

# SAFETY DATA SHEET



PCR-RFLP Fish Species ID Kit, Part Number 5500-0001

## Section 1. Identification

<b>Product identifier</b>	: PCR-RFLP Fish Species ID Kit, Part Number 5500-0001	
<b>Part no. (chemical kit)</b>	: 5500-0001	
<b>Part no.</b>	: <input checked="" type="checkbox"/> PCR Master Mix	5190-2345
	10X PCR Primer Mix	5190-2346
	60 mM EDTA	5190-2354
	10X Ddel Buffer	5190-2348
	10X NlaIII/HaeIII Buffer	5190-2347
	100X BSA	5190-2352
	10X Ddel Restriction Enzyme	5190-2350
	10X NlaIII Restriction Enzyme	5190-2351
	10X HaeIII Restriction Enzyme	5190-2349
	Positive Control Salmon DNA	5190-2353
	Nuclease Free Water	5190-2355

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

<b>Material uses</b>	: Analytical reagent.	
	<input checked="" type="checkbox"/> PCR Master Mix	1.25 ml
	10X PCR Primer Mix	0.25 ml
	60 mM EDTA	0.3 ml
	10X Ddel Buffer	0.05 ml
	10X NlaIII/HaeIII Buffer	0.1 ml
	100X BSA	0.1 ml
	10X Ddel Restriction Enzyme	0.05 ml
	10X NlaIII Restriction Enzyme	0.05 ml
	10X HaeIII Restriction Enzyme	0.05 ml
	Positive Control Salmon DNA	0.01 ml (250 ng/μl 10 μl)
	Nuclease Free Water	0.11 ml

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

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

## Section 2. Hazard(s) identification

### Classification of the substance or mixture

<input checked="" type="checkbox"/> 10X Ddel Buffer	H412	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3
<input checked="" type="checkbox"/> 10X NlaIII/HaeIII Buffer		Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 3.6%
100X BSA		Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 1%

### GHS label elements

## Section 2. Hazard(s) identification

<b>Signal word</b>	: <input checked="" type="checkbox"/> PCR Master Mix 10X PCR Primer Mix 60 mM EDTA 10X Ddel Buffer 10X NlaIII/HaeIII Buffer 100X BSA 10X Ddel Restriction Enzyme 10X NlaIII Restriction Enzyme 10X HaeIII Restriction Enzyme Positive Control Salmon DNA Nuclease Free Water	No signal word. No signal word. No signal word. No signal word. No signal word. No signal word. No signal word. No signal word. No signal word. No signal word. No signal word. No signal word. No signal word.
<b>Hazard statements</b>	: <input checked="" type="checkbox"/> PCR Master Mix 10X PCR Primer Mix 60 mM EDTA 10X Ddel Buffer 10X NlaIII/HaeIII Buffer 100X BSA 10X Ddel Restriction Enzyme 10X NlaIII Restriction Enzyme 10X HaeIII Restriction Enzyme Positive Control Salmon DNA Nuclease Free Water	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. H412 - Harmful to aquatic life with long lasting effects. 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. No known significant effects or critical hazards. No known significant effects or critical hazards.
<b><u>Precautionary statements</u></b>		
<b>Prevention</b>	: <input checked="" type="checkbox"/> PCR Master Mix 10X PCR Primer Mix 60 mM EDTA 10X Ddel Buffer 10X NlaIII/HaeIII Buffer 100X BSA 10X Ddel Restriction Enzyme 10X NlaIII Restriction Enzyme 10X HaeIII Restriction Enzyme Positive Control Salmon DNA Nuclease Free Water	Not applicable. Not applicable. Not applicable. P273 - Avoid release to the environment. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable.
<b>Response</b>	: <input checked="" type="checkbox"/> PCR Master Mix 10X PCR Primer Mix 60 mM EDTA 10X Ddel Buffer 10X NlaIII/HaeIII Buffer 100X BSA 10X Ddel Restriction Enzyme 10X NlaIII Restriction Enzyme 10X HaeIII Restriction Enzyme Positive Control Salmon DNA Nuclease Free Water	Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable.
<b>Storage</b>	: <input checked="" type="checkbox"/> PCR Master Mix 10X PCR Primer Mix 60 mM EDTA 10X Ddel Buffer 10X NlaIII/HaeIII Buffer 100X BSA 10X Ddel Restriction Enzyme 10X NlaIII Restriction Enzyme	Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable.

