

SAFETY DATA SHEET

Transpack Packaging Extract, Part Number 200223

Section 1. Identification

Product identifier	: Transpack Packaging Extract, Part Number 200223		
Part No. (Chemical Kit)	: 200223		
Part No.	: Transpack Red Tube	200220-42	
	: Transpack Blue Tube	200220-41	
	: SCS-8 E. coli Strain	200288-81	
	: Big Blue Control Genomic DNA	200220-43	

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

Analytical reagent.

Transpack Red Tube	50 x 0.01 ml
Transpack Blue Tube	10 x 0.07 ml
SCS-8 E. coli Strain	1 ml
Big Blue Control Genomic DNA	0.02 ml

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

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

Section 2. Hazard(s) identification

Classification of the substance or mixture

Not classified.

GHS label elements

Signal word	: Transpack Red Tube	No signal word.
	: Transpack Blue Tube	No signal word.
	: SCS-8 E. coli Strain	No signal word.
	: Big Blue Control Genomic DNA	No signal word.
Hazard statements	: Transpack Red Tube	No known significant effects or critical hazards.
	: Transpack Blue Tube	No known significant effects or critical hazards.
	: SCS-8 E. coli Strain	No known significant effects or critical hazards.
	: Big Blue Control Genomic DNA	No known significant effects or critical hazards.
Precautionary statements		
Prevention	: Transpack Red Tube	Not applicable.
	: Transpack Blue Tube	Not applicable.
	: SCS-8 E. coli Strain	Not applicable.
	: Big Blue Control Genomic DNA	Not applicable.
Response	: Transpack Red Tube	Not applicable.
	: Transpack Blue Tube	Not applicable.
	: SCS-8 E. coli Strain	Not applicable.
	: Big Blue Control Genomic DNA	Not applicable.

Section 2. Hazard(s) identification

Storage	:	Transpack Red Tube Transpack Blue Tube SCS-8 E. coli Strain Big Blue Control Genomic DNA	Not applicable. Not applicable. Not applicable. Not applicable.
Disposal	:	Transpack Red Tube Transpack Blue Tube SCS-8 E. coli Strain Big Blue Control Genomic DNA	Not applicable. Not applicable. Not applicable. Not applicable.
Supplemental label elements	:	Transpack Red Tube Transpack Blue Tube SCS-8 E. coli Strain Big Blue Control Genomic DNA	Not applicable. Not applicable. Not applicable. Not applicable.
Other hazards which do not result in classification	:	Transpack Red Tube Transpack Blue Tube SCS-8 E. coli Strain Big Blue Control Genomic DNA	None known. None known. None known. None known.

Section 3. Composition and ingredient information

Substance/mixture	:	Transpack Red Tube Transpack Blue Tube SCS-8 E. coli Strain Big Blue Control Genomic DNA	Mixture Mixture Mixture Mixture
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CAS number/other identifiers

Ingredient name	% (w/w)	CAS number
Transpack Red Tube Sucrose	≤10	57-50-1
Transpack Blue Tube Sucrose	≤10	57-50-1
SCS-8 E. coli Strain Glycerol	≥10 - ≤30	56-81-5

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

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

Section 4. First aid measures

Description of necessary first aid measures

Eye contact	:	Transpack Red Tube	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.
		Transpack Blue Tube	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.
		SCS-8 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.

Section 4. First aid measures

	Big Blue Control Genomic DNA	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	: Transpack Red Tube	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	Transpack Blue Tube	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	SCS-8 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	Big Blue Control Genomic DNA	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	: Transpack Red Tube	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	Transpack Blue Tube	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	SCS-8 E. coli Strain	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
Ingestion	Big Blue Control Genomic DNA	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	: Transpack Red Tube	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
	Transpack Blue Tube	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
	SCS-8 E. coli Strain	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
	Big Blue Control Genomic DNA	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Section 4. First aid measures

