

SAFETY DATA SHEET



Prime-It II Random Primer Labeling Kit, Part Number 300385

Section 1. Identification

Product identifier	: Prime-It II Random Primer Labeling Kit, Part Number 300385		
Part No. (Chemical Kit)	: 300385		
Part No.	:	<input checked="" type="checkbox"/> Control DNA	300385-51
		Random 9-mer Primers	300385-52
		Prime-It II 5X dCTP Buffer	300385-53
		Prime-It II 5X dATP Buffer	300385-54
		Exo (-) Klenow	300385-55
		Stop Mix	300385-56

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

Analytical reagent.

<input checked="" type="checkbox"/> Control DNA	100 µl (25 ng/µl	10 µl)
Random 9-mer Primers	350 µl	
Prime-It II 5X dCTP Buffer	350 µl	
Prime-It II 5X dATP Buffer	350 µl	
Exo (-) Klenow	350 µl (5 U/µl	175 U)
Stop Mix	100 µl	

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


Stop Mix
H319

SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2A

<input checked="" type="checkbox"/> Prime-It II 5X dCTP Buffer	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%
Prime-It II 5X dATP Buffer	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%
Exo (-) Klenow	Percentage of the mixture consisting of ingredient(s) of unknown inhalation toxicity: 30 - 60%
<input checked="" type="checkbox"/> Prime-It II 5X dCTP Buffer	Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 2.7%
Prime-It II 5X dATP Buffer	Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 2.7%

GHS label elements

Section 2. Hazard(s) identification

Hazard pictograms	:  Stop Mix	
Signal word	: <input checked="" type="checkbox"/> Control DNA Random 9-mer Primers Prime-It II 5X dCTP Buffer Prime-It II 5X dATP Buffer Exo (-) Klenow Stop Mix	No signal word. No signal word. No signal word. No signal word. No signal word. WARNING
Hazard statements	: <input checked="" type="checkbox"/> Control DNA Random 9-mer Primers Prime-It II 5X dCTP Buffer Prime-It II 5X dATP Buffer Exo (-) Klenow Stop Mix	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. H319 - Causes serious eye irritation.
<u>Precautionary statements</u>		
Prevention	: <input checked="" type="checkbox"/> Control DNA Random 9-mer Primers Prime-It II 5X dCTP Buffer Prime-It II 5X dATP Buffer Exo (-) Klenow Stop Mix	Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. P280 - Wear eye or face protection. P264 - Wash hands thoroughly after handling.
Response	: <input checked="" type="checkbox"/> Control DNA Random 9-mer Primers Prime-It II 5X dCTP Buffer Prime-It II 5X dATP Buffer Exo (-) Klenow Stop Mix	Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. 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.
Storage	: <input checked="" type="checkbox"/> Control DNA Random 9-mer Primers Prime-It II 5X dCTP Buffer Prime-It II 5X dATP Buffer Exo (-) Klenow Stop Mix	Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable.
Disposal	: <input checked="" type="checkbox"/> Control DNA Random 9-mer Primers Prime-It II 5X dCTP Buffer Prime-It II 5X dATP Buffer Exo (-) Klenow Stop Mix	Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable.
Supplemental label elements		
Additional warning phrases	: <input checked="" type="checkbox"/> Control DNA Random 9-mer Primers Prime-It II 5X dCTP Buffer Prime-It II 5X dATP Buffer Exo (-) Klenow Stop Mix	Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable.

Section 2. Hazard(s) identification

Other hazards which do not result in classification	: Control DNA	None known.
	Random 9-mer Primers	None known.
	Prime-It II 5X dCTP Buffer	None known.
	Prime-It II 5X dATP Buffer	None known.
	Exo (-) Klenow	None known.
	Stop Mix	None known.