## Section 2. Hazard(s) identification

	10X HaeIII Restriction Enzyme	Not applicable.
	Positive Control Salmon DNA	Not applicable.
	Nuclease Free Water	Not applicable.
<b>Disposal</b>	: <input checked="" type="checkbox"/> PCR Master Mix	Not applicable.
	10X PCR Primer Mix	Not applicable.
	60 mM EDTA	Not applicable.
	10X Ddel Buffer	P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
	10X NlaIII/HaeIII Buffer	Not applicable.
	100X BSA	Not applicable.
	10X Ddel Restriction Enzyme	Not applicable.
	10X NlaIII Restriction Enzyme	Not applicable.
	10X HaeIII Restriction Enzyme	Not applicable.
	Positive Control Salmon DNA	Not applicable.
	Nuclease Free Water	Not applicable.
<b>Supplemental label elements</b>		
<b>Additional warning phrases</b>	: <input checked="" type="checkbox"/> PCR Master Mix	Not applicable.
	10X PCR Primer Mix	Not applicable.
	60 mM EDTA	Not applicable.
	10X Ddel Buffer	Not applicable.
	10X NlaIII/HaeIII Buffer	Not applicable.
	100X BSA	Not applicable.
	10X Ddel Restriction Enzyme	Not applicable.
	10X NlaIII Restriction Enzyme	Not applicable.
	10X HaeIII Restriction Enzyme	Not applicable.
	Positive Control Salmon DNA	Not applicable.
	Nuclease Free Water	Not applicable.
<b>Other hazards which do not result in classification</b>	: <input checked="" type="checkbox"/> PCR Master Mix	None known.
	10X PCR Primer Mix	None known.
	60 mM EDTA	None known.
	10X Ddel Buffer	None known.
	10X NlaIII/HaeIII Buffer	None known.
	100X BSA	None known.
	10X Ddel Restriction Enzyme	None known.
	10X NlaIII Restriction Enzyme	None known.
	10X HaeIII Restriction Enzyme	None known.
	Positive Control Salmon DNA	None known.
	Nuclease Free Water	None known.

## Section 3. Composition and ingredient information

<b>Substance/mixture</b>	: <input checked="" type="checkbox"/> PCR Master Mix	Mixture
	10X PCR Primer Mix	Mixture
	60 mM EDTA	Mixture
	10X Ddel Buffer	Mixture
	10X NlaIII/HaeIII Buffer	Mixture
	100X BSA	Mixture
	10X Ddel Restriction Enzyme	Mixture
	10X NlaIII Restriction Enzyme	Mixture
	10X HaeIII Restriction Enzyme	Mixture

## Section 3. Composition and ingredient information

Positive Control Salmon DNA Mixture  
Nuclease Free Water Substance

### [CAS number/other identifiers](#)

Ingredient name	% (w/w)	CAS number
<b>2X PCR Master Mix</b> Glycerol	≤3	56-81-5
<b>10X Ddel Buffer</b> Magnesium chloride	<2.5	7786-30-3
<b>100X BSA</b> Glycerol	≤10	56-81-5
<b>10X Ddel Restriction Enzyme</b> Glycerol	≥30 - ≤60	56-81-5
<b>10X NlaIII Restriction Enzyme</b> Glycerol	≥30 - ≤60	56-81-5
<b>10X HaeIII Restriction Enzyme</b> Glycerol	≥30 - ≤60	56-81-5
<b>Nuclease Free Water</b> water	100	7732-18-5

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


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

## Section 4. First aid measures


### [Description of necessary first aid measures](#)

<b>Eye contact</b>	: <b>2X PCR Master Mix</b>	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.
	10X PCR Primer Mix	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.
	60 mM EDTA	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.
	10X Ddel Buffer	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 if irritation occurs.
	10X NlaIII/HaeIII 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.
	100X BSA	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.
	10X Ddel Restriction Enzyme	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids.

## Section 4. First aid measures

	10X NlaIII Restriction Enzyme	Check for and remove any contact lenses. Get medical attention if irritation occurs. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
	10X HaeIII Restriction Enzyme	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.
	Positive Control Salmon 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.
	Nuclease Free Water	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.
<b>Inhalation</b>	:  PCR Master Mix	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	10X PCR Primer Mix	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	60 mM EDTA	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.
	10X DdeI Buffer	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.
	10X NlaIII/HaeIII 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.
	100X BSA	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.
	10X DdeI Restriction Enzyme	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	10X NlaIII Restriction Enzyme	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