Eye contact	: Transpack Red Tube Transpack Blue Tube SCS-8 E. coli Strain Big Blue Control Genomic DNA	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
Inhalation	: Transpack Red Tube Transpack Blue Tube SCS-8 E. coli Strain Big Blue Control Genomic DNA	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
Skin contact	: Transpack Red Tube Transpack Blue Tube SCS-8 E. coli Strain Big Blue Control Genomic DNA	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
Ingestion	: Transpack Red Tube Transpack Blue Tube SCS-8 E. coli Strain Big Blue Control Genomic DNA	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact	: Transpack Red Tube Transpack Blue Tube SCS-8 E. coli Strain Big Blue Control Genomic DNA	No specific data. No specific data. No specific data. No specific data.
Inhalation	: Transpack Red Tube Transpack Blue Tube SCS-8 E. coli Strain Big Blue Control Genomic DNA	No specific data. No specific data. No specific data. No specific data.
Skin contact	: Transpack Red Tube Transpack Blue Tube SCS-8 E. coli Strain Big Blue Control Genomic DNA	No specific data. No specific data. No specific data. No specific data.
Ingestion	: Transpack Red Tube Transpack Blue Tube SCS-8 E. coli Strain Big Blue Control Genomic DNA	No specific data. No specific data. No specific data. No specific data.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician	: Transpack Red Tube Transpack Blue Tube SCS-8 E. coli Strain Big Blue Control Genomic DNA	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. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments	: Transpack Red Tube Transpack Blue Tube SCS-8 E. coli Strain Big Blue Control Genomic DNA	No specific treatment. No specific treatment. No specific treatment. No specific treatment.

Section 4. First aid measures

Protection of first-aiders	:	Transpack Red Tube	No action shall be taken involving any personal risk or without suitable training.
		Transpack Blue Tube	No action shall be taken involving any personal risk or without suitable training.
		SCS-8 E. coli Strain	No action shall be taken involving any personal risk or without suitable training.
		Big Blue Control Genomic DNA	No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

Section 5. Firefighting measures

Extinguishing media

Suitable extinguishing media	:	Transpack Red Tube	Use an extinguishing agent suitable for the surrounding fire.
		Transpack Blue Tube	Use an extinguishing agent suitable for the surrounding fire.
		SCS-8 E. coli Strain	Use an extinguishing agent suitable for the surrounding fire.
		Big Blue Control Genomic DNA	Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media	:	Transpack Red Tube	None known.
		Transpack Blue Tube	None known.
		SCS-8 E. coli Strain	None known.
		Big Blue Control Genomic DNA	None known.

Specific hazards arising from the chemical

:	Transpack Red Tube	In a fire or if heated, a pressure increase will occur and the container may burst.
	Transpack Blue Tube	In a fire or if heated, a pressure increase will occur and the container may burst.
	SCS-8 E. coli Strain	In a fire or if heated, a pressure increase will occur and the container may burst.
	Big Blue Control Genomic DNA	In a fire or if heated, a pressure increase will occur and the container may burst.

Hazardous thermal decomposition products

:	Transpack Red Tube	Decomposition products may include the following materials: carbon dioxide carbon monoxide
	Transpack Blue Tube	Decomposition products may include the following materials: carbon dioxide carbon monoxide
	SCS-8 E. coli Strain	Decomposition products may include the following materials: carbon dioxide carbon monoxide halogenated compounds metal oxide/oxides
	Big Blue Control Genomic DNA	No specific data.

Special protective actions for fire-fighters

:	Transpack Red Tube	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.
	Transpack Blue Tube	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

	SCS-8 E. coli Strain	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.
	Big Blue Control Genomic DNA	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
Special protective equipment for fire-fighters	: Transpack Red Tube	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
	Transpack Blue Tube	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
	SCS-8 E. coli Strain	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
	Big Blue Control Genomic DNA	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel	: Transpack Red Tube	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.
	Transpack Blue Tube	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.
	SCS-8 E. coli Strain	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.
	Big Blue Control Genomic DNA	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	: Transpack Red Tube	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".
	Transpack Blue Tube	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".
	SCS-8 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

Section 6. Accidental release measures

Big Blue Control Genomic DNA

information in "For non-emergency personnel". If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Environmental precautions : Transpack Red Tube

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).

Transpack Blue Tube

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).

SCS-8 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).

Big Blue Control Genomic DNA

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

Methods and material for containment and cleaning up

Methods for cleaning up : Transpack Red Tube

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.

