

SAFETY DATA SHEET



Mammalian Transfection Kit, Part Number 200285

Section 1. Identification

Product identifier	: Mammalian Transfection Kit, Part Number 200285		
Part No. (Chemical Kit)	: 200285		
Part No.	: Mammalian Transfection Kit Solution 1	200285-81	
	Mammalian Transfection Kit Solution 2	200285-82	
	Mammalian Transfection Kit Solution 3	200285-83	
	pWL-neo Plasmid	200285-85	
	In-Situ β -GAL Control Plasmid	200384-24	

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

Analytical reagent.

Mammalian Transfection Kit Solution 1	1.5 ml
Mammalian Transfection Kit Solution 2	15 ml
Mammalian Transfection Kit Solution 3	5 ml
pWL-neo Plasmid	0.04 ml
In-Situ β -GAL Control Plasmid	0.015 ml (15 μ l 1 μ g/ μ l)

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

Mammalian Transfection Kit

Solution 1

H319	SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2A
Mammalian Transfection Kit Solution 2	Percentage of the mixture consisting of ingredient(s) of unknown dermal toxicity: 1 - 10%
	Percentage of the mixture consisting of ingredient(s) of unknown inhalation toxicity: 1 - 10%
	Percentage of the mixture consisting of ingredient(s) of unknown oral toxicity: 1 - 10%
Mammalian Transfection Kit Solution 2	Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 1.1%

GHS label elements

Hazard pictograms

: Mammalian Transfection Kit Solution 1



Section 2. Hazard(s) identification

Signal word	:	<input checked="" type="checkbox"/> Mammalian Transfection Kit Solution 1 Mammalian Transfection Kit Solution 2 Mammalian Transfection Kit Solution 3 pWL-neo Plasmid In-Situ β -GAL Control Plasmid	WARNING No signal word. No signal word. No signal word. No signal word. No signal word.
Hazard statements	:	<input checked="" type="checkbox"/> Mammalian Transfection Kit Solution 1 Mammalian Transfection Kit Solution 2 Mammalian Transfection Kit Solution 3 pWL-neo Plasmid In-Situ β -GAL Control Plasmid	H319 - Causes serious eye irritation. 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.
<u>Precautionary statements</u>			
Prevention	:	<input checked="" type="checkbox"/> Mammalian Transfection Kit Solution 1 Mammalian Transfection Kit Solution 2 Mammalian Transfection Kit Solution 3 pWL-neo Plasmid In-Situ β -GAL Control Plasmid	P280 - Wear eye or face protection. P264 - Wash hands thoroughly after handling. Not applicable. Not applicable. Not applicable. Not applicable.
Response	:	<input checked="" type="checkbox"/> Mammalian Transfection Kit Solution 1 Mammalian Transfection Kit Solution 2 Mammalian Transfection Kit Solution 3 pWL-neo Plasmid In-Situ β -GAL Control Plasmid	P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 - If eye irritation persists: Get medical attention. Not applicable. Not applicable. Not applicable. Not applicable.
Storage	:	<input checked="" type="checkbox"/> Mammalian Transfection Kit Solution 1 Mammalian Transfection Kit Solution 2 Mammalian Transfection Kit Solution 3 pWL-neo Plasmid In-Situ β -GAL Control Plasmid	Not applicable. Not applicable. Not applicable. Not applicable. Not applicable.
Disposal	:	<input checked="" type="checkbox"/> Mammalian Transfection Kit Solution 1 Mammalian Transfection Kit Solution 2 Mammalian Transfection Kit Solution 3 pWL-neo Plasmid In-Situ β -GAL Control Plasmid	Not applicable. Not applicable. Not applicable. Not applicable. Not applicable.

Supplemental label elements

Section 2. Hazard(s) identification

Additional warning phrases	<input checked="" type="checkbox"/> Mammalian Transfection Kit Solution 1	Not applicable.
	Mammalian Transfection Kit Solution 2	Not applicable.
	Mammalian Transfection Kit Solution 3	Not applicable.
	pWL-neo Plasmid	Not applicable.
	In-Situ β -GAL Control Plasmid	Not applicable.