Section 3. Composition and ingredient information

Substance/mixture	: Control DNA	Mixture
	Random 9-mer Primers	Mixture
	Prime-It II 5X dCTP Buffer	Mixture
	Prime-It II 5X dATP Buffer	Mixture
	Exo (-) Klenow	Mixture
	Stop Mix	Mixture

CAS number/other identifiers

Ingredient name	% (w/w)	CAS number
Exo (-) Klenow Glycerol	≥30 - ≤60	56-81-5
Stop Mix Edetic acid	≥10 - ≤30	60-00-4

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	: Control 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.
	Random 9-mer Primers	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.
	Prime-It II 5X dCTP Buffer	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.
	Prime-It II 5X dATP Buffer	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.
	Exo (-) Klenow	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.
	Stop Mix	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.

Section 4. First aid measures

Inhalation	:  Control DNA	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	Random 9-mer Primers	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	Prime-It II 5X dCTP Buffer	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.
	Prime-It II 5X dATP Buffer	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.
	Exo (-) Klenow	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	Stop Mix	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. 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.
Skin contact	:  Control DNA	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	Random 9-mer Primers	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	Prime-It II 5X dCTP Buffer	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	Prime-It II 5X dATP Buffer	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	Exo (-) Klenow	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	Stop Mix	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.
Ingestion	:  Control 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.
	Random 9-mer Primers	Wash out mouth with water. Remove victim to fresh

Section 4. First aid measures

	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.
Prime-It II 5X dCTP Buffer	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.
Prime-It II 5X dATP Buffer	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.
Exo (-) Klenow	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.
Stop Mix	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.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact	: Control DNA Random 9-mer Primers Prime-It II 5X dCTP Buffer Prime-It II 5X dATP Buffer Exo (-) Klenow Stop Mix	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. Causes serious eye irritation.
Inhalation	: Control DNA Random 9-mer Primers Prime-It II 5X dCTP Buffer Prime-It II 5X dATP Buffer Exo (-) Klenow Stop Mix	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.

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Skin contact	: <input checked="" type="checkbox"/> Control DNA Random 9-mer Primers Prime-It II 5X dCTP Buffer Prime-It II 5X dATP Buffer Exo (-) Klenow Stop Mix	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
Ingestion	: <input checked="" type="checkbox"/> Control DNA Random 9-mer Primers Prime-It II 5X dCTP Buffer Prime-It II 5X dATP Buffer Exo (-) Klenow Stop Mix	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact	: <input checked="" type="checkbox"/> Control DNA Random 9-mer Primers Prime-It II 5X dCTP Buffer Prime-It II 5X dATP Buffer Exo (-) Klenow Stop Mix	No specific data. No specific data. No specific data. No specific data. No specific data. Adverse symptoms may include the following: pain or irritation watering redness
Inhalation	: <input checked="" type="checkbox"/> Control DNA Random 9-mer Primers Prime-It II 5X dCTP Buffer Prime-It II 5X dATP Buffer Exo (-) Klenow Stop Mix	No specific data. No specific data. No specific data. No specific data. No specific data. No specific data.
Skin contact	: <input checked="" type="checkbox"/> Control DNA Random 9-mer Primers Prime-It II 5X dCTP Buffer Prime-It II 5X dATP Buffer Exo (-) Klenow Stop Mix	No specific data. No specific data. No specific data. No specific data. No specific data. No specific data.
Ingestion	: <input checked="" type="checkbox"/> Control DNA Random 9-mer Primers Prime-It II 5X dCTP Buffer Prime-It II 5X dATP Buffer Exo (-) Klenow Stop Mix	No specific data. No specific data. 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	: <input checked="" type="checkbox"/> Control DNA	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	Random 9-mer Primers	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	Prime-It II 5X dCTP Buffer	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.
	Prime-It II 5X dATP Buffer	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.
	Exo (-) Klenow	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	Stop Mix	In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed

Section 4. First aid measures

Specific treatments	: Control DNA Random 9-mer Primers Prime-It II 5X dCTP Buffer Prime-It II 5X dATP Buffer Exo (-) Klenow Stop Mix	person may need to be kept under medical surveillance for 48 hours. No specific treatment. No specific treatment. No specific treatment. No specific treatment. No specific treatment.
Protection of first-aiders	: Control DNA Random 9-mer Primers Prime-It II 5X dCTP Buffer Prime-It II 5X dATP Buffer Exo (-) Klenow Stop Mix	No action shall be taken involving any personal risk or without suitable training. No action shall be taken involving any personal risk or without suitable training. No action shall be taken involving any personal risk or without suitable training. No action shall be taken involving any personal risk or without suitable training. No action shall be taken involving any personal risk or without suitable training. No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

See toxicological information (Section 11)

Section 5. Firefighting measures

Extinguishing media

Suitable extinguishing media	: Control DNA Random 9-mer Primers Prime-It II 5X dCTP Buffer Prime-It II 5X dATP Buffer Exo (-) Klenow Stop Mix	Use an extinguishing agent suitable for the surrounding fire. Use an extinguishing agent suitable for the surrounding fire. Use an extinguishing agent suitable for the surrounding fire. Use an extinguishing agent suitable for the surrounding fire. Use an extinguishing agent suitable for the surrounding fire. Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media	: Control DNA Random 9-mer Primers Prime-It II 5X dCTP Buffer Prime-It II 5X dATP Buffer Exo (-) Klenow Stop Mix	None known. None known. None known. None known. None known.
Specific hazards arising from the chemical	: Control DNA Random 9-mer Primers Prime-It II 5X dCTP Buffer Prime-It II 5X dATP Buffer Exo (-) Klenow Stop Mix	In a fire or if heated, a pressure increase will occur and the container may burst. In a fire or if heated, a pressure increase will occur and the container may burst. In a fire or if heated, a pressure increase will occur and the container may burst. In a fire or if heated, a pressure increase will occur and the container may burst. In a fire or if heated, a pressure increase will occur and the container may burst. In a fire or if heated, a pressure increase will occur and the container may burst.

Section 5. Firefighting measures



Hazardous thermal decomposition products	: Control DNA	No specific data.
	Random 9-mer Primers	No specific data.
	Prime-It II 5X dCTP Buffer	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides halogenated compounds
	Prime-It II 5X dATP Buffer	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides halogenated compounds
	Exo (-) Klenow	Decomposition products may include the following materials: carbon dioxide carbon monoxide
	Stop Mix	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides
Special protective actions for fire-fighters	: Control 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.
	Random 9-mer Primers	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.
	Prime-It II 5X dCTP Buffer	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.
	Prime-It II 5X dATP Buffer	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.
	Exo (-) Klenow	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.
	Stop Mix	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	: Control DNA	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
	Random 9-mer Primers	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
	Prime-It II 5X dCTP Buffer	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
	Prime-It II 5X dATP Buffer	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive

Section 5. Firefighting measures

Exo (-) Klenow	pressure mode. Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
Stop Mix	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	:  Control 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.
	Random 9-mer Primers	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.
	Prime-It II 5X dCTP Buffer	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.
	Prime-It II 5X dATP Buffer	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.
	Exo (-) Klenow	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.
	Stop Mix	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.
For emergency responders	:  Control DNA	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".
	Random 9-mer Primers	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".
	Prime-It II 5X dCTP Buffer	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".

Section 6. Accidental release measures

Prime-It II 5X dATP Buffer	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".
Exo (-) Klenow	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".
Stop Mix	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 : Control DNA

Random 9-mer Primers	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).
Prime-It II 5X dCTP Buffer	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).
Prime-It II 5X dATP Buffer	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).
Exo (-) Klenow	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).
Stop Mix	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 : Control DNA

Random 9-mer Primers	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.
Prime-It II 5X dCTP Buffer	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.


Section 6. Accidental release measures

Prime-It II 5X dATP Buffer	disposal contractor. Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
Exo (-) Klenow	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.
Stop Mix	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

:  Control DNA	Put on appropriate personal protective equipment (see Section 8).
Random 9-mer Primers	Put on appropriate personal protective equipment (see Section 8).
Prime-It II 5X dCTP Buffer	Put on appropriate personal protective equipment (see Section 8).
Prime-It II 5X dATP Buffer	Put on appropriate personal protective equipment (see Section 8).
Exo (-) Klenow	Put on appropriate personal protective equipment (see Section 8).
Stop Mix	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.