Transpack Blue Tube

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.

SCS-8 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.

Big Blue Control Genomic DNA

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

Section 7. Handling and storage

Precautions for safe handling

Section 7. Handling and storage

Protective measures	: Transpack Red Tube	Put on appropriate personal protective equipment (see Section 8).
	Transpack Blue Tube	Put on appropriate personal protective equipment (see Section 8).
	SCS-8 E. coli Strain	Put on appropriate personal protective equipment (see Section 8).
	Big Blue Control Genomic DNA	Put on appropriate personal protective equipment (see Section 8).
Advice on general occupational hygiene	: Transpack Red Tube	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.
	Transpack Blue Tube	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.
	SCS-8 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.
	Big Blue Control Genomic DNA	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
Conditions for safe storage, including any incompatibilities	: Transpack Red Tube	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.
	Transpack Blue Tube	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.
	SCS-8 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

Section 7. Handling and storage

Big Blue Control Genomic
DNA

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.

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

Section 8. Exposure controls and personal protection

Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
Transpack Red Tube Sucrose	Safe Work Australia (Australia, 1/2014). TWA: 10 mg/m ³ 8 hours.
Transpack Blue Tube Sucrose	Safe Work Australia (Australia, 1/2014). TWA: 10 mg/m ³ 8 hours.
SCS-8 E. coli Strain Glycerol	Safe Work Australia (Australia, 1/2014). TWA: 10 mg/m ³ 8 hours.

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

Individual protection measures

- Hygiene measures** : 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.

Section 8. Exposure controls and personal protection

- Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Section 9. Physical and chemical properties

Appearance

Physical state	:	Transpack Red Tube	Liquid.
		Transpack Blue Tube	Liquid.
		SCS-8 E. coli Strain	Liquid.
		Big Blue Control Genomic DNA	Liquid.
Colour	:	Transpack Red Tube	Not available.
		Transpack Blue Tube	Not available.
		SCS-8 E. coli Strain	Not available.
		Big Blue Control Genomic DNA	Not available.
Odour	:	Transpack Red Tube	Not available.
		Transpack Blue Tube	Not available.
		SCS-8 E. coli Strain	Not available.
		Big Blue Control Genomic DNA	Not available.
Odour threshold	:	Transpack Red Tube	Not available.
		Transpack Blue Tube	Not available.
		SCS-8 E. coli Strain	Not available.
		Big Blue Control Genomic DNA	Not available.
pH	:	Transpack Red Tube	Not available.
		Transpack Blue Tube	8
		SCS-8 E. coli Strain	7
		Big Blue Control Genomic DNA	7.5
Melting point	:	Transpack Red Tube	Not available.
		Transpack Blue Tube	Not available.
		SCS-8 E. coli Strain	Not available.
		Big Blue Control Genomic DNA	0°C (32°F)
Boiling point	:	Transpack Red Tube	Not available.
		Transpack Blue Tube	Not available.
		SCS-8 E. coli Strain	Not available.
		Big Blue Control Genomic DNA	100°C (212°F)
Flash point	:	Transpack Red Tube	Not available.
		Transpack Blue Tube	Not available.
		SCS-8 E. coli Strain	Not available.
		Big Blue Control Genomic DNA	Not available.
Evaporation rate	:	Transpack Red Tube	Not available.
		Transpack Blue Tube	Not available.
		SCS-8 E. coli Strain	Not available.
		Big Blue Control Genomic DNA	Not available.