Other hazards which do not result in classification	<input checked="" type="checkbox"/> Mammalian Transfection Kit Solution 1	None known.
	Mammalian Transfection Kit Solution 2	None known.
	Mammalian Transfection Kit Solution 3	None known.
	pWL-neo Plasmid	None known.
	In-Situ β -GAL Control Plasmid	None known.

Section 3. Composition and ingredient information

Substance/mixture	<input checked="" type="checkbox"/> Mammalian Transfection Kit Solution 1	Mixture
	Mammalian Transfection Kit Solution 2	Mixture
	Mammalian Transfection Kit Solution 3	Mixture
	pWL-neo Plasmid	Mixture
	In-Situ β -GAL Control Plasmid	Mixture

CAS number/other identifiers

Ingredient name	% (w/w)	CAS number
<input checked="" type="checkbox"/> Mammalian Transfection Kit Solution 1 calcium chloride	$\geq 30 - \leq 60$	10043-52-4

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	<input checked="" type="checkbox"/> Mammalian Transfection Kit Solution 1	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
	Mammalian Transfection Kit Solution 2	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.
	Mammalian Transfection Kit Solution 3	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.
	pWL-neo Plasmid	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

	In-Situ β -GAL Control Plasmid	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	: Mammalian Transfection Kit Solution 1	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
	Mammalian Transfection Kit Solution 2	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
	Mammalian Transfection Kit Solution 3	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	pWL-neo Plasmid	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	In-Situ β -GAL Control Plasmid	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
Skin contact	: Mammalian Transfection Kit Solution 1	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.
	Mammalian Transfection Kit Solution 2	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	Mammalian Transfection Kit Solution 3	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	pWL-neo Plasmid	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	In-Situ β -GAL Control Plasmid	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
Ingestion	: Mammalian Transfection Kit Solution 1	Wash out mouth with water. Remove dentures if any. 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. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
	Mammalian Transfection Kit	Wash out mouth with water. Remove victim to fresh

Section 4. First aid measures

Solution 2	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.
Mammalian Transfection Kit Solution 3	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.
pWL-neo Plasmid	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.
In-Situ β -GAL Control Plasmid	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

Eye contact	: Mammalian Transfection Kit Solution 1	Causes serious eye irritation.
	Mammalian Transfection Kit Solution 2	No known significant effects or critical hazards.
	Mammalian Transfection Kit Solution 3	No known significant effects or critical hazards.
	pWL-neo Plasmid	No known significant effects or critical hazards.
	In-Situ β -GAL Control Plasmid	No known significant effects or critical hazards.
Inhalation	: Mammalian Transfection Kit Solution 1	No known significant effects or critical hazards.
	Mammalian Transfection Kit Solution 2	No known significant effects or critical hazards.
	Mammalian Transfection Kit Solution 3	No known significant effects or critical hazards.
	pWL-neo Plasmid	No known significant effects or critical hazards.
	In-Situ β -GAL Control Plasmid	No known significant effects or critical hazards.
Skin contact	: Mammalian Transfection Kit Solution 1	No known significant effects or critical hazards.
	Mammalian Transfection Kit Solution 2	No known significant effects or critical hazards.
	Mammalian Transfection Kit Solution 3	No known significant effects or critical hazards.
	pWL-neo Plasmid	No known significant effects or critical hazards.
	In-Situ β -GAL Control Plasmid	No known significant effects or critical hazards.

Section 4. First aid measures

Ingestion	: Mammalian Transfection Kit Solution 1	No known significant effects or critical hazards.
	Mammalian Transfection Kit Solution 2	No known significant effects or critical hazards.
	Mammalian Transfection Kit Solution 3	No known significant effects or critical hazards.
	pWL-neo Plasmid	No known significant effects or critical hazards.
	In-Situ β -GAL Control Plasmid	No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact	: Mammalian Transfection Kit Solution 1	Adverse symptoms may include the following: pain or irritation watering redness
	Mammalian Transfection Kit Solution 2	No specific data.
	Mammalian Transfection Kit Solution 3	No specific data.
	pWL-neo Plasmid	No specific data.
	In-Situ β -GAL Control Plasmid	No specific data.

