SAFETY DATA SHEET



Gigapack III XL-7 Packaging Extract, Part Number 200208

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

1.1 Product identifier			
Product name	Gigapack III XL-7 Packaging Extract, Part Number 200208		
Part no. (chemical kit)	: 200208		
Part no.	: Gigapack III XL - 11 packaging extract	200207-41	
	Wild-Type Lambda DNA c1857ind 1 Sam7	246203-51	
	VCS257 E. coli Strain	200256-51	
1.2 Relevant identified use	s of the substance or mixture and uses advise	ed against	
Identified uses	: Analytical reagent.		
	Gigapack III XL - 11 packaging extract Wild-Type Lambda DNA c1857ind 1 Sam7 VCS257 E. coli Strain	0.175 ml 0.005 ml (1.05 µg = 0.21 µg/µl) 1 ml	

Uses advised against : None known.

1.3 Details of the supplier of the safety data sheet

Agilent Technologies Deutschland GmbH					
Hewlett-Packard-Str. 8	Hewlett-Packard-Str. 8				
76337 Waldbronn					
Germany					
0800 603 1000					
e-mail address of person responsible for this SDS	: pdl-msds_author@agilent.com				

1.4 Emergency telephone number

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

SECTION 2: Hazards identification

2.1 Classification of the su	ubstance or mixture			
Product definition	: Gigapack III XL - 11 packaging extract	Mixture		
	Wild-Type Lambda DNA c1857ind 1 Sam7	Mixture		
	VCS257 E. coli Strain	Mixture		
Classification according Not classified.	to Regulation (EC) No. 1272/	2008 [CLP/GHS]		
Gigapack III XL - 11 packa extract	Gigapack III XL - 11 packaging The product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended.			
Wild-Type Lambda DNA c1857indThe product is not cl1 Sam71272/2008 as amend		lassified as hazardous according to Regulation (EC) ded.		
VCS257 E. coli Strain	The product is not cl 1272/2008 as amen	lassified as hazardous according to Regulation (EC) ded.		
Ingredients of unknown toxicity	: Gigapack III XL - 11 packaging extract VCS257 E. coli Strain	Percentage of the mixture consisting of ingredient(s) of unknown acute inhalation toxicity: 1 - 10% Percentage of the mixture consisting of ingredient(s) of unknown acute inhalation toxicity: 10 - 30%		
Ingredients of unknown ecotoxicity	: Gigapack III XL - 11 packaging extract	Contains 8% of components with unknown hazards to the aquatic environment		
See Section 16 for the full	text of the H statements declar	ed above		

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

Date of issue/Date of revision : 24/04/2024 Date of previous issue : No previous validation Version : 1	Date of issue/Date of revision	: 24/04/2024	Date of previous issue	: No previous validation	Version	:1	1/19
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SECTION 2: Hazards identification

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

2.2 Label elements

2.2 Laber elements			
Signal word	:	Gigapack III XL - 11 packaging extract	No signal word.
		Wild-Type Lambda DNA c1857ind 1 Sam7	No signal word.
		VCS257 E. coli Strain	No signal word.
Hazard statements	:	Gigapack III XL - 11 packaging extract	No known significant effects or critical hazards.
		Wild-Type Lambda DNA c1857ind 1 Sam7	No known significant effects or critical hazards.
		VCS257 E. coli Strain	No known significant effects or critical hazards.
Precautionary statements			
Prevention	:	Gigapack III XL - 11 packaging extract	Not applicable.
		Wild-Type Lambda DNA c1857ind 1 Sam7	Not applicable.
		VCS257 E. coli Strain	Not applicable.
Response	:	Gigapack III XL - 11 packaging extract	Not applicable.
		Wild-Type Lambda DNA c1857ind 1 Sam7	Not applicable.
		VCS257 E. coli Strain	Not applicable.
Storage	:	Gigapack III XL - 11 packaging extract	Not applicable.
		Wild-Type Lambda DNA c1857ind 1 Sam7	Not applicable.
		VCS257 E. coli Strain	Not applicable.
Disposal	:	Gigapack III XL - 11 packaging extract	Not applicable.
		Wild-Type Lambda DNA c1857ind 1 Sam7	Not applicable.
		VCS257 E. coli Strain	Not applicable.
Supplemental label elements	:	Gigapack III XL - 11 packaging extract	Contains 2-mercaptoethanol. May produce an allergic reaction.
		p	Safety data sheet available on request.
		Wild-Type Lambda DNA c1857ind 1 Sam7	Not applicable.
		VCS257 E. coli Strain	Not applicable.
Annex XVII - Restrictions	:	Gigapack III XL - 11	Not applicable.
on the manufacture, placing on the market		packaging extract Wild-Type Lambda DNA	Not applicable.
and use of certain dangerous substances, mixtures and articles		c1857ind 1 Sam7 VCS257 E. coli Strain	Not applicable.
Special packaging require	me	nts	
Tactile warning of		Gigapack III XL - 11	Not applicable.
danger		packaging extract Wild-Type Lambda DNA	Not applicable.
		c1857ind 1 Sam7 VCS257 E. coli Strain	Not applicable.