## Section 4. First aid measures

	10X HaeIII Restriction Enzyme	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	Positive Control Salmon DNA	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	Nuclease Free Water	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
<b>Skin contact</b>	:  PCR Master Mix	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	10X PCR Primer Mix	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	60 mM EDTA	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	10X Ddel Buffer	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.
	10X NlaIII/HaeIII Buffer	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	100X BSA	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	10X Ddel Restriction Enzyme	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	10X NlaIII Restriction Enzyme	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	10X HaeIII Restriction Enzyme	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	Positive Control Salmon DNA	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	Nuclease Free Water	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
<b>Ingestion</b>	:  PCR Master Mix	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
	10X PCR Primer Mix	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
	60 mM EDTA	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
	10X Ddel Buffer	Wash out mouth with water. Remove dentures if any. 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

## Section 4. First aid measures

	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.
10X NlaIII/HaeIII Buffer	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
100X BSA	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
10X Ddel Restriction Enzyme	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
10X NlaIII Restriction Enzyme	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
10X HaeIII Restriction Enzyme	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
Positive Control Salmon DNA	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
Nuclease Free Water	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

### Most important symptoms/effects, acute and delayed

#### Potential acute health effects

<b>Eye contact</b>	:	2X PCR Master Mix	No known significant effects or critical hazards.
		10X PCR Primer Mix	No known significant effects or critical hazards.
		60 mM EDTA	No known significant effects or critical hazards.
		10X Ddel Buffer	No known significant effects or critical hazards.
		10X NlaIII/HaeIII Buffer	No known significant effects or critical hazards.
		100X BSA	No known significant effects or critical hazards.
		10X Ddel Restriction Enzyme	No known significant effects or critical hazards.
		10X NlaIII Restriction Enzyme	No known significant effects or critical hazards.
		10X HaeIII Restriction Enzyme	No known significant effects or critical hazards.
		Positive Control Salmon DNA	No known significant effects or critical hazards.
		Nuclease Free Water	No known significant effects or critical hazards.

## Section 4. First aid measures

<b>Inhalation</b>	: <input checked="" type="checkbox"/> PCR Master Mix 10X PCR Primer Mix 60 mM EDTA 10X Ddel Buffer 10X NlaIII/HaeIII Buffer 100X BSA 10X Ddel Restriction Enzyme 10X NlaIII Restriction Enzyme 10X HaeIII Restriction Enzyme Positive Control Salmon DNA Nuclease Free Water	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. 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.
<b>Skin contact</b>	: <input checked="" type="checkbox"/> PCR Master Mix 10X PCR Primer Mix 60 mM EDTA 10X Ddel Buffer 10X NlaIII/HaeIII Buffer 100X BSA 10X Ddel Restriction Enzyme 10X NlaIII Restriction Enzyme 10X HaeIII Restriction Enzyme Positive Control Salmon DNA Nuclease Free Water	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. 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.
<b>Ingestion</b>	: <input checked="" type="checkbox"/> PCR Master Mix 10X PCR Primer Mix 60 mM EDTA 10X Ddel Buffer 10X NlaIII/HaeIII Buffer 100X BSA 10X Ddel Restriction Enzyme 10X NlaIII Restriction Enzyme 10X HaeIII Restriction Enzyme Positive Control Salmon DNA Nuclease Free Water	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. 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

<b>Eye contact</b>	: <input checked="" type="checkbox"/> PCR Master Mix 10X PCR Primer Mix 60 mM EDTA 10X Ddel Buffer 10X NlaIII/HaeIII Buffer 100X BSA 10X Ddel Restriction Enzyme 10X NlaIII Restriction Enzyme 10X HaeIII Restriction Enzyme Positive Control Salmon DNA Nuclease Free Water	No specific data. No specific data. No specific data. No specific data. No specific data. No specific data. No specific data. No specific data. No specific data. No specific data. No specific data.
<b>Inhalation</b>	: <input checked="" type="checkbox"/> PCR Master Mix 10X PCR Primer Mix 60 mM EDTA 10X Ddel Buffer 10X NlaIII/HaeIII Buffer 100X BSA 10X Ddel Restriction Enzyme 10X NlaIII Restriction Enzyme	No specific data. No specific data. No specific data. No specific data. No specific data. No specific data. No specific data. No specific data.