Inhalation	: Mammalian Transfection Kit Solution 1	No specific data.
	Mammalian Transfection Kit Solution 2	No specific data.
	Mammalian Transfection Kit Solution 3	No specific data.
	pWL-neo Plasmid	No specific data.
	In-Situ β -GAL Control Plasmid	No specific data.

Skin contact	: Mammalian Transfection Kit Solution 1	No specific data.
	Mammalian Transfection Kit Solution 2	No specific data.
	Mammalian Transfection Kit Solution 3	No specific data.
	pWL-neo Plasmid	No specific data.
	In-Situ β -GAL Control Plasmid	No specific data.

Ingestion	: Mammalian Transfection Kit Solution 1	No specific data.
	Mammalian Transfection Kit Solution 2	No specific data.
	Mammalian Transfection Kit Solution 3	No specific data.
	pWL-neo Plasmid	No specific data.
	In-Situ β -GAL Control Plasmid	No specific data.

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

Notes to physician	: Mammalian Transfection Kit Solution 1	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	Mammalian Transfection Kit Solution 2	In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
	Mammalian Transfection Kit Solution 3	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Section 4. First aid measures

	pWL-neo Plasmid	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	In-Situ β -GAL Control Plasmid	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments	: Mammalian Transfection Kit Solution 1	No specific treatment.
	Mammalian Transfection Kit Solution 2	No specific treatment.
	Mammalian Transfection Kit Solution 3	No specific treatment.
	pWL-neo Plasmid	No specific treatment.
	In-Situ β -GAL Control Plasmid	No specific treatment.
Protection of first-aiders	: Mammalian Transfection Kit Solution 1	No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.
	Mammalian Transfection Kit Solution 2	No action shall be taken involving any personal risk or without suitable training.
	Mammalian Transfection Kit Solution 3	No action shall be taken involving any personal risk or without suitable training.
	pWL-neo Plasmid	No action shall be taken involving any personal risk or without suitable training.
	In-Situ β -GAL Control Plasmid	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	: Mammalian Transfection Kit Solution 1	Use an extinguishing agent suitable for the surrounding fire.
	Mammalian Transfection Kit Solution 2	Use an extinguishing agent suitable for the surrounding fire.
	Mammalian Transfection Kit Solution 3	Use an extinguishing agent suitable for the surrounding fire.
	pWL-neo Plasmid	Use an extinguishing agent suitable for the surrounding fire.
	In-Situ β -GAL Control Plasmid	Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media	: Mammalian Transfection Kit Solution 1	None known.
	Mammalian Transfection Kit Solution 2	None known.
	Mammalian Transfection Kit Solution 3	None known.
	pWL-neo Plasmid	None known.
	In-Situ β -GAL Control Plasmid	None known.

Specific hazards arising from the chemical

: Mammalian Transfection Kit Solution 1	In a fire or if heated, a pressure increase will occur and the container may burst.
Mammalian Transfection Kit Solution 2	In a fire or if heated, a pressure increase will occur and the container may burst.
Mammalian Transfection Kit Solution 3	In a fire or if heated, a pressure increase will occur and the container may burst.
pWL-neo Plasmid	In a fire or if heated, a pressure increase will occur and the container may burst.


Section 5. Firefighting measures

Hazardous thermal decomposition products	In-Situ β -GAL Control Plasmid	In a fire or if heated, a pressure increase will occur and the container may burst.
	Mammalian Transfection Kit Solution 1	Decomposition products may include the following materials: halogenated compounds metal oxide/oxides
	Mammalian Transfection Kit Solution 2	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides sulfur oxides halogenated compounds metal oxide/oxides
Special protective actions for fire-fighters	Mammalian Transfection Kit Solution 3	No specific data.
	pWL-neo Plasmid	No specific data.
	In-Situ β -GAL Control Plasmid	No specific data.
	Mammalian Transfection Kit Solution 1	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.
	Mammalian Transfection Kit Solution 2	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	Mammalian Transfection Kit Solution 3	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.
	pWL-neo Plasmid	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.
	In-Situ β -GAL Control Plasmid	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.
	Mammalian Transfection Kit Solution 1	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
	Mammalian Transfection Kit Solution 2	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
Mammalian Transfection Kit Solution 3	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.	
pWL-neo Plasmid	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.	
In-Situ β -GAL Control Plasmid	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