2.3 Other hazards

SECTION 2: Hazards identification

Product meets the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII	: Gigapack III XL - 11 packaging extract Wild-Type Lambda DNA c1857ind 1 Sam7 VCS257 E. coli Strain	This mixture does not contain any substances that are assessed to be a PBT or a vPvB. This mixture does not contain any substances that are assessed to be a PBT or a vPvB. 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	: Gigapack III XL - 11 packaging extract Wild-Type Lambda DNA c1857ind 1 Sam7 VCS257 E. coli Strain	None known. None known. None known.

SECTION 3: Composition/information on ingredients

3.1 Substances	: Gigapack III XL - 11 packaging extract	Mixture		
	Wild-Type Lambda DNA c1857ind 1 Sam7	Mixture		
	VCS257 E. coli Strain	Mixture		
			0	

Product/ingredient name	Identifiers	%	Classification	Specific Conc. Limits, M-factors and ATEs	Туре
Gigapack III XL - 11 packaging extract					
sucrose	REACH #: Annex IV EC: 200-334-9 CAS: 57-50-1	≤10	Not classified.	-	[2]
2-mercaptoethanol	EC: 200-464-6 CAS: 60-24-2	<0.1	Acute Tox. 3, H301 Acute Tox. 2, H310 Acute Tox. 3, H331 Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1A, H317 Repr. 2, H361f STOT RE 2, H373 (heart, liver) Aquatic Acute 1, H400 Aquatic Chronic 2, H411	ATE [Oral] = 244 mg/kg ATE [Dermal] = 200 mg/kg ATE [Inhalation (vapours)] = 3 mg/l M [Acute] = 1	[1]
VCS257 E. coli Strain					
glycerol	REACH #: Annex V EC: 200-289-5 CAS: 56-81-5	≥10 - ≤25	Not classified.	-	[1]
			See Section 16 for the full text of the H statements declared above.		

There are no additional ingredients present which, within the current knowledge of the supplier, are classified and contribute to the classification of the substance and hence require reporting in this section.

<u>Type</u>

Gigapack III XL - 11 packaging extract

[1] Substance classified with a health or environmental hazard

VCS257 E. coli Strain

[2] Substance with a workplace exposure limit[1] Substance with a workplace exposure limit

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

SECTION 4: First aid measures

4.1 Description of first aid	me	asures	
Eye contact	:	Gigapack III XL - 11 packaging extract	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.
		Wild-Type Lambda DNA c1857ind 1 Sam7	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.
		VCS257 E. coli Strain	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	-	Gigapack III XL - 11 packaging extract	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
		Wild-Type Lambda DNA c1857ind 1 Sam7	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
		VCS257 E. coli Strain	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
Skin contact	:	Gigapack III XL - 11 packaging extract	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
		Wild-Type Lambda DNA c1857ind 1 Sam7	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
		VCS257 E. coli Strain	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
Ingestion	:	Gigapack III XL - 11 packaging extract	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.
		Wild-Type Lambda DNA c1857ind 1 Sam7	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.
		VCS257 E. coli Strain	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	:	Gigapack III XL - 11 packaging extract Wild-Type Lambda DNA c1857ind 1 Sam7 VCS257 E. coli Strain	No action shall be taken involving any personal risk or without suitable training. No action shall be taken involving any personal risk or without suitable training. No action shall be taken involving any personal risk or without suitable training.
			5

4.2 Most important symptoms and effects, both acute and delayed

Potential acute health effects

Eye contact	: Gigapack III XL - 11 packaging extract	No known significant effects or critical hazards.
	Wild-Type Lambda DNA c1857ind 1 Sam7	No known significant effects or critical hazards.
	VCS257 E. coli Strain	No known significant effects or critical hazards.