## Section 4. First aid measures

	10X HaeIII Restriction Enzyme	No specific data.
	Positive Control Salmon DNA	No specific data.
	Nuclease Free Water	No specific data.
<b>Skin contact</b>	: <input checked="" type="checkbox"/> PCR Master Mix	No specific data.
	10X PCR Primer Mix	No specific data.
	60 mM EDTA	No specific data.
	10X Ddel Buffer	No specific data.
	10X NlaIII/HaeIII Buffer	No specific data.
	100X BSA	No specific data.
	10X Ddel Restriction Enzyme	No specific data.
	10X NlaIII Restriction Enzyme	No specific data.
	10X HaeIII Restriction Enzyme	No specific data.
	Positive Control Salmon DNA	No specific data.
	Nuclease Free Water	No specific data.
<b>Ingestion</b>	: <input checked="" type="checkbox"/> PCR Master Mix	No specific data.
	10X PCR Primer Mix	No specific data.
	60 mM EDTA	No specific data.
	10X Ddel Buffer	No specific data.
	10X NlaIII/HaeIII Buffer	No specific data.
	100X BSA	No specific data.
	10X Ddel Restriction Enzyme	No specific data.
	10X NlaIII Restriction Enzyme	No specific data.
	10X HaeIII Restriction Enzyme	No specific data.
	Positive Control Salmon DNA	No specific data.
	Nuclease Free Water	No specific data.

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

<b>Notes to physician</b>	: <input checked="" type="checkbox"/> PCR Master Mix	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	10X PCR Primer Mix	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	60 mM EDTA	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.
	10X Ddel 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.
	10X NlaIII/HaeIII 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.
	100X BSA	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.
	10X Ddel Restriction Enzyme	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	10X NlaIII Restriction Enzyme	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	10X HaeIII Restriction Enzyme	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

## Section 4. First aid measures

	Positive Control Salmon DNA	ingested or inhaled. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	Nuclease Free Water	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
<b>Specific treatments</b>	: <input checked="" type="checkbox"/> PCR Master Mix	No specific treatment.
	10X PCR Primer Mix	No specific treatment.
	60 mM EDTA	No specific treatment.
	10X Ddel Buffer	No specific treatment.
	10X NlaIII/HaeIII Buffer	No specific treatment.
	100X BSA	No specific treatment.
	10X Ddel Restriction Enzyme	No specific treatment.
	10X NlaIII Restriction Enzyme	No specific treatment.
	10X HaeIII Restriction Enzyme	No specific treatment.
	Positive Control Salmon DNA	No specific treatment.
	Nuclease Free Water	No specific treatment.
<b>Protection of first-aiders</b>	: <input checked="" type="checkbox"/> PCR Master Mix	No action shall be taken involving any personal risk or without suitable training.
	10X PCR Primer Mix	No action shall be taken involving any personal risk or without suitable training.
	60 mM EDTA	No action shall be taken involving any personal risk or without suitable training.
	10X Ddel Buffer	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.
	10X NlaIII/HaeIII Buffer	No action shall be taken involving any personal risk or without suitable training.
	100X BSA	No action shall be taken involving any personal risk or without suitable training.
	10X Ddel Restriction Enzyme	No action shall be taken involving any personal risk or without suitable training.
	10X NlaIII Restriction Enzyme	No action shall be taken involving any personal risk or without suitable training.
	10X HaeIII Restriction Enzyme	No action shall be taken involving any personal risk or without suitable training.
	Positive Control Salmon DNA	No action shall be taken involving any personal risk or without suitable training.
	Nuclease Free Water	No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

## Section 5. Firefighting measures

### Extinguishing media

<b>Suitable extinguishing media</b>	: <input checked="" type="checkbox"/> PCR Master Mix	Use an extinguishing agent suitable for the surrounding fire.
	10X PCR Primer Mix	Use an extinguishing agent suitable for the surrounding fire.
	60 mM EDTA	Use an extinguishing agent suitable for the surrounding fire.
	10X Ddel Buffer	Use an extinguishing agent suitable for the surrounding fire.
	10X NlaIII/HaeIII Buffer	Use an extinguishing agent suitable for the surrounding fire.
	100X BSA	Use an extinguishing agent suitable for the surrounding fire.