Advice on general occupational hygiene

:  Control 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.
Random 9-mer Primers	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.
Prime-It II 5X dCTP Buffer	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.
Prime-It II 5X dATP Buffer	Eating, drinking and smoking should be prohibited in

Section 7. Handling and storage

Exo (-) Klenow

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.

Stop Mix

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.

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 :  Control DNA

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.

Random 9-mer Primers

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.

Prime-It II 5X dCTP Buffer

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.

Prime-It II 5X dATP Buffer

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

Section 7. Handling and storage

Exo (-) Klenow

environmental contamination. See Section 10 for 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.

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.

Stop Mix

Section 8. Exposure controls and personal protection

Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
Exo (-) Klenow 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

: 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	: Control DNA	Liquid.
	Random 9-mer Primers	Liquid.
	Prime-It II 5X dCTP Buffer	Liquid.
	Prime-It II 5X dATP Buffer	Liquid.
	Exo (-) Klenow	Liquid.
	Stop Mix	Liquid.
Colour	: Control DNA	Not available.
	Random 9-mer Primers	Not available.
	Prime-It II 5X dCTP Buffer	Not available.
	Prime-It II 5X dATP Buffer	Not available.
	Exo (-) Klenow	Not available.
	Stop Mix	Not available.
Odour	: Control DNA	Not available.
	Random 9-mer Primers	Not available.
	Prime-It II 5X dCTP Buffer	Not available.
	Prime-It II 5X dATP Buffer	Not available.
	Exo (-) Klenow	Not available.
	Stop Mix	Not available.
Odour threshold	: Control DNA	Not available.
	Random 9-mer Primers	Not available.
	Prime-It II 5X dCTP Buffer	Not available.
	Prime-It II 5X dATP Buffer	Not available.
	Exo (-) Klenow	Not available.
	Stop Mix	Not available.
pH	: Control DNA	7.5
	Random 9-mer Primers	7.5
	Prime-It II 5X dCTP Buffer	7.5
	Prime-It II 5X dATP Buffer	7.5
	Exo (-) Klenow	7
	Stop Mix	8
Melting point	: Control DNA	0°C (32°F)
	Random 9-mer Primers	0°C (32°F)
	Prime-It II 5X dCTP Buffer	0°C (32°F)
	Prime-It II 5X dATP Buffer	0°C (32°F)
	Exo (-) Klenow	Not available.
	Stop Mix	Not available.

Section 9. Physical and chemical properties

Boiling point	: Control DNA	100°C (212°F)
	Random 9-mer Primers	100°C (212°F)
	Prime-It II 5X dCTP Buffer	100°C (212°F)
	Prime-It II 5X dATP Buffer	100°C (212°F)
	Exo (-) Klenow	Not available.
Flash point	: Control DNA	Not available.
	Random 9-mer Primers	Not available.
	Prime-It II 5X dCTP Buffer	Not available.
	Prime-It II 5X dATP Buffer	Not available.
	Exo (-) Klenow	Not available.
Evaporation rate	: Control DNA	Not available.
	Random 9-mer Primers	Not available.
	Prime-It II 5X dCTP Buffer	Not available.
	Prime-It II 5X dATP Buffer	Not available.
	Exo (-) Klenow	Not available.
Flammability (solid, gas)	: Control DNA	Not applicable.
	Random 9-mer Primers	Not applicable.
	Prime-It II 5X dCTP Buffer	Not applicable.
	Prime-It II 5X dATP Buffer	Not applicable.
	Exo (-) Klenow	Not applicable.
Lower and upper explosive (flammable) limits	: Control DNA	Not available.
	Random 9-mer Primers	Not available.
	Prime-It II 5X dCTP Buffer	Not available.
	Prime-It II 5X dATP Buffer	Not available.
	Exo (-) Klenow	Not available.
Vapour pressure	: Control DNA	Not available.
	Random 9-mer Primers	Not available.
	Prime-It II 5X dCTP Buffer	Not available.
	Prime-It II 5X dATP Buffer	Not available.
	Exo (-) Klenow	Not available.
Vapour density	: Control DNA	Not available.
	Random 9-mer Primers	Not available.
	Prime-It II 5X dCTP Buffer	Not available.
	Prime-It II 5X dATP Buffer	Not available.
	Exo (-) Klenow	Not available.
Relative density	: Control DNA	Not available.
	Random 9-mer Primers	Not available.
	Prime-It II 5X dCTP Buffer	Not available.
	Prime-It II 5X dATP Buffer	Not available.
	Exo (-) Klenow	Not available.
Solubility	: Control DNA	Easily soluble in the following materials: cold water and hot water.
	Random 9-mer Primers	Easily soluble in the following materials: cold water and hot water.
	Prime-It II 5X dCTP Buffer	Easily soluble in the following materials: cold water and hot water.
	Prime-It II 5X dATP Buffer	Easily soluble in the following materials: cold water and hot water.
	Exo (-) Klenow	Soluble in the following materials: cold water and hot water.
	Stop Mix	Easily soluble in the following materials: cold water and hot water.