SECTION 4: First aid measures

Inhalation	: Gigapack III XL - 11 No known significant effects or critical hazards.
malation	packaging extract
	Wild-Type Lambda DNA No known significant effects or critical hazards. c1857ind 1 Sam7
	VCS257 E. coli Strain No known significant effects or critical hazards.
Skin contact	: Gigapack III XL - 11 No known significant effects or critical hazards. packaging extract
	Wild-Type Lambda DNA No known significant effects or critical hazards. c1857ind 1 Sam7
	VCS257 E. coli Strain No known significant effects or critical hazards.
Ingestion	: Gigapack III XL - 11 No known significant effects or critical hazards. packaging extract
	Wild-Type Lambda DNA No known significant effects or critical hazards. c1857ind 1 Sam7
	VCS257 E. coli Strain No known significant effects or critical hazards.
Over-exposure signs/sy	<u>/mptoms</u>
Eye contact	: Gigapack III XL - 11 No specific data. packaging extract
	Wild-Type Lambda DNA No specific data. c1857ind 1 Sam7
	VCS257 E. coli Strain No specific data.
Inhalation	: Gigapack III XL - 11 No specific data. packaging extract
	Wild-Type Lambda DNA No specific data. c1857ind 1 Sam7
	VCS257 E. coli Strain No specific data.
Skin contact	: Gigapack III XL - 11 No specific data. packaging extract
	Wild-Type Lambda DNA No specific data. c1857ind 1 Sam7
	VCS257 E. coli Strain No specific data.
Ingestion	: Gigapack III XL - 11 No specific data.
	packaging extract Wild-Type Lambda DNA No specific data. c1857ind 1 Sam7
	VCS257 E. coli Strain No specific data.
4.3 Indication of any imn	nediate medical attention and special treatment needed
Notes to physician	: Gigapack III XL - 11 packaging extract Wild-Type Lambda DNA c1857ind 1 Sam7 VCS257 E. coli Strain Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled
Specific treatments	: Gigapack III XL - 11 No specific treatment.

Specific treatments	: Gigapack III XL - 11 packaging extract	No specific treatment.
	1 0 0	No specific treatment.
	VCS257 E. coli Strain	No specific treatment.

SECTION 5: Firefighting measures

5.1 Extinguishing media		
Suitable extinguishing media	: Gigapack III XL - 11 packaging extract	Use an extinguishing agent suitable for the surrounding fire.
	Wild-Type Lambda DNA c1857ind 1 Sam7	Use an extinguishing agent suitable for the surrounding fire.
	VCS257 E. coli Strain	Use an extinguishing agent suitable for the surrounding fire.

SECTION 5: Firefighting measures

Unsuitable extinguishing media	1	Gigapack III XL - 11 packaging extract	None known.
			None known.
		VCS257 E. coli Strain	None known.

5.2 Special hazards arising from the substance or mixture

5.2 Special hazards arising	om the substance or mixture	
Hazards from the substance or mixture	packaging extractcontainer may burst.Wild-Type Lambda DNAIn a fire or if heated, a pc1857ind 1 Sam7container may burst.	pressure increase will occur and the pressure will occur and the pressure will occur
Hazardous combustion products	-	s may include the following materials:
	c1857ind 1 Sam7 VCS257 E. coli Strain Decomposition products carbon dioxide carbon monoxide halogenated compound metal oxide/oxides	s may include the following materials: s
5.3 Advice for firefighters		
Special precautions for fire-fighters	packaging extractvicinity of the incident if taken involving any persWild-Type Lambda DNA c1857ind 1 Sam7Promptly isolate the sce vicinity of the incident if taken involving any persVCS257 E. coli StrainPromptly isolate the sce vicinity of the incident if taken involving any pers	ene by removing all persons from the there is a fire. No action shall be sonal risk or without suitable training. ene by removing all persons from the there is a fire. No action shall be sonal risk or without suitable training. ene by removing all persons from the there is a fire. No action shall be sonal risk or without suitable training.
Special protective equipment for fire- fighters	packaging extract and self-contained breat face-piece operated in p fire-fighters (including h conforming to European basic level of protection Wild-Type Lambda DNA c1857ind 1 Sam7 Fire-fighters should weat face-piece operated in p fire-fighters should weat and self-contained breat face-piece operated in p fire-fighters (including h	ar appropriate protective equipment thing apparatus (SCBA) with a full positive pressure mode. Clothing for elmets, protective boots and gloves) n standard EN 469 will provide a
	VCS257 E. coli Strain and self-contained brea face-piece operated in p fire-fighters (including h	ar appropriate protective equipment thing apparatus (SCBA) with a full positive pressure mode. Clothing for elmets, protective boots and gloves) n standard EN 469 will provide a

SECTION 6: Accidental release measures

6.1 Personal precautions, p			nergency procedures
For non-emergency personnel		Gigapack III XL - 11 packaging extract	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
		Wild-Type Lambda DNA c1857ind 1 Sam7	appropriate personal protective equipment. No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering.
		VCS257 E. coli Strain	Do not touch or walk through spilt material. Put on appropriate personal protective equipment. No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
For emergency responders	:	Gigapack III XL - 11 packaging extract	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-
		Wild-Type Lambda DNA c1857ind 1 Sam7	emergency personnel". If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non- emergency personnel".
		VCS257 E. coli Strain	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	:	Gigapack III XL - 11 packaging extract	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).
		Wild-Type Lambda DNA c1857ind 1 Sam7	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).
		VCS257 E. coli Strain	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	oro	containment and cleaning	u u p
Methods for cleaning up		Gigapack III XL - 11 packaging extract	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.
		Wild-Type Lambda DNA c1857ind 1 Sam7	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.
		VCS257 E. coli Strain	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

SECTION 6: Accidental release measures

6.4 Reference to other	: See Section 1 for emergency contact information.
sections	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	: Gigapack III XL - 11 packaging extract Wild-Type Lambda DNA c1857ind 1 Sam7 VCS257 E. coli Strain	Put on appropriate personal protective equipment (see Section 8). Put on appropriate personal protective equipment (see Section 8). Put on appropriate personal protective equipment (see Section 8).
Advice on general occupational hygiene	: Gigapack III XL - 11 packaging extract	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.
	Wild-Type Lambda DNA c1857ind 1 Sam7	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.
	VCS257 E. coli Strain	Potentially biohazardous material. 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	Gigapack III XL - 11 packaging extract	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.
	Wild-Type Lambda DNA c1857ind 1 Sam7	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.
	VCS257 E. coli Strain	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

SECTION 7: Handling and storage

before handling or use.

