007501	0.000001	
SureVector Tac E. coli Promoter						
Water	23.8	3.2		92.258	12.3	
2-Amino-2-(hydroxymethyl)propane-1,3-diol hydrochloride	0	0		0.000007501	0.000001	

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SECTION 9: Physical and chemical properties

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

SECTION 9: Physical and chemical properties

Evaporation rate	: SureVector T7 <i>E. coli</i> Promoter	Not available.	
	SureVector Tac <i>E. coli</i> Promoter	Not available.	
	SureVector Rhamnose <i>E. coli</i> Promoter	Not available.	
	SureVector GST <i>E. coli</i> Expression Tag (N-term)	Not available.	
	SureVector MBP <i>E. coli</i> Expression Tag (N-term)	Not available.	
	SureVector HIS6 <i>E. coli</i> Expression Tag (N-term)	Not available.	
	SureVector CBP <i>E. coli</i> Expression Tag (N-term)	Not available.	
	SureVector SBP <i>E. coli</i> Expression Tag (N-term)	Not available.	
	SureVector His-DsbA <i>E. coli</i> Expression Tag (N-term)	Not available.	
	SureVector LacZ Control (N-term)	Not available.	
	Relative density	: SureVector T7 <i>E. coli</i> Promoter	Not available.
		SureVector Tac <i>E. coli</i> Promoter	Not available.
		SureVector Rhamnose <i>E. coli</i> Promoter	Not available.
SureVector GST <i>E. coli</i> Expression Tag (N-term)		Not available.	
SureVector MBP <i>E. coli</i> Expression Tag (N-term)		Not available.	
SureVector HIS6 <i>E. coli</i> Expression Tag (N-term)		Not available.	
SureVector CBP <i>E. coli</i> Expression Tag (N-term)		Not available.	
SureVector SBP <i>E. coli</i> Expression Tag (N-term)		Not available.	
SureVector His-DsbA <i>E. coli</i> Expression Tag (N-term)		Not available.	
SureVector LacZ Control (N-term)		Not available.	
Vapour density		: SureVector T7 <i>E. coli</i> Promoter	Not available.
		SureVector Tac <i>E. coli</i> Promoter	Not available.
		SureVector Rhamnose <i>E. coli</i> Promoter	Not available.
	SureVector GST <i>E. coli</i> Expression Tag (N-term)	Not available.	
	SureVector MBP <i>E. coli</i> Expression Tag (N-term)	Not available.	
	SureVector HIS6 <i>E. coli</i> Expression Tag (N-term)	Not available.	
	SureVector CBP <i>E. coli</i> Expression Tag (N-term)	Not available.	
	SureVector SBP <i>E. coli</i> Expression Tag (N-term)	Not available.	
	SureVector His-DsbA <i>E. coli</i> Expression Tag (N-term)	Not available.	
	SureVector LacZ Control (N-term)	Not available.	

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

Particle characteristics

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

9.2 Other information

No additional information.

SECTION 10: Stability and reactivity

10.1 Reactivity	: SureVector T7 E. coli Promoter	No specific test data related to reactivity available for this product or its ingredients.
	SureVector Tac E. coli Promoter	No specific test data related to reactivity available for this product or its ingredients.
	SureVector Rhamnose E. coli Promoter	No specific test data related to reactivity available for this product or its ingredients.
	SureVector GST E. coli Expression Tag (N-term)	No specific test data related to reactivity available for this product or its ingredients.
	SureVector MBP E. coli Expression Tag (N-term)	No specific test data related to reactivity available for this product or its ingredients.
	SureVector HIS6 E. coli Expression Tag (N-term)	No specific test data related to reactivity available for this product or its ingredients.
	SureVector CBP E. coli Expression Tag (N-term)	No specific test data related to reactivity available for this product or its ingredients.

SECTION 10: Stability and reactivity

SureVector SBP E. coli Expression Tag (N-term)	No specific test data related to reactivity available for this product or its ingredients.
SureVector His-DsbA E. coli Expression Tag (N-term)	No specific test data related to reactivity available for this product or its ingredients.
SureVector LacZ Control (N-term)	No specific test data related to reactivity available for this product or its ingredients.

10.2 Chemical stability

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

10.3 Possibility of hazardous reactions

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

10.4 Conditions to avoid

: SureVector T7 E. coli Promoter	No specific data.
SureVector Tac E. coli Promoter	No specific data.
SureVector Rhamnose E. coli Promoter	No specific data.
SureVector GST E. coli Expression Tag (N-term)	No specific data.
SureVector MBP E. coli Expression Tag (N-term)	No specific data.
SureVector HIS6 E. coli	No specific data.

SECTION 10: Stability and reactivity

Expression Tag (N-term)
 SureVector CBP E. coli No specific data.
 Expression Tag (N-term)
 SureVector SBP E. coli No specific data.
 Expression Tag (N-term)
 SureVector His-DsbA E. coli No specific data.
 coli Expression Tag (N-term)
 SureVector LacZ Control No specific data.
 (N-term)

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

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

SECTION 11: Toxicological information**11.1 Information on toxicological effects****Acute toxicity**

Not available.

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.

Aspiration hazard

Not available.

Information on likely routes of exposure

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

Potential acute health effects

Inhalation	SureVector T7 <i>E. coli</i> Promoter	No known significant effects or critical hazards.
	SureVector Tac <i>E. coli</i> Promoter	No known significant effects or critical hazards.
	SureVector Rhamnose <i>E. coli</i> Promoter	No known significant effects or critical hazards.
	SureVector GST <i>E. coli</i> Expression Tag (N-term)	No known significant effects or critical hazards.

SECTION 11: Toxicological information

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

SECTION 11: Toxicological information

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

Symptoms related to the physical, chemical and toxicological characteristics

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

SECTION 11: Toxicological information

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

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

SECTION 11: Toxicological information

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

SECTION 11: Toxicological information

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

SECTION 12: Ecological information

12.1 Toxicity

Conclusion/Summary : Not available.

12.2 Persistence and degradability

Not available.

12.3 Bioaccumulative potential

Not available.

12.4 Mobility in soil

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

Mobility : Not available.

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

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

SECTION 13: Disposal considerations

- 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 EU Regulation (EC) No. 1907/2006 (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.

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

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

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

SECTION 15: Regulatory information

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

Other EU regulations

Ozone depleting substances (1005/2009/EU)

Not listed.

Prior Informed Consent (PIC) (649/2012/EU)

Not listed.

Persistent Organic Pollutants

Not listed.

Seveso Directive

This product is not controlled under the Seveso Directive.

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

Montreal Protocol

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

Inventory list

Australia	: Not determined.
Canada	: Not determined.
China	: All components are listed or exempted.
Europe	: All components are listed or exempted.
Japan	: Japan inventory (CSCL) : Not determined. Japan inventory (ISHL) : All components are listed or exempted.
New Zealand	: Not determined.
Philippines	: Not determined.
Republic of Korea	: Not determined.
Taiwan	: All components are listed or exempted.
Thailand	: Not determined.
Turkey	: Not determined.
United States	: <input checked="" type="checkbox"/> All components are active or exempted.
Viet Nam	: Not determined.

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

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

Classification	Justification
Not classified.	

Full text of abbreviated H statements

Not applicable.

Full text of classifications [CLP/GHS]

Not applicable.

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