## Section 5. Firefighting measures

	10X Ddel Restriction Enzyme	Use an extinguishing agent suitable for the surrounding fire.
	10X NlaIII Restriction Enzyme	Use an extinguishing agent suitable for the surrounding fire.
	10X HaeIII Restriction Enzyme	Use an extinguishing agent suitable for the surrounding fire.
	Positive Control Salmon DNA	Use an extinguishing agent suitable for the surrounding fire.
	Nuclease Free Water	Use an extinguishing agent suitable for the surrounding fire.
<b>Unsuitable extinguishing media</b>	: <input checked="" type="checkbox"/> 10X PCR Master Mix	None known.
	10X PCR Primer Mix	None known.
	60 mM EDTA	None known.
	10X Ddel Buffer	None known.
	10X NlaIII/HaeIII Buffer	None known.
	100X BSA	None known.
	10X Ddel Restriction Enzyme	None known.
	10X NlaIII Restriction Enzyme	None known.
	10X HaeIII Restriction Enzyme	None known.
	Positive Control Salmon DNA	None known.
	Nuclease Free Water	None known.
<b>Specific hazards arising from the chemical</b>	: <input checked="" type="checkbox"/> 10X PCR Master Mix	In a fire or if heated, a pressure increase will occur and the container may burst.
	10X PCR Primer Mix	In a fire or if heated, a pressure increase will occur and the container may burst.
	60 mM EDTA	In a fire or if heated, a pressure increase will occur and the container may burst.
	10X Ddel Buffer	In a fire or if heated, a pressure increase will occur and the container may burst. This material is harmful to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
	10X NlaIII/HaeIII Buffer	In a fire or if heated, a pressure increase will occur and the container may burst.
	100X BSA	In a fire or if heated, a pressure increase will occur and the container may burst.
	10X Ddel Restriction Enzyme	In a fire or if heated, a pressure increase will occur and the container may burst.
	10X NlaIII Restriction Enzyme	In a fire or if heated, a pressure increase will occur and the container may burst.
	10X HaeIII Restriction Enzyme	In a fire or if heated, a pressure increase will occur and the container may burst.
	Positive Control Salmon DNA	In a fire or if heated, a pressure increase will occur and the container may burst.
	Nuclease Free Water	In a fire or if heated, a pressure increase will occur and the container may burst.
<b>Hazardous thermal decomposition products</b>	: <input checked="" type="checkbox"/> 10X PCR Master Mix	Decomposition products may include the following materials: carbon dioxide carbon monoxide
	10X PCR Primer Mix	No specific data.
	60 mM EDTA	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides
	10X Ddel Buffer	Decomposition products may include the following materials:

## Section 5. Firefighting measures

		carbon dioxide carbon monoxide nitrogen oxides halogenated compounds metal oxide/oxides
	10X NlaIII/HaeIII Buffer	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides metal oxide/oxides
	100X BSA	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides sulfur oxides
	10X DdeI Restriction Enzyme	Decomposition products may include the following materials: carbon dioxide carbon monoxide
	10X NlaIII Restriction Enzyme	Decomposition products may include the following materials: carbon dioxide carbon monoxide halogenated compounds metal oxide/oxides
	10X HaeIII Restriction Enzyme	Decomposition products may include the following materials: carbon dioxide carbon monoxide
	Positive Control Salmon DNA Nuclease Free Water	No specific data. No specific data.
<b>Special protective actions for fire-fighters</b>	<b>2X PCR Master Mix</b>	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.
	10X PCR Primer 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.
	60 mM EDTA	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.
	10X DdeI 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.
	10X NlaIII/HaeIII 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.
	100X BSA	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.
	10X DdeI Restriction Enzyme	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.
	10X NlaIII Restriction	Promptly isolate the scene by removing all persons

## Section 5. Firefighting measures

Enzyme	from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
10X HaeIII Restriction Enzyme	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.
Positive Control Salmon 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.
Nuclease Free Water	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.
<b>Special protective equipment for fire-fighters</b>	
: <input checked="" type="checkbox"/> 2X PCR Master Mix	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
10X PCR Primer Mix	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
60 mM EDTA	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
10X Ddel Buffer	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
10X NlaIII/HaeIII Buffer	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
100X BSA	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
10X Ddel Restriction Enzyme	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
10X NlaIII Restriction Enzyme	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
10X HaeIII Restriction Enzyme	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
Positive Control Salmon DNA	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
Nuclease Free Water	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

<b>For non-emergency personnel</b>	: <input checked="" type="checkbox"/> PCR Master 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. Put on appropriate personal protective equipment.
	10X PCR Primer 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. Put on appropriate personal protective equipment.
	60 mM EDTA	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.
	10X Ddel 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. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
	10X NlaIII/HaeIII 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.
	100X BSA	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.
	10X Ddel Restriction Enzyme	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.
	10X NlaIII Restriction Enzyme	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.
	10X HaeIII Restriction Enzyme	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.
	Positive Control Salmon 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.

## Section 6. Accidental release measures

Nuclease Free Water	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.
<b>For emergency responders</b> : <input checked="" type="checkbox"/> PCR Master 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".
10X PCR Primer 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".
60 mM EDTA	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".
10X Ddel 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".
10X NlaIII/HaeIII 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".
100X BSA	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".
10X Ddel Restriction Enzyme	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".
10X NlaIII Restriction Enzyme	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".
10X HaeIII Restriction Enzyme	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".
Positive Control Salmon 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".
Nuclease Free Water	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".
<b>Environmental precautions</b> : <input checked="" type="checkbox"/> PCR Master 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).
10X PCR Primer 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).
60 mM EDTA	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

## Section 6. Accidental release measures

10X Ddel Buffer	Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). 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). Water polluting material. May be harmful to the environment if released in large quantities.
10X NlaIII/HaeIII 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).
100X BSA	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).
10X Ddel Restriction Enzyme	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).
10X NlaIII Restriction Enzyme	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).
10X HaeIII Restriction Enzyme	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).
Positive Control Salmon DNA	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
Nuclease Free Water	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 :  PCR Master 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.