7.3 Specific end use(s)		
Recommendations	: Gigapack III XL - 11 packaging extract	Industrial applications, Professional applications.
	Wild-Type Lambda DNA c1857ind 1 Sam7	Industrial applications, Professional applications.
	VCS257 E. coli Strain	Industrial applications, Professional applications.
Industrial sector specific solutions	: Gigapack III XL - 11 packaging extract	Not available.
	Wild-Type Lambda DNA c1857ind 1 Sam7	Not available.
	VCS257 E. coli Strain	Not available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

Product/ingredient name	Exposure limit values		
Gigapack III XL - 11 packaging extract Sucrose	NAOSH (Ireland, 5/2021). Notes: Advisory Occupational Exposure Limit Values (OELVs) OELV: 10 mg/m ³ 8 hours. OELV: 20 mg/m ³ 15 minutes.		
VCS257 E. coli Strain Glycerol	NAOSH (Ireland, 5/2021). Notes: Advisory Occupational Exposure Limit Values (OELVs) OELV: 10 mg/m³ 8 hours. Form: mist		

Biological exposure indices

No exposure indices known.

Recommended monitoring procedures : 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

Product/ingredient name	Туре	Exposure	Value	Population	Effects
Gigapack III XL - 11 packaging extract					
2-Mercaptoethanol	DNEL	Short term Oral	0.025 mg/ kg bw/day	General population	Systemic
	DNEL	Long term Oral	0.025 mg/ kg bw/day	General population	Systemic
	DNEL	Short term Dermal	0.05 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Dermal	0.05 mg/kg bw/day	Workers	Systemic
	DNEL	Short term Inhalation	0.17 mg/m ³	Workers	Systemic
	DNEL	Long term Inhalation	0.17 mg/m ³	Workers	Systemic

PNECs

SECTION 8: Exposure controls/personal protection

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 measu	ure	<u>S</u>
Hygiene measures	:	Handle as biohazard material (Biosafety level 1). 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	1	Gigapack III XL - 11 packaging extract	Liquid.
		Wild-Type Lambda DNA c1857ind 1 Sam7	Liquid.
		VCS257 E. coli Strain	Liquid.
Colour	÷	Gigapack III XL - 11 packaging extract	Not available.
		Wild-Type Lambda DNA c1857ind 1 Sam7	Not available.
		VCS257 E. coli Strain	Not available.
Odour	1	Gigapack III XL - 11 packaging extract	Not available.
		Wild-Type Lambda DNA c1857ind 1 Sam7	Not available.
		VCS257 E. coli Strain	Not available.