Section 9. Physical and chemical properties

Flammability (solid, gas)	: Transpack Red Tube Transpack Blue Tube SCS-8 E. coli Strain Big Blue Control Genomic DNA	Not applicable. Not applicable. Not applicable. Not applicable.
Lower and upper explosive (flammable) limits	: Transpack Red Tube Transpack Blue Tube SCS-8 E. coli Strain Big Blue Control Genomic DNA	Not available. Not available. Not available. Not available.
Vapour pressure	: Transpack Red Tube Transpack Blue Tube SCS-8 E. coli Strain Big Blue Control Genomic DNA	Not available. Not available. Not available. Not available.
Vapour density	: Transpack Red Tube Transpack Blue Tube SCS-8 E. coli Strain Big Blue Control Genomic DNA	Not available. Not available. Not available. Not available.
Relative density	: Transpack Red Tube Transpack Blue Tube SCS-8 E. coli Strain Big Blue Control Genomic DNA	Not available. Not available. Not available. Not available.
Solubility	: Transpack Red Tube Transpack Blue Tube SCS-8 E. coli Strain Big Blue Control Genomic DNA	Easily soluble in the following materials: cold water and hot water. Easily soluble in the following materials: cold water and hot water. 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	: Transpack Red Tube Transpack Blue Tube SCS-8 E. coli Strain Big Blue Control Genomic DNA	Not available. Not available. Not available. Not available.
Auto-ignition temperature	: Transpack Red Tube Transpack Blue Tube SCS-8 E. coli Strain Big Blue Control Genomic DNA	Not available. Not available. Not available. Not available.
Decomposition temperature	: Transpack Red Tube Transpack Blue Tube SCS-8 E. coli Strain Big Blue Control Genomic DNA	Not available. Not available. Not available. Not available.
Viscosity	: Transpack Red Tube Transpack Blue Tube SCS-8 E. coli Strain Big Blue Control Genomic DNA	Not available. Not available. Not available. Not available.

Section 10. Stability and reactivity

Reactivity	: Transpack Red Tube Transpack Blue Tube SCS-8 E. coli Strain Big Blue Control Genomic DNA	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. No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	: Transpack Red Tube Transpack Blue Tube SCS-8 E. coli Strain Big Blue Control Genomic DNA	The product is stable. The product is stable. The product is stable. The product is stable.
Possibility of hazardous reactions	: Transpack Red Tube Transpack Blue Tube SCS-8 E. coli Strain Big Blue Control Genomic DNA	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. Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	: Transpack Red Tube Transpack Blue Tube SCS-8 E. coli Strain Big Blue Control Genomic DNA	No specific data. No specific data. No specific data. No specific data.
Incompatible materials	: Transpack Red Tube Transpack Blue Tube SCS-8 E. coli Strain Big Blue Control Genomic DNA	May react or be incompatible with oxidising materials. May react or be incompatible with oxidising materials. May react or be incompatible with oxidising materials. May react or be incompatible with oxidising materials.
Hazardous decomposition products	: Transpack Red Tube Transpack Blue Tube SCS-8 E. coli Strain Big Blue Control Genomic DNA	Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Section 11. Toxicological information

Product/ingredient name	Result	Species	Dose	Exposure
Transpack Red Tube Sucrose	LD50 Oral	Rat	29700 mg/kg	-
Transpack Blue Tube Sucrose	LD50 Oral	Rat	29700 mg/kg	-
SCS-8 E. coli Strain Glycerol	LD50 Oral	Rat	12600 mg/kg	-

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
SCS-8 E. coli Strain Glycerol	Eyes - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 milligrams	-

Sensitisation

Not available.

Mutagenicity

Not available.

Carcinogenicity

Not available.

Reproductive toxicity

Not available.

Teratogenicity

Not available.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Information on likely routes of exposure : Transpack Red Tube Not available.
 Transpack Blue Tube Not available.
 SCS-8 E. coli Strain Routes of entry anticipated: Oral, Dermal, Inhalation.
 Big Blue Control Genomic Not available.
 DNA

Potential acute health effects

Eye contact : Transpack Red Tube No known significant effects or critical hazards.
 Transpack Blue Tube No known significant effects or critical hazards.
 SCS-8 E. coli Strain No known significant effects or critical hazards.
 Big Blue Control Genomic No known significant effects or critical hazards.
 DNA

Inhalation : Transpack Red Tube No known significant effects or critical hazards.
 Transpack Blue Tube No known significant effects or critical hazards.
 SCS-8 E. coli Strain No known significant effects or critical hazards.
 Big Blue Control Genomic No known significant effects or critical hazards.
 DNA