Section 9. Physical and chemical properties

Partition coefficient: n-octanol/water	: <input checked="" type="checkbox"/> Control DNA	Not available.
	Random 9-mer Primers	Not available.
	Prime-It II 5X dCTP Buffer	Not available.
	Prime-It II 5X dATP Buffer	Not available.
	Exo (-) Klenow	Not available.
	Stop Mix	Not available.
Auto-ignition temperature	: <input checked="" type="checkbox"/> Control DNA	Not available.
	Random 9-mer Primers	Not available.
	Prime-It II 5X dCTP Buffer	Not available.
	Prime-It II 5X dATP Buffer	Not available.
	Exo (-) Klenow	Not available.
	Stop Mix	Not available.
Decomposition temperature	: <input checked="" type="checkbox"/> Control DNA	Not available.
	Random 9-mer Primers	Not available.
	Prime-It II 5X dCTP Buffer	Not available.
	Prime-It II 5X dATP Buffer	Not available.
	Exo (-) Klenow	Not available.
	Stop Mix	Not available.
Viscosity	: <input checked="" type="checkbox"/> Control DNA	Not available.
	Random 9-mer Primers	Not available.
	Prime-It II 5X dCTP Buffer	Not available.
	Prime-It II 5X dATP Buffer	Not available.
	Exo (-) Klenow	Not available.
	Stop Mix	Not available.

Section 10. Stability and reactivity

Reactivity	: <input checked="" type="checkbox"/> Control DNA	No specific test data related to reactivity available for this product or its ingredients.
	Random 9-mer Primers	No specific test data related to reactivity available for this product or its ingredients.
	Prime-It II 5X dCTP Buffer	No specific test data related to reactivity available for this product or its ingredients.
	Prime-It II 5X dATP Buffer	No specific test data related to reactivity available for this product or its ingredients.
	Exo (-) Klenow	No specific test data related to reactivity available for this product or its ingredients.
	Stop Mix	No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	: <input checked="" type="checkbox"/> Control DNA	The product is stable.
	Random 9-mer Primers	The product is stable.
	Prime-It II 5X dCTP Buffer	The product is stable.
	Prime-It II 5X dATP Buffer	The product is stable.
	Exo (-) Klenow	The product is stable.
	Stop Mix	The product is stable.
Possibility of hazardous reactions	: <input checked="" type="checkbox"/> Control DNA	Under normal conditions of storage and use, hazardous reactions will not occur.
	Random 9-mer Primers	Under normal conditions of storage and use, hazardous reactions will not occur.
	Prime-It II 5X dCTP Buffer	Under normal conditions of storage and use, hazardous reactions will not occur.
	Prime-It II 5X dATP Buffer	Under normal conditions of storage and use, hazardous reactions will not occur.
	Exo (-) Klenow	Under normal conditions of storage and use, hazardous reactions will not occur.
	Stop Mix	Under normal conditions of storage and use, hazardous reactions will not occur.