SECTION 9: Physical and chemical properties

SECTION 9: Physica						
Odour threshold	: Gigapack III XL - 11	Not available) .			
	packaging extract Wild-Type Lambda I c1857ind 1 Sam7	DNA Not available) .			
	VCS257 E. coli Strai	n Not available) .			
Melting point/freezing	: Gigapack III XL - 11	Not available) .			
point	packaging extract Wild-Type Lambda I c1857ind 1 Sam7	DNA 0°C				
	VCS257 E. coli Strai	n Not available) .			
Initial boiling point and	: Gigapack III XL - 11	Not available.				
boiling range	packaging extract Wild-Type Lambda I c1857ind 1 Sam7	DNA 100°C				
	VCS257 E. coli Strai	n Not available.				
Flammability	: Gigapack III XL - 11	Not applicable	Э.			
	packaging extract Wild-Type Lambda I c1857ind 1 Sam7	DNA Not applicable	Ð.			
	VCS257 E. coli Strai	n Not applicable	э.			
Upper/lower flammability	01	Not available.				
or explosive limits	packaging extract Wild-Type Lambda I c1857ind 1 Sam7	DNA Not available.				
	VCS257 E. coli Strai	n Not available.				
Flash point	:			Closed cup	(Open cup
	Ingredient name		°C	Method	°C	Method
	VCS257 E. coli Str	ain				
	alvcerol		-	_	177	-
Auto-ignition	glycerol		-	- °C	177 Method	-
Auto-ignition temperature	: Ingredient name	ain	-	- °C	177 Method	-
-	: Ingredient name VCS257 E. coli Str	ain	-			-
temperature	: Ingredient name VCS257 E. coli Str glycerol		-	- °C 370		-
temperature Decomposition	 Ingredient name VCS257 E. coli Str glycerol Gigapack III XL - 11 	ain Not available.	-			-
temperature	 Ingredient name VCS257 E. coli Str glycerol Gigapack III XL - 11 packaging extract Wild-Type Lambda I c1857ind 1 Sam7 	Not available. DNA Not available.	1			
temperature Decomposition	 Ingredient name VCS257 E. coli Str glycerol Gigapack III XL - 11 packaging extract Wild-Type Lambda I c1857ind 1 Sam7 VCS257 E. coli Strai 	Not available. DNA Not available.				
temperature Decomposition	 Ingredient name VCS257 E. coli Str glycerol Gigapack III XL - 11 packaging extract Wild-Type Lambda I c1857ind 1 Sam7 VCS257 E. coli Strai Gigapack III XL - 11 	Not available. DNA Not available.				
temperature Decomposition temperature	 Ingredient name VCS257 E. coli Str glycerol Gigapack III XL - 11 packaging extract Wild-Type Lambda I c1857ind 1 Sam7 VCS257 E. coli Strai 	Not available. DNA Not available. n Not available. 8				
temperature Decomposition temperature	 Ingredient name VCS257 E. coli Str glycerol Gigapack III XL - 11 packaging extract Wild-Type Lambda I c1857ind 1 Sam7 VCS257 E. coli Strai Gigapack III XL - 11 packaging extract Wild-Type Lambda I c1857ind 1 Sam7 	Not available. DNA Not available. n Not available. 8 DNA 7				
temperature Decomposition temperature pH	 Ingredient name VCS257 E. coli Str glycerol Gigapack III XL - 11 packaging extract Wild-Type Lambda I c1857ind 1 Sam7 VCS257 E. coli Strai Gigapack III XL - 11 packaging extract Wild-Type Lambda I c1857ind 1 Sam7 VCS257 E. coli Strai 	Not available. DNA Not available. n Not available. 8 DNA 7 n 7				
temperature Decomposition temperature	 Ingredient name VCS257 E. coli Str glycerol Gigapack III XL - 11 packaging extract Wild-Type Lambda I c1857ind 1 Sam7 VCS257 E. coli Strai Gigapack III XL - 11 packaging extract Wild-Type Lambda I c1857ind 1 Sam7 	Not available. DNA Not available. n Not available. 8 DNA 7				
temperature Decomposition temperature pH	 Ingredient name VCS257 E. coli Str glycerol Gigapack III XL - 11 packaging extract Wild-Type Lambda I c1857ind 1 Sam7 VCS257 E. coli Strai Gigapack III XL - 11 packaging extract Wild-Type Lambda I c1857ind 1 Sam7 VCS257 E. coli Strai Gigapack III XL - 11 packaging extract Wild-Type Lambda I 	Not available. DNA Not available. n Not available. 8 DNA 7 n 7 Not available.				
temperature Decomposition temperature pH	 Ingredient name VCS257 E. coli Str glycerol Gigapack III XL - 11 packaging extract Wild-Type Lambda I c1857ind 1 Sam7 VCS257 E. coli Strai Gigapack III XL - 11 packaging extract Wild-Type Lambda I c1857ind 1 Sam7 VCS257 E. coli Strai Gigapack III XL - 11 packaging extract Wild-Type Lambda I c1857ind 1 Sam7 	Not available. DNA Not available. Not available. 8 DNA 7 Not available. DNA Not available.				
temperature Decomposition temperature pH	 Ingredient name VCS257 E. coli Str glycerol Gigapack III XL - 11 packaging extract Wild-Type Lambda I c1857ind 1 Sam7 VCS257 E. coli Strai Gigapack III XL - 11 packaging extract Wild-Type Lambda I c1857ind 1 Sam7 VCS257 E. coli Strai Gigapack III XL - 11 packaging extract Wild-Type Lambda I 	Not available. DNA Not available. Not available. 8 DNA 7 Not available. DNA Not available.				
temperature Decomposition temperature pH Viscosity	 Ingredient name VCS257 E. coli Str glycerol Gigapack III XL - 11 packaging extract Wild-Type Lambda I c1857ind 1 Sam7 VCS257 E. coli Strai Gigapack III XL - 11 packaging extract Wild-Type Lambda I c1857ind 1 Sam7 VCS257 E. coli Strai Gigapack III XL - 11 packaging extract Wild-Type Lambda I c1857ind 1 Sam7 VCS257 E. coli Strai Gigapack III XL - 11 packaging extract Wild-Type Lambda I c1857ind 1 Sam7 VCS257 E. coli Strai 	Not available. DNA Not available. Not available. 8 DNA 7 Not available. DNA Not available. NNA Not available.		370		
temperature Decomposition temperature pH Viscosity	 Ingredient name VCS257 E. coli Str glycerol Gigapack III XL - 11 packaging extract Wild-Type Lambda I c1857ind 1 Sam7 VCS257 E. coli Strait Gigapack III XL - 11 packaging extract Wild-Type Lambda I c1857ind 1 Sam7 VCS257 E. coli Strait Gigapack III XL - 11 packaging extract Wild-Type Lambda I c1857ind 1 Sam7 VCS257 E. coli Strait Gigapack III XL - 11 packaging extract Wild-Type Lambda I c1857ind 1 Sam7 VCS257 E. coli Strait Media Gigapack III XL - 11 water 	Not available. DNA Not available. Not available. 8 DNA 7 Not available. DNA Not available. NA Not available.	:t	370		
temperature Decomposition temperature pH Viscosity	 Ingredient name VCS257 E. coli Str glycerol Gigapack III XL - 11 packaging extract Wild-Type Lambda I c1857ind 1 Sam7 VCS257 E. coli Strai Gigapack III XL - 11 packaging extract Wild-Type Lambda I c1857ind 1 Sam7 VCS257 E. coli Strai Gigapack III XL - 11 packaging extract Wild-Type Lambda I c1857ind 1 Sam7 VCS257 E. coli Strai Gigapack III XL - 11 packaging extract Wild-Type Lambda I c1857ind 1 Sam7 VCS257 E. coli Strai Media Gigapack III XL - 11 water Wild-Type Lambda 	Not available. DNA Not available. Not available. 8 DNA 7 Not available. DNA Not available. NA Not available.	:t	370		
temperature Decomposition temperature pH Viscosity	 Ingredient name VCS257 E. coli Str glycerol Gigapack III XL - 11 packaging extract Wild-Type Lambda I c1857ind 1 Sam7 VCS257 E. coli Strait Gigapack III XL - 11 packaging extract Wild-Type Lambda I c1857ind 1 Sam7 VCS257 E. coli Strait Gigapack III XL - 11 packaging extract Wild-Type Lambda I c1857ind 1 Sam7 VCS257 E. coli Strait Gigapack III XL - 11 packaging extract Wild-Type Lambda I c1857ind 1 Sam7 VCS257 E. coli Strait Media Gigapack III XL - 11 water 	Not available. DNA Not available. Not available. 8 DNA 7 Not available. DNA Not available. Not available. I packaging extrac DNA c1857ind 1 S	:t	370 Result		