10X PCR Primer 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.

60 mM EDTA

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

10X Ddel 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.
10X NlaIII/HaeIII 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.
100X BSA	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.
10X Ddel Restriction Enzyme	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.
10X NlaIII Restriction Enzyme	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.
10X HaeIII Restriction Enzyme	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.
Positive Control Salmon DNA	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
Nuclease Free Water	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

<b>Protective measures</b>	:	<input checked="" type="checkbox"/> PCR Master Mix	Put on appropriate personal protective equipment (see Section 8).
		10X PCR Primer Mix	Put on appropriate personal protective equipment (see Section 8).
		60 mM EDTA	Put on appropriate personal protective equipment (see Section 8).
		10X Ddel Buffer	Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapour or mist. Avoid release to the environment. Keep in the

## Section 7. Handling and storage

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.

10X NlaIII/HaeIII Buffer Put on appropriate personal protective equipment (see Section 8).

100X BSA Put on appropriate personal protective equipment (see Section 8).

10X DdeI Restriction Enzyme Put on appropriate personal protective equipment (see Section 8).

10X NlaIII Restriction Enzyme Put on appropriate personal protective equipment (see Section 8).

10X HaeIII Restriction Enzyme Put on appropriate personal protective equipment (see Section 8).

Positive Control Salmon DNA Put on appropriate personal protective equipment (see Section 8).

Nuclease Free Water Put on appropriate personal protective equipment (see Section 8).

### Advice on general occupational hygiene

:  PCR Master 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.

10X PCR Primer 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.

60 mM EDTA 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.

10X DdeI 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.

10X NlaIII/HaeIII 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.

100X BSA 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.

10X DdeI Restriction Enzyme Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face

## Section 7. Handling and storage

10X NlaIII Restriction Enzyme

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.

10X HaeIII Restriction Enzyme

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.

Positive Control Salmon 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.

Nuclease Free Water

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** :  PCR Master Mix

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.

10X PCR Primer Mix

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.

60 mM EDTA

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

## Section 7. Handling and storage

10X Ddel Buffer

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.

10X NlaIII/HaeIII 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.

100X BSA

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.

10X Ddel Restriction Enzyme

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.

10X NlaIII Restriction Enzyme

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.

10X HaeIII Restriction Enzyme

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

## Section 7. Handling and storage

Positive Control Salmon DNA

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.

Nuclease Free Water

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

Ingredient name	Exposure limits
<b>2X PCR Master Mix</b> Glycerol	<b>Safe Work Australia (Australia, 12/2019).</b> TWA: 10 mg/m <sup>3</sup> 8 hours.
<b>100X BSA</b> Glycerol	<b>Safe Work Australia (Australia, 12/2019).</b> TWA: 10 mg/m <sup>3</sup> 8 hours.
<b>10X Ddel Restriction Enzyme</b> Glycerol	<b>Safe Work Australia (Australia, 12/2019).</b> TWA: 10 mg/m <sup>3</sup> 8 hours.
<b>10X NlaIII Restriction Enzyme</b> Glycerol	<b>Safe Work Australia (Australia, 12/2019).</b> TWA: 10 mg/m <sup>3</sup> 8 hours.
<b>10X HaeIII Restriction Enzyme</b> Glycerol	<b>Safe Work Australia (Australia, 12/2019).</b> TWA: 10 mg/m <sup>3</sup> 8 hours.

### Appropriate engineering controls

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

## Section 8. Exposure controls and personal protection

- 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: safety glasses with side-shields.
- Skin protection**
- Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
- Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

## Section 9. Physical and chemical properties and safety characteristics

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

### Appearance

<b>Physical state</b>	:	<input checked="" type="checkbox"/> 2X PCR Master Mix	Liquid.	
		10X PCR Primer Mix	Liquid.	
		60 mM EDTA	Liquid.	
		10X Ddel Buffer	Liquid.	
		10X NlaIII/HaeIII Buffer	Liquid.	
		100X BSA	Liquid.	
		10X Ddel Restriction Enzyme	Liquid.	
		10X NlaIII Restriction Enzyme	Liquid.	
		10X HaeIII Restriction Enzyme	Liquid.	
		Positive Control Salmon DNA	Liquid.	
		Nuclease Free Water	Liquid.	
	<b>Colour</b>	:	<input checked="" type="checkbox"/> 2X PCR Master Mix	Not available.
			10X PCR Primer Mix	Not available.
			60 mM EDTA	Not available.
		10X Ddel Buffer	Not available.	
		10X NlaIII/HaeIII Buffer	Not available.	
		100X BSA	Not available.	
		10X Ddel Restriction Enzyme	Not available.	
	10X NlaIII Restriction Enzyme	Not available.		
	10X HaeIII Restriction Enzyme	Not available.		