Section 11. Toxicological information

Skin contact	: Transpack Red Tube	No known significant effects or critical hazards.
	Transpack Blue Tube	No known significant effects or critical hazards.
	SCS-8 E. coli Strain	No known significant effects or critical hazards.
	Big Blue Control Genomic DNA	No known significant effects or critical hazards.
Ingestion	: Transpack Red Tube	No known significant effects or critical hazards.
	Transpack Blue Tube	No known significant effects or critical hazards.
	SCS-8 E. coli Strain	No known significant effects or critical hazards.
	Big Blue Control Genomic DNA	No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact	: Transpack Red Tube	No specific data.
	Transpack Blue Tube	No specific data.
	SCS-8 E. coli Strain	No specific data.
	Big Blue Control Genomic DNA	No specific data.
Inhalation	: Transpack Red Tube	No specific data.
	Transpack Blue Tube	No specific data.
	SCS-8 E. coli Strain	No specific data.
	Big Blue Control Genomic DNA	No specific data.
Skin contact	: Transpack Red Tube	No specific data.
	Transpack Blue Tube	No specific data.
	SCS-8 E. coli Strain	No specific data.
	Big Blue Control Genomic DNA	No specific data.
Ingestion	: Transpack Red Tube	No specific data.
	Transpack Blue Tube	No specific data.
	SCS-8 E. coli Strain	No specific data.
	Big Blue Control Genomic DNA	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

Not available.

General	: Transpack Red Tube	No known significant effects or critical hazards.
	Transpack Blue Tube	No known significant effects or critical hazards.
	SCS-8 E. coli Strain	No known significant effects or critical hazards.
	Big Blue Control Genomic DNA	No known significant effects or critical hazards.
Carcinogenicity	: Transpack Red Tube	No known significant effects or critical hazards.
	Transpack Blue Tube	No known significant effects or critical hazards.
	SCS-8 E. coli Strain	No known significant effects or critical hazards.
	Big Blue Control Genomic DNA	No known significant effects or critical hazards.

Section 11. Toxicological information

Mutagenicity	: Transpack Red Tube Transpack Blue Tube SCS-8 E. coli Strain Big Blue Control Genomic DNA	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
Teratogenicity	: Transpack Red Tube Transpack Blue Tube SCS-8 E. coli Strain Big Blue Control Genomic DNA	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
Developmental effects	: Transpack Red Tube Transpack Blue Tube SCS-8 E. coli Strain Big Blue Control Genomic DNA	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
Fertility effects	: Transpack Red Tube Transpack Blue Tube SCS-8 E. coli Strain Big Blue Control Genomic DNA	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Not available.

Section 12. Ecological information

Toxicity

Product/ingredient name	Result	Species	Exposure
SCS-8 E. coli Strain Glycerol	Acute LC50 54000 mg/l Fresh water	Fish - Oncorhynchus mykiss	96 hours

Persistence and degradability

Not available.

Bioaccumulative potential

Product/ingredient name	LogP _{ow}	BCF	Potential
Transpack Red Tube Sucrose	-3.7	-	low
Transpack Blue Tube Sucrose	-3.7	-	low
SCS-8 E. coli Strain Glycerol	-1.76	-	low

Mobility in soil

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

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

Section 13. Disposal considerations

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

Section 14. Transport information

Regulatory information

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

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

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

Section 15. Regulatory information

Standard Uniform Schedule of Medicine and Poisons

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Model Work Health and Safety Regulations - Scheduled Substances

No listed substance

Australia inventory (AICS) : Not determined.

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

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

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

International lists

National inventory

Canada : Not determined.
China : Not determined.
Europe : All components are listed or exempted.
Japan : **Japan inventory (ENCS):** Not determined.
Japan inventory (ISHL): Not determined.
Malaysia : Not determined.
New Zealand : All components are listed or exempted.

Section 15. Regulatory information

Philippines	: Not determined.
Republic of Korea	: Not determined.
Taiwan	: All components are listed or exempted.
Turkey	: Not determined.
United States	: All components are listed or exempted.

Section 16. Any other relevant information

History

Date of issue/Date of revision	: 25/11/2016
Date of previous issue	: 22/04/2014.
Version	: 4

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

Classification	Justification
Not classified.	

References	: Not available.
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📌 Indicates information that has changed from previously issued version.

Notice to reader

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