Section 10. Stability and reactivity

Conditions to avoid	: Control DNA Random 9-mer Primers Prime-It II 5X dCTP Buffer Prime-It II 5X dATP Buffer Exo (-) Klenow Stop Mix	No specific data. No specific data. No specific data. No specific data. No specific data. No specific data.
Incompatible materials	: Control DNA Random 9-mer Primers Prime-It II 5X dCTP Buffer Prime-It II 5X dATP Buffer Exo (-) Klenow Stop Mix	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. May react or be incompatible with oxidising materials. May react or be incompatible with oxidising materials.
Hazardous decomposition products	: Control DNA Random 9-mer Primers Prime-It II 5X dCTP Buffer Prime-It II 5X dATP Buffer Exo (-) Klenow Stop Mix	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. 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

Product/ingredient name	Result	Species	Dose	Exposure
Exo (-) Klenow Glycerol	LD50 Oral	Rat	12600 mg/kg	-

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Exo (-) Klenow 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.

Section 11. Toxicological information

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	:	Control DNA	Not available.
		Random 9-mer Primers	Not available.
		Prime-It II 5X dCTP Buffer	Routes of entry anticipated: Oral, Dermal, Inhalation.
		Prime-It II 5X dATP Buffer	Routes of entry anticipated: Oral, Dermal, Inhalation.
		Exo (-) Klenow	Routes of entry anticipated: Oral, Dermal, Inhalation.
	Stop Mix	Routes of entry anticipated: Oral, Dermal, Inhalation.	

Potential acute health effects

Eye contact	:	Control DNA	No known significant effects or critical hazards.
		Random 9-mer Primers	No known significant effects or critical hazards.
		Prime-It II 5X dCTP Buffer	No known significant effects or critical hazards.
		Prime-It II 5X dATP Buffer	No known significant effects or critical hazards.
		Exo (-) Klenow	No known significant effects or critical hazards.
	Stop Mix	Causes serious eye irritation.	
Inhalation	:	Control DNA	No known significant effects or critical hazards.
		Random 9-mer Primers	No known significant effects or critical hazards.
		Prime-It II 5X dCTP Buffer	No known significant effects or critical hazards.
		Prime-It II 5X dATP Buffer	No known significant effects or critical hazards.
		Exo (-) Klenow	No known significant effects or critical hazards.
	Stop Mix	No known significant effects or critical hazards.	
Skin contact	:	Control DNA	No known significant effects or critical hazards.
		Random 9-mer Primers	No known significant effects or critical hazards.
		Prime-It II 5X dCTP Buffer	No known significant effects or critical hazards.
		Prime-It II 5X dATP Buffer	No known significant effects or critical hazards.
		Exo (-) Klenow	No known significant effects or critical hazards.
	Stop Mix	No known significant effects or critical hazards.	
Ingestion	:	Control DNA	No known significant effects or critical hazards.
		Random 9-mer Primers	No known significant effects or critical hazards.
		Prime-It II 5X dCTP Buffer	No known significant effects or critical hazards.
		Prime-It II 5X dATP Buffer	No known significant effects or critical hazards.
		Exo (-) Klenow	No known significant effects or critical hazards.
	Stop Mix	No known significant effects or critical hazards.	