## Section 9. Physical and chemical properties and safety characteristics

	Enzyme	
	Positive Control Salmon DNA	Not available.
	Nuclease Free Water	Colourless.
<b>Odour</b>	: <input checked="" type="checkbox"/> PCR Master Mix	Not available.
	10X PCR Primer Mix	Not available.
	60 mM EDTA	Not available.
	10X Ddel Buffer	Not available.
	10X NlaIII/HaeIII Buffer	Not available.
	100X BSA	Not available.
	10X Ddel Restriction Enzyme	Not available.
	10X NlaIII Restriction	Not available.
	Enzyme	
	10X HaeIII Restriction	Not available.
	Enzyme	
	Positive Control Salmon DNA	Not available.
	Nuclease Free Water	Odourless.
<b>Odour threshold</b>	: <input checked="" type="checkbox"/> PCR Master Mix	Not available.
	10X PCR Primer Mix	Not available.
	60 mM EDTA	Not available.
	10X Ddel Buffer	Not available.
	10X NlaIII/HaeIII Buffer	Not available.
	100X BSA	Not available.
	10X Ddel Restriction Enzyme	Not available.
	10X NlaIII Restriction	Not available.
	Enzyme	
	10X HaeIII Restriction	Not available.
	Enzyme	
	Positive Control Salmon DNA	Not available.
	Nuclease Free Water	Not available.
<b>pH</b>	: <input checked="" type="checkbox"/> PCR Master Mix	8.8
	10X PCR Primer Mix	8.8
	60 mM EDTA	8.8
	10X Ddel Buffer	Not available.
	10X NlaIII/HaeIII Buffer	Not available.
	100X BSA	Not available.
	10X Ddel Restriction Enzyme	Not available.
	10X NlaIII Restriction	Not available.
	Enzyme	
	10X HaeIII Restriction	Not available.
	Enzyme	
	Positive Control Salmon DNA	Not available.
	Nuclease Free Water	7
<b>Melting point/freezing point</b>	: <input checked="" type="checkbox"/> PCR Master Mix	0°C (32°F)
	10X PCR Primer Mix	0°C (32°F)
	60 mM EDTA	Not available.
	10X Ddel Buffer	Not available.
	10X NlaIII/HaeIII Buffer	Not available.
	100X BSA	0°C (32°F)
	10X Ddel Restriction Enzyme	Not available.
	10X NlaIII Restriction	Not available.
	Enzyme	
	10X HaeIII Restriction	Not available.
	Enzyme	
	Positive Control Salmon DNA	0°C (32°F)
	Nuclease Free Water	0°C (32°F)

## Section 9. Physical and chemical properties and safety characteristics

**Boiling point, initial boiling point, and boiling range** :

2X PCR Master Mix	100°C (212°F)
10X PCR Primer Mix	100°C (212°F)
60 mM EDTA	Not available.
10X Ddel Buffer	Not available.
10X NlaIII/HaeIII Buffer	Not available.
100X BSA	100°C (212°F)
10X Ddel Restriction Enzyme	Not available.
10X NlaIII Restriction Enzyme	Not available.
10X HaeIII Restriction Enzyme	Not available.
Positive Control Salmon DNA	100°C (212°F)
Nuclease Free Water	100°C (212°F)

**Flash point** :

Ingredient name	Closed cup			Open cup		
	°C	°F	Method	°C	°F	Method
<b>2X PCR Master Mix</b>						
Edetic acid	>100	>212	DIN 51758			
(R*,R*) -1,4-Dimercaptobutane-2,3-diol	>110	>230				
<b>60 mM EDTA</b>						
Edetic acid	>100	>212	DIN 51758			
<b>10X Ddel Buffer</b>						
(R*,R*) -1,4-Dimercaptobutane-2,3-diol	>110	>230				
<b>10X NlaIII/HaeIII Buffer</b>						
(R*,R*) -1,4-Dimercaptobutane-2,3-diol	>110	>230				
<b>100X BSA</b>						
Edetic acid	>100	>212	DIN 51758			
Glycerol				177	350.6	
<b>10X Ddel Restriction Enzyme</b>						
Edetic acid	>100	>212	DIN 51758			
(R*,R*) -1,4-Dimercaptobutane-2,3-diol	>110	>230				
<b>10X NlaIII Restriction Enzyme</b>						
Edetic acid	>100	>212	DIN 51758			
(R*,R*) -1,4-Dimercaptobutane-2,3-diol	>110	>230				
<b>10X HaeIII Restriction Enzyme</b>						
2-Mercaptoethanol	74	165.2		74	165.2	