:  Mammalian Transfection Kit Solution 1	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. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
Mammalian Transfection Kit Solution 2	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.
Mammalian Transfection Kit Solution 3	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.
pWL-neo Plasmid	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.
In-Situ β -GAL Control Plasmid	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

:  Mammalian Transfection Kit Solution 1	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".
Mammalian Transfection Kit Solution 2	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".
Mammalian Transfection Kit Solution 3	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".
pWL-neo Plasmid	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".
In-Situ β -GAL Control Plasmid	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

:  Mammalian Transfection Kit Solution 1	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).
Mammalian Transfection Kit Solution 2	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has

Section 6. Accidental release measures

	caused environmental pollution (sewers, waterways, soil or air).
Mammalian Transfection Kit Solution 3	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).
pWL-neo Plasmid	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).
In-Situ β -GAL Control Plasmid	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	:	<input checked="" type="checkbox"/> Mammalian Transfection Kit Solution 1	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.
		Mammalian Transfection Kit Solution 2	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.
		Mammalian Transfection Kit Solution 3	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.
		pWL-neo Plasmid	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.
		In-Situ β -GAL Control Plasmid	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Section 7. Handling and storage

Precautions for safe handling

Protective measures	:	<input checked="" type="checkbox"/> Mammalian Transfection Kit Solution 1	Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapour or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
		Mammalian Transfection Kit Solution 2	Put on appropriate personal protective equipment (see Section 8).

Section 7. Handling and storage

	Mammalian Transfection Kit Solution 3	Put on appropriate personal protective equipment (see Section 8).
	pWL-neo Plasmid	Put on appropriate personal protective equipment (see Section 8).
	In-Situ β -GAL Control Plasmid	Put on appropriate personal protective equipment (see Section 8).
Advice on general occupational hygiene	: Mammalian Transfection Kit Solution 1	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.
	Mammalian Transfection Kit Solution 2	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.
	Mammalian Transfection Kit Solution 3	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.
	pWL-neo Plasmid	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.
	In-Situ β -GAL Control Plasmid	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	: Mammalian Transfection Kit Solution 1	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.
	Mammalian Transfection Kit Solution 2	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

Section 7. Handling and storage

Mammalian Transfection Kit Solution 3	incompatible materials before handling or use. 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.
pWL-neo Plasmid	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.
In-Situ β -GAL Control Plasmid	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.

Section 8. Exposure controls and personal protection

Control parameters

Occupational exposure limits

None.

Appropriate engineering controls

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

Environmental exposure controls

: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

Hygiene measures

: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection

: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.

Skin protection

Section 8. Exposure controls and personal 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. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
- 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** : Mammalian Transfection Kit Solution 1 Liquid.
Mammalian Transfection Kit Solution 2 Liquid.
Mammalian Transfection Kit Solution 3 Liquid.
pWL-neo Plasmid Liquid.
In-Situ β -GAL Control Plasmid Liquid.
- Colour** : Mammalian Transfection Kit Solution 1 Not available.
Mammalian Transfection Kit Solution 2 Not available.
Mammalian Transfection Kit Solution 3 Not available.
pWL-neo Plasmid Not available.
In-Situ β -GAL Control Plasmid Not available.
- Odour** : Mammalian Transfection Kit Solution 1 Not available.
Mammalian Transfection Kit Solution 2 Not available.
Mammalian Transfection Kit Solution 3 Not available.
pWL-neo Plasmid Not available.
In-Situ β -GAL Control Plasmid Not available.
- Odour threshold** : Mammalian Transfection Kit Solution 1 Not available.
Mammalian Transfection Kit Solution 2 Not available.
Mammalian Transfection Kit Solution 3 Not available.
pWL-neo Plasmid Not available.
In-Situ β -GAL Control Plasmid Not available.
- pH** :