SECTION 9: Physical and chemical properties

Partition coefficient: n- octanol/water	÷	Gigapack III XL - 11 packaging extract		Not	applicabl	e.			
		Wild-Type Lambda DI c1857ind 1 Sam7	NA	Not	applicabl	e.			
		/CS257 E. coli Strain Not applicable.							
Vapour pressure	1		Va	pour	Pressur	e at 20°C	Vap	oour press	sure at 50°C
		Ingredient name	mm	Hg	kPa	Method	mm Hg	kPa	Method
		Gigapack III XL - 11 packaging extract							
		water	17.5	5	2.3	-	92.258	12.3	-
		Wild-Type Lambda DNA c1857ind 1 Sam7							
		water	17.5	5	2.3	-	92.258	12.3	-
		VCS257 E. coli Strain							
		water	17.5	5	2.3	-	92.258	12.3	-
		glycerol	0.00	0075	0.00001	-	0.0025	0.00033	-
Evaporation rate	:	Gigapack III XL - 11 packaging extract Wild-Type Lambda DI c1857ind 1 Sam7 VCS257 E. coli Strain		Not	available available available				
Relative density	:	Gigapack III XL - 11 packaging extract Wild-Type Lambda DI c1857ind 1 Sam7 VCS257 E. coli Strain		Not	available available available				
Vapour density	:	Gigapack III XL - 11 packaging extract Wild-Type Lambda DI c1857ind 1 Sam7 VCS257 E. coli Strain		Not	available available available				
Explosive properties	:	Gigapack III XL - 11 packaging extract Wild-Type Lambda DI c1857ind 1 Sam7	NA		available available				
		VCS257 E. coli Strain		Not	available				
Oxidising properties	:	Gigapack III XL - 11 packaging extract Wild-Type Lambda DI	NA		available				
Deutlele else statistic		c1857ind 1 Sam7 VCS257 E. coli Strain			available				
Particle characteristics Median particle size	:	Gigapack III XL - 11		Not	applicable	e.			
·		packaging extract Wild-Type Lambda DI c1857ind 1 Sam7	NA		applicabl				
		VCS257 E. coli Strain		Not	applicabl	e.			

SECTION 9: Physical and chemical properties

9.2 Other information

No additional information.