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact	:	Control DNA	No specific data.
		Random 9-mer Primers	No specific data.
		Prime-It II 5X dCTP Buffer	No specific data.
		Prime-It II 5X dATP Buffer	No specific data.
		Exo (-) Klenow	No specific data.
		Stop Mix	Adverse symptoms may include the following: pain or irritation watering redness

Section 11. Toxicological information

Inhalation	: <input checked="" type="checkbox"/> Control DNA Random 9-mer Primers Prime-It II 5X dCTP Buffer Prime-It II 5X dATP Buffer Exo (-) Klenow Stop Mix	No specific data. No specific data. No specific data. No specific data. No specific data.
Skin contact	: <input checked="" type="checkbox"/> Control DNA Random 9-mer Primers Prime-It II 5X dCTP Buffer Prime-It II 5X dATP Buffer Exo (-) Klenow Stop Mix	No specific data. No specific data. No specific data. No specific data. No specific data.
Ingestion	: <input checked="" type="checkbox"/> Control DNA Random 9-mer Primers Prime-It II 5X dCTP Buffer Prime-It II 5X dATP Buffer Exo (-) Klenow Stop Mix	No specific data. No specific data. No specific data. No specific data. 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	: <input checked="" type="checkbox"/> Control DNA Random 9-mer Primers Prime-It II 5X dCTP Buffer Prime-It II 5X dATP Buffer Exo (-) Klenow Stop Mix	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
Carcinogenicity	: <input checked="" type="checkbox"/> Control DNA Random 9-mer Primers Prime-It II 5X dCTP Buffer Prime-It II 5X dATP Buffer Exo (-) Klenow Stop Mix	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
Mutagenicity	: <input checked="" type="checkbox"/> Control DNA Random 9-mer Primers Prime-It II 5X dCTP Buffer Prime-It II 5X dATP Buffer Exo (-) Klenow Stop Mix	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
Teratogenicity	: <input checked="" type="checkbox"/> Control DNA Random 9-mer Primers Prime-It II 5X dCTP Buffer Prime-It II 5X dATP Buffer Exo (-) Klenow Stop Mix	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.

Section 11. Toxicological information

Developmental effects	: Control DNA	No known significant effects or critical hazards.
	Random 9-mer Primers	No known significant effects or critical hazards.
	Prime-It II 5X dCTP Buffer	No known significant effects or critical hazards.
	Prime-It II 5X dATP Buffer	No known significant effects or critical hazards.
	Exo (-) Klenow	No known significant effects or critical hazards.
Fertility effects	: Control DNA	No known significant effects or critical hazards.
	Random 9-mer Primers	No known significant effects or critical hazards.
	Prime-It II 5X dCTP Buffer	No known significant effects or critical hazards.
	Prime-It II 5X dATP Buffer	No known significant effects or critical hazards.
	Exo (-) Klenow	No known significant effects or critical hazards.
	Stop Mix	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
Exo (-) Klenow Glycerol	Acute LC50 54000 mg/l Fresh water	Fish - Oncorhynchus mykiss	96 hours
Stop Mix Edetic acid	Acute EC50 113000 µg/l Fresh water	Daphnia - Daphnia magna - Neonate	48 hours
	Acute LC50 41000 µg/l Fresh water	Fish - Lepomis macrochirus	96 hours

Persistence and degradability

Product/ingredient name	Test	Result	Dose	Inoculum
Exo (-) Klenow Glycerol	301D Ready Biodegradability - Closed Bottle Test	93 % - 30 days	-	-

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
Stop Mix Edetic acid	-	-	Not readily

Bioaccumulative potential

Product/ingredient name	LogP _{ow}	BCF	Potential
Exo (-) Klenow Glycerol	-1.76	-	low
Stop Mix Edetic acid	-3.86	1.8	low

Mobility in soil

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

Section 12. Ecological information

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



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.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

Inventory list

- | | |
|------------------|--|
| Australia | : Not determined. |
| Canada | : Not determined. |
| China | : All components are listed or exempted. |
| Europe | : All components are listed or exempted. |
| Japan | : Japan inventory (ENCS): Not determined.
Japan inventory (ISHL): Not determined. |
| Malaysia | : Not determined. |

Section 15. Regulatory information

New Zealand	: Not determined.
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	: All components are listed or exempted.
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	: 04/09/2015.
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

Procedure used to derive the classification

Classification	Justification
Stop Mix Eye Irrit. 2A, H319	Calculation method

References : Not available.

Indicates information that has changed from previously issued version.

Notice to reader

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