Section 9. Physical and chemical properties

		<ul style="list-style-type: none"> ☑ Mammalian Transfection Kit Solution 1 Not available. Mammalian Transfection Kit Solution 2 6.95 Mammalian Transfection Kit Solution 3 Not available. pWL-neo Plasmid 7.5 In-Situ β-GAL Control Plasmid 7.5
Melting point	:	<ul style="list-style-type: none"> ☑ Mammalian Transfection Kit Solution 1 Not available. Mammalian Transfection Kit Solution 2 0°C (32°F) Mammalian Transfection Kit Solution 3 0°C (32°F) pWL-neo Plasmid 0°C (32°F) In-Situ β-GAL Control Plasmid 0°C (32°F)
Boiling point	:	<ul style="list-style-type: none"> ☑ Mammalian Transfection Kit Solution 1 Not available. Mammalian Transfection Kit Solution 2 100°C (212°F) Mammalian Transfection Kit Solution 3 100°C (212°F) pWL-neo Plasmid 100°C (212°F) In-Situ β-GAL Control Plasmid 100°C (212°F)
Flash point	:	<ul style="list-style-type: none"> ☑ Mammalian Transfection Kit Solution 1 Not available. Mammalian Transfection Kit Solution 2 Not available. Mammalian Transfection Kit Solution 3 Not available. pWL-neo Plasmid Not available. In-Situ β-GAL Control Plasmid Not available.
Evaporation rate	:	<ul style="list-style-type: none"> ☑ Mammalian Transfection Kit Solution 1 Not available. Mammalian Transfection Kit Solution 2 Not available. Mammalian Transfection Kit Solution 3 Not available. pWL-neo Plasmid Not available. In-Situ β-GAL Control Plasmid Not available.
Flammability (solid, gas)	:	<ul style="list-style-type: none"> ☑ Mammalian Transfection Kit Solution 1 Not applicable. Mammalian Transfection Kit Solution 2 Not applicable. Mammalian Transfection Kit Solution 3 Not applicable. pWL-neo Plasmid Not applicable. In-Situ β-GAL Control Plasmid Not applicable.
Lower and upper explosive (flammable) limits	:	<ul style="list-style-type: none"> ☑ Mammalian Transfection Kit Solution 1 Not available. Mammalian Transfection Kit Solution 2 Not available. Mammalian Transfection Kit Solution 3 Not available. pWL-neo Plasmid Not available. In-Situ β-GAL Control Not available.

Section 9. Physical and chemical properties

		Plasmid	
Vapour pressure	:	Mammalian Transfection Kit Solution 1	Not available.
		Mammalian Transfection Kit Solution 2	Not available.
		Mammalian Transfection Kit Solution 3	Not available.
		pWL-neo Plasmid	Not available.
		In-Situ β -GAL Control Plasmid	Not available.
Vapour density	:	Mammalian Transfection Kit Solution 1	Not available.
		Mammalian Transfection Kit Solution 2	Not available.
		Mammalian Transfection Kit Solution 3	Not available.
		pWL-neo Plasmid	Not available.
		In-Situ β -GAL Control Plasmid	Not available.
Relative density	:	Mammalian Transfection Kit Solution 1	Not available.
		Mammalian Transfection Kit Solution 2	Not available.
		Mammalian Transfection Kit Solution 3	Not available.
		pWL-neo Plasmid	Not available.
		In-Situ β -GAL Control Plasmid	Not available.
Solubility	:	Mammalian Transfection Kit Solution 1	Soluble in the following materials: cold water and hot water.
		Mammalian Transfection Kit Solution 2	Easily soluble in the following materials: cold water and hot water.
		Mammalian Transfection Kit Solution 3	Soluble in the following materials: cold water and hot water.
		pWL-neo Plasmid	Easily soluble in the following materials: cold water and hot water.
		In-Situ β -GAL Control Plasmid	Easily soluble in the following materials: cold water and hot water.
Partition coefficient: n-octanol/water	:	Mammalian Transfection Kit Solution 1	Not available.
		Mammalian Transfection Kit Solution 2	Not available.
		Mammalian Transfection Kit Solution 3	Not available.
		pWL-neo Plasmid	Not available.
		In-Situ β -GAL Control Plasmid	Not available.
Auto-ignition temperature	:	Mammalian Transfection Kit Solution 1	Not available.
		Mammalian Transfection Kit Solution 2	Not available.
		Mammalian Transfection Kit Solution 3	Not available.
		pWL-neo Plasmid	Not available.
		In-Situ β -GAL Control Plasmid	Not available.