SECTION 10: Stabi	SECTION 10: Stability and reactivity					
10.1 Reactivity	: Gigapack III XL - 11 packaging extract Wild-Type Lambda DNA c1857ind 1 Sam7 VCS257 E. coli Strain No specific test data related to reactivity available for this product or its ingredients. No specific test data related to reactivity available for this product or its ingredients. No specific test data related to reactivity available for this product or its ingredients.					
10.2 Chemical stability	: Gigapack III XL - 11 The product is stable. packaging extract Wild-Type Lambda DNA The product is stable. c1857ind 1 Sam7 VCS257 E. coli Strain The product is stable.					
10.3 Possibility of hazardous reactions	 Gigapack III XL - 11 packaging extract Wild-Type Lambda DNA c1857ind 1 Sam7 VCS257 E. coli Strain Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. 					
10.4 Conditions to avoid	: Gigapack III XL - 11 No specific data. packaging extract Wild-Type Lambda DNA No specific data. c1857ind 1 Sam7 VCS257 E. coli Strain No specific data.					
10.5 Incompatible materials	 Gigapack III XL - 11 May react or be incompatible with oxidising materials. Wild-Type Lambda DNA c1857ind 1 Sam7 VCS257 E. coli Strain May react or be incompatible with oxidising materials. May react or be incompatible with oxidising materials. 					
10.6 Hazardous decomposition products	: Gigapack III XL - 11 packaging extract Wild-Type Lambda DNA c1857ind 1 Sam7 VCS257 E. coli Strain Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced.					

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Gigapack III XL - 11 packaging extract				
2-Mercaptoethanol	LD50 Oral	Rat	244 mg/kg	-

Acute toxicity estimates

Product/ingredient name	Oral (mg/ kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapours) (mg/l)	Inhalation (dusts and mists) (mg/l)
Gigapack III XL - 11 packaging extract 2-Mercaptoethanol	244	200	N/A	3	N/A
ate of issue/Date of revision : 24/04/2024 Date of previo	ous issue	: No previous	validation	Version :1	13/19

SECTION 11: Toxicological information

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Gigapack III XL - 11 packaging extract					
2-Mercaptoethanol	Eyes - Severe irritant	Rabbit	-	2 mg	-
<u>Sensitiser</u>					
Skin	Gigapack III packaging extra	ct : May cause s	sensitisatio	on by skin conta	act.
<u>Mutagenicity</u>					
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)

Product/ingredient name	Category	Route of exposure	Target organs
Gigapack III XL - 11 packaging extract 2-Mercaptoethanol	Category 2	-	heart, liver

Aspiration hazard

Not available.

Information on likely routes of exposure	: Gigapack III XL - 11 packaging extract	Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.
	Wild-Type Lambda DNA c1857ind 1 Sam7	Not available.
	VCS257 E. coli Strain	Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.
Potential acute health effe	ects	
Inhalation	: Gigapack III XL - 11 packaging extract	No known significant effects or critical hazards.
	Wild-Type Lambda DNA c1857ind 1 Sam7	No known significant effects or critical hazards.
	VCS257 E. coli Strain	No known significant effects or critical hazards.
Ingestion	: Gigapack III XL - 11 packaging extract	No known significant effects or critical hazards.
	Wild-Type Lambda DNA c1857ind 1 Sam7	No known significant effects or critical hazards.
	VCS257 E. coli Strain	No known significant effects or critical hazards.
Skin contact	: Gigapack III XL - 11 packaging extract	No known significant effects or critical hazards.
	Wild-Type Lambda DNA c1857ind 1 Sam7	No known significant effects or critical hazards.
	VCS257 E. coli Strain	No known significant effects or critical hazards.
Eye contact	: Gigapack III XL - 11 packaging extract	No known significant effects or critical hazards.
	Wild-Type Lambda DNA c1857ind 1 Sam7	No known significant effects or critical hazards.
	VCS257 E. coli Strain	No known significant effects or critical hazards.
Symptoms related to the	physical, chemical and toxic	cological characteristics

SECTION 11: Toxicological information

SECTION II. TOXIC	,010	ogical information	
Inhalation	- :	Gigapack III XL - 11	No specific data.
		packaging extract Wild-Type Lambda DNA c1857ind 1 Sam7	No specific data.
		VCS257 E. coli Strain	No specific data.
Ingestion	- 1	Gigapack III XL - 11 packaging extract	No specific data.
		Wild-Type Lambda DNA c1857ind 1 Sam7	No specific data.
		VCS257 E. coli Strain	No specific data.
Skin contact	:	Gigapack III XL - 11 packaging extract	No specific data.
		Wild-Type Lambda DNA c1857ind 1 Sam7	No specific data.
		VCS257 E. coli Strain	No specific data.
Eye contact	1	Gigapack III XL - 11 packaging extract	No specific data.
		Wild-Type Lambda DNA c1857ind 1 Sam7	No specific data.
		VCS257 E. coli Strain	No specific data.
Delayed and immediate e	effec	<u>ts as well as chronic effe</u>	cts from short and long-term exposure
<u>Short term exposure</u>			
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	effe	<u>cts</u>	
Conclusion/Summary	:	Not available.	
General	:	Gigapack III XL - 11	No known significant effects or critical hazards.
		packaging extract Wild-Type Lambda DNA c1857ind 1 Sam7	No known significant effects or critical hazards.
		VCS257 E. coli Strain	No known significant effects or critical hazards.
Carcinogenicity	:	Gigapack III XL - 11 packaging extract	No known significant effects or critical hazards.
		Wild-Type Lambda DNA c1857ind 1 Sam7	No known significant effects or critical hazards.
		VCS257 E. coli Strain	No known significant effects or critical hazards.
Mutagenicity	:	Gigapack III XL - 11	No known significant effects or critical hazards.
		packaging extract Wild-Type Lambda DNA c1857ind 1 Sam7	No known significant effects or critical hazards.
		VCS257 E. coli Strain	No known significant effects or critical hazards.
Reproductive toxicity	:	Gigapack III XL - 11 packaging extract	No known significant effects or critical hazards.
		Wild-Type Lambda DNA c1857ind 1 Sam7	No known significant effects or critical hazards.
		VCS257 E. coli Strain	No known significant effects or critical hazards.