Section 9. Physical and chemical properties

Decomposition temperature	:	Mammalian Transfection Kit Solution 1	Not available.
		Mammalian Transfection Kit Solution 2	Not available.
		Mammalian Transfection Kit Solution 3	Not available.
		pWL-neo Plasmid	Not available.
		In-Situ β -GAL Control Plasmid	Not available.
Viscosity	:	Mammalian Transfection Kit Solution 1	Not available.
		Mammalian Transfection Kit Solution 2	Not available.
		Mammalian Transfection Kit Solution 3	Not available.
		pWL-neo Plasmid	Not available.
		In-Situ β -GAL Control Plasmid	Not available.

Section 10. Stability and reactivity

Reactivity	:	Mammalian Transfection Kit Solution 1	No specific test data related to reactivity available for this product or its ingredients.
		Mammalian Transfection Kit Solution 2	No specific test data related to reactivity available for this product or its ingredients.
		Mammalian Transfection Kit Solution 3	No specific test data related to reactivity available for this product or its ingredients.
		pWL-neo Plasmid	No specific test data related to reactivity available for this product or its ingredients.
		In-Situ β -GAL Control Plasmid	No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	:	Mammalian Transfection Kit Solution 1	The product is stable.
		Mammalian Transfection Kit Solution 2	The product is stable.
		Mammalian Transfection Kit Solution 3	The product is stable.
		pWL-neo Plasmid	The product is stable.
		In-Situ β -GAL Control Plasmid	The product is stable.
Possibility of hazardous reactions	:	Mammalian Transfection Kit Solution 1	Under normal conditions of storage and use, hazardous reactions will not occur.
		Mammalian Transfection Kit Solution 2	Under normal conditions of storage and use, hazardous reactions will not occur.
		Mammalian Transfection Kit Solution 3	Under normal conditions of storage and use, hazardous reactions will not occur.
		pWL-neo Plasmid	Under normal conditions of storage and use, hazardous reactions will not occur.
		In-Situ β -GAL Control Plasmid	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	:	Mammalian Transfection Kit Solution 1	No specific data.
		Mammalian Transfection Kit Solution 2	No specific data.
		Mammalian Transfection Kit Solution 3	No specific data.
		pWL-neo Plasmid	No specific data.
		In-Situ β -GAL Control Plasmid	No specific data.

Section 10. Stability and reactivity

Incompatible materials	:	<input checked="" type="checkbox"/> Mammalian Transfection Kit Solution 1	May react or be incompatible with oxidising materials.
		Mammalian Transfection Kit Solution 2	May react or be incompatible with oxidising materials.
		Mammalian Transfection Kit Solution 3	May react or be incompatible with oxidising materials.
		pWL-neo Plasmid	May react or be incompatible with oxidising materials.
		In-Situ β -GAL Control Plasmid	May react or be incompatible with oxidising materials.
Hazardous decomposition products	:	<input checked="" type="checkbox"/> Mammalian Transfection Kit Solution 1	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
		Mammalian Transfection Kit Solution 2	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
		Mammalian Transfection Kit Solution 3	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
		pWL-neo Plasmid	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
		In-Situ β -GAL Control Plasmid	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
<input checked="" type="checkbox"/> Mammalian Transfection Kit Solution 1 calcium chloride	LD50 Oral	Rat	1 g/kg	-

Irritation/Corrosion

Not available.

Sensitisation

Not available.

Mutagenicity

Not available.

Carcinogenicity

Not available.

Reproductive toxicity

Not available.

Teratogenicity

Not available.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Section 11. Toxicological information

Not available.

Information on likely routes of exposure	Information on likely routes of exposure :	Mammalian Transfection Kit Solution 1	Routes of entry anticipated: Oral, Dermal, Inhalation.
		Mammalian Transfection Kit Solution 2	Routes of entry anticipated: Oral, Dermal, Inhalation.
		Mammalian Transfection Kit Solution 3	Not available.
		pWL-neo Plasmid	Not available.
		In-Situ β -GAL Control Plasmid	Not available.

Potential acute health effects

Eye contact	Eye contact :	Mammalian Transfection Kit Solution 1	Causes serious eye irritation.
		Mammalian Transfection Kit Solution 2	No known significant effects or critical hazards.
		Mammalian Transfection Kit Solution 3	No known significant effects or critical hazards.
		pWL-neo Plasmid	No known significant effects or critical hazards.
		In-Situ β -GAL Control Plasmid	No known significant effects or critical hazards.
Inhalation	Inhalation :	Mammalian Transfection Kit Solution 1	No known significant effects or critical hazards.
		Mammalian Transfection Kit Solution 2	No known significant effects or critical hazards.
		Mammalian Transfection Kit Solution 3	No known significant effects or critical hazards.
		pWL-neo Plasmid	No known significant effects or critical hazards.
		In-Situ β -GAL Control Plasmid	No known significant effects or critical hazards.
Skin contact	Skin contact :	Mammalian Transfection Kit Solution 1	No known significant effects or critical hazards.
		Mammalian Transfection Kit Solution 2	No known significant effects or critical hazards.
		Mammalian Transfection Kit Solution 3	No known significant effects or critical hazards.
		pWL-neo Plasmid	No known significant effects or critical hazards.
		In-Situ β -GAL Control Plasmid	No known significant effects or critical hazards.
Ingestion	Ingestion :	Mammalian Transfection Kit Solution 1	No known significant effects or critical hazards.
		Mammalian Transfection Kit Solution 2	No known significant effects or critical hazards.
		Mammalian Transfection Kit Solution 3	No known significant effects or critical hazards.
		pWL-neo Plasmid	No known significant effects or critical hazards.
		In-Situ β -GAL Control Plasmid	No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact	Eye contact :	Mammalian Transfection Kit Solution 1	Adverse symptoms may include the following: pain or irritation watering redness
		Mammalian Transfection Kit Solution 2	No specific data.
		Mammalian Transfection Kit Solution 3	No specific data.
		pWL-neo Plasmid	No specific data.
		In-Situ β -GAL Control Plasmid	No specific data.

Section 11. Toxicological information

	In-Situ β -GAL Control Plasmid	No specific data.
Inhalation	: Mammalian Transfection Kit Solution 1	No specific data.
	Mammalian Transfection Kit Solution 2	No specific data.
	Mammalian Transfection Kit Solution 3	No specific data.
	pWL-neo Plasmid	No specific data.
	In-Situ β -GAL Control Plasmid	No specific data.
Skin contact	: Mammalian Transfection Kit Solution 1	No specific data.
	Mammalian Transfection Kit Solution 2	No specific data.
	Mammalian Transfection Kit Solution 3	No specific data.
	pWL-neo Plasmid	No specific data.
	In-Situ β -GAL Control Plasmid	No specific data.
Ingestion	: Mammalian Transfection Kit Solution 1	No specific data.
	Mammalian Transfection Kit Solution 2	No specific data.
	Mammalian Transfection Kit Solution 3	No specific data.
	pWL-neo Plasmid	No specific data.
	In-Situ β -GAL Control Plasmid	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	: Mammalian Transfection Kit Solution 1	No known significant effects or critical hazards.
	Mammalian Transfection Kit Solution 2	No known significant effects or critical hazards.
	Mammalian Transfection Kit Solution 3	No known significant effects or critical hazards.
	pWL-neo Plasmid	No known significant effects or critical hazards.
	In-Situ β -GAL Control Plasmid	No known significant effects or critical hazards.
Carcinogenicity	: Mammalian Transfection Kit Solution 1	No known significant effects or critical hazards.
	Mammalian Transfection Kit Solution 2	No known significant effects or critical hazards.
	Mammalian Transfection Kit Solution 3	No known significant effects or critical hazards.
	pWL-neo Plasmid	No known significant effects or critical hazards.
	In-Situ β -GAL Control Plasmid	No known significant effects or critical hazards.