11.2 Information on other hazards 11.2.1 Endocrine disrupting properties Not available.

SECTION 11: Toxicological information

11.2.2 Other information

Gigapack III XL - 11 packaging Adverse symptoms may include the following: May cause skin sensitisation. extract

SECTION 12: Ecological information

12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
Gigapack III XL - 11 packaging extract			
2-Mercaptoethanol	Acute EC50 0.4 mg/l Fresh water	Daphnia	48 hours

12.2 Persistence and degradability

Product/ingredient name	Test	Result	Result			Inoculum
Gigapack III XL - 11 packaging extract 2-Mercaptoethanol	OECD 310 Ready Biodegradability - CO2 in Sealed Vessels (Headspace Test)	69 % - Not readily - 60 days		20 mg/l		-
Product/ingredient name	Aquatic half-life		Photolysis		Biodeg	radability
Gigapack III XL - 11 packaging extract 2-Mercaptoethanol	-	-			Not rea	dily

12.3 Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
Gigapack III XL - 11 packaging extract			
2-Mercaptoethanol	-0.056	-	Low

12.4 Mobility in soil

Soil/water partition coefficient (Koc)	: 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 Endocrine disrupting properties

Not available.

12.7 Other adverse effects

No known significant effects or critical hazards.

SECTION 13: Disposal considerations

13.1 Waste treatment meth	ods
Product	
Methods of disposal	: The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.
Hazardous waste	: Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 2008/98/EC.
Packaging	
Methods of disposal	: The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.
Special precautions	: This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

	ADR/RID	IMDG	ΙΑΤΑ
14.1 UN number or ID 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 : Not available. according to IMO instruments

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture <u>EU Regulation (EC) No. 1907/2006 (REACH)</u>

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.

SECTION 15: Regulatory information

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

No listed substance

Label :	Gigapack III XL - 11 packaging extract	Not applicable.
	Wild-Type Lambda DNA c1857ind 1 Sam7	Not applicable.
	VCS257 E. coli Strain	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	: At least one component is not listed in DSL but all such components are listed in	
Ganada	NDSL.	
China	: All components are listed or exempted.	
Eurasian Economic Union	: Russian Federation inventory: All components are listed or exempted.	
Japan	: Japan inventory (CSCL): Not determined. Japan inventory (ISHL): Not determined.	
New Zealand	All components are listed or exempted.	
Philippines	: Not determined.	
Republic of Korea	: Not determined.	
Taiwan	: All components are listed or exempted.	
Thailand	: Not determined.	
Turkey	: Not determined.	
United States	: All components are active or exempted.	
Viet Nam	: All components are listed or exempted.	
15.2 Chemical safety assessment	: This product contains substances for which Chemical Safety Assessments might still be required.	
Date of issue/Date of revision	: 24/04/2024 Date of previous issue : No previous validation Version : 1 18/19	

SECTION 16: Other information

Indicates information that has changed from previously issued version.

Abbreviations and	: ATE = Acute Toxicity Estimate
acronyms	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

Gigapack III XL - 11 packaging extract	
H301	Toxic if swallowed.
H310	Fatal in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H331	Toxic if inhaled.
H361f	Suspected of damaging fertility.
H373	May cause damage to organs through prolonged or repeated
	exposure.
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.

Full text of classifications [CLP/GHS]

Gigapack III XL - 11 packaging extract	
Acute Tox. 2	ACUTE TOXICITY - Category 2
Acute Tox. 3	ACUTE TOXICITY - Category 3
Aquatic Acute 1	SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1
Aquatic Chronic 2	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 2
Eye Dam. 1	SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1
Repr. 2	REPRODUCTIVE TOXICITY - Category 2
Skin Irrit. 2	SKIN CORROSION/IRRITATION - Category 2
Skin Sens. 1A	SKIN SENSITISATION - Category 1A
STOT RE 2	SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE
	- Category 2

Date of issue/ Date of : 24/04/2024 revision Date of previous issue

: No previous validation

: 1

Version

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