Section 11. Toxicological information

Mutagenicity	: Mammalian Transfection Kit Solution 1	No known significant effects or critical hazards.
	Mammalian Transfection Kit Solution 2	No known significant effects or critical hazards.
	Mammalian Transfection Kit Solution 3	No known significant effects or critical hazards.
	pWL-neo Plasmid	No known significant effects or critical hazards.
	In-Situ β -GAL Control Plasmid	No known significant effects or critical hazards.
Teratogenicity	: Mammalian Transfection Kit Solution 1	No known significant effects or critical hazards.
	Mammalian Transfection Kit Solution 2	No known significant effects or critical hazards.
	Mammalian Transfection Kit Solution 3	No known significant effects or critical hazards.
	pWL-neo Plasmid	No known significant effects or critical hazards.
	In-Situ β -GAL Control Plasmid	No known significant effects or critical hazards.
Developmental effects	: Mammalian Transfection Kit Solution 1	No known significant effects or critical hazards.
	Mammalian Transfection Kit Solution 2	No known significant effects or critical hazards.
	Mammalian Transfection Kit Solution 3	No known significant effects or critical hazards.
	pWL-neo Plasmid	No known significant effects or critical hazards.
	In-Situ β -GAL Control Plasmid	No known significant effects or critical hazards.
Fertility effects	: Mammalian Transfection Kit Solution 1	No known significant effects or critical hazards.
	Mammalian Transfection Kit Solution 2	No known significant effects or critical hazards.
	Mammalian Transfection Kit Solution 3	No known significant effects or critical hazards.
	pWL-neo Plasmid	No known significant effects or critical hazards.
	In-Situ β -GAL Control Plasmid	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
Mammalian Transfection Kit Solution 1 calcium chloride	Acute EC50 3130000 μ g/l Fresh water	Algae - Navicula seminulum	96 hours
	Acute EC50 464000 μ g/l Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 270 mg/l Marine water	Crustaceans - Americamysis bahia	48 hours
	Acute LC50 2110 mg/l Fresh water	Fish - Pimephales promelas	96 hours

Persistence and degradability

Section 12. Ecological information

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
<input checked="" type="checkbox"/> Mammalian Transfection Kit Solution 1 calcium chloride	-	-	Readily

Bioaccumulative potential

Product/ingredient name	LogP _{ow}	BCF	Potential
<input checked="" type="checkbox"/> Mammalian Transfection Kit Solution 1 calcium chloride	<3	-	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. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. 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

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

Not regulated.

Model Work Health and Safety Regulations - Scheduled Substances

No listed substance

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

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

Not listed.

Section 15. Regulatory information

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	: Not determined.
Europe	: Not determined.
Japan	: <input checked="" type="checkbox"/> Japan inventory (ENCS) : Not determined. Japan inventory (ISHL) : Not determined.
Malaysia	: 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	: <input checked="" type="checkbox"/> Not determined.
Turkey	: <input checked="" type="checkbox"/> Not determined.
United States	: Not determined.
Viet Nam	: <input checked="" type="checkbox"/> Not determined.

Section 16. Any other relevant information

History

Date of issue/Date of revision : 31/12/2017

Date of previous issue : 30/09/2015.

Version : 3

Key to abbreviations :

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

Procedure used to derive the classification

Classification	Justification
<input checked="" type="checkbox"/> Mammalian Transfection Kit Solution 1 Eye Irrit. 2A, H319	Calculation method

References : Not available.

Indicates information that has changed from previously issued version.

Notice to reader

Section 16. Any other relevant information

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