## Section 9. Physical and chemical properties and safety characteristics

	Edetic acid	>100	>212	DIN 51758			
	<b>Positive Control Salmon DNA</b>						
	Edetic acid	>100	>212	DIN 51758			
<b>Evaporation rate</b>	: <input checked="" type="checkbox"/> 2X PCR Master Mix			Not available.			
	10X PCR Primer Mix			Not available.			
	60 mM EDTA			Not available.			
	10X Ddel Buffer			Not available.			
	10X NlaIII/HaeIII Buffer			Not available.			
	100X BSA			Not available.			
	10X Ddel Restriction Enzyme			Not available.			
	10X NlaIII Restriction Enzyme			Not available.			
	10X HaeIII Restriction Enzyme			Not available.			
	Positive Control Salmon DNA			Not available.			
	Nuclease Free Water			Not available.			
<b>Flammability</b>	: <input checked="" type="checkbox"/> 2X PCR Master Mix			Not applicable.			
	10X PCR Primer Mix			Not applicable.			
	60 mM EDTA			Not applicable.			
	10X Ddel Buffer			Not applicable.			
	10X NlaIII/HaeIII Buffer			Not applicable.			
	100X BSA			Not applicable.			
	10X Ddel Restriction Enzyme			Not applicable.			
	10X NlaIII Restriction Enzyme			Not applicable.			
	10X HaeIII Restriction Enzyme			Not applicable.			
	Positive Control Salmon DNA			Not applicable.			
	Nuclease Free Water			Not applicable.			
<b>Lower and upper explosion limit/flammability limit</b>	: <input checked="" type="checkbox"/> 2X PCR Master Mix			Not available.			
	10X PCR Primer Mix			Not available.			
	60 mM EDTA			Not available.			
	10X Ddel Buffer			Not available.			
	10X NlaIII/HaeIII Buffer			Not available.			
	100X BSA			Not available.			
	10X Ddel Restriction Enzyme			Not available.			
	10X NlaIII Restriction Enzyme			Not available.			
	10X HaeIII Restriction Enzyme			Not available.			
	Positive Control Salmon DNA			Not available.			
	Nuclease Free Water			Not available.			
<b>Vapour pressure</b>	: <input checked="" type="checkbox"/> 2X PCR Master Mix			Not available.			
	10X PCR Primer Mix			Not available.			
	60 mM EDTA			Not available.			
	10X Ddel Buffer			Not available.			
	10X NlaIII/HaeIII Buffer			Not available.			
	100X BSA			Not available.			
	10X Ddel Restriction Enzyme			Not available.			
	10X NlaIII Restriction Enzyme			Not available.			
	10X HaeIII Restriction Enzyme			Not available.			
	Positive Control Salmon DNA			Not available.			
	Nuclease Free Water			3.2 kPa (23.8 mm Hg) [room temperature] 12.3 kPa (92.258 mm Hg) [50°C (122°F)]			

## Section 9. Physical and chemical properties and safety characteristics

Ingredient name	Vapour Pressure at 20 °C			Vapour pressure at 50 °C		
	mm Hg	kPa	Method	mm Hg	kPa	Method
<b>2X PCR Master Mix</b>						
water	23.8	3.2		92.258	12.3	
Glycerol	0.000075	0.00001		0.0025	0.00033	
<b>10X PCR Primer Mix</b>						
water	23.8	3.2		92.258	12.3	
<b>60 mM EDTA</b>						
water	23.8	3.2		92.258	12.3	
Edetic acid	0	0				
<b>10X Ddel Buffer</b>						
water	23.8	3.2		92.258	12.3	
2-Amino-2-(hydroxymethyl)propane-1,3-diol hydrochloride	0.000027	0.0000036		0.000007501	0.000001	
<b>10X NlaIII/HaeIII Buffer</b>						
water	23.8	3.2		92.258	12.3	
potassium acetate	0.00000013	0.000000017				
<b>100X BSA</b>						
water	23.8	3.2		92.258	12.3	
Glycerol	0.000075	0.00001		0.0025	0.00033	
<b>10X Ddel Restriction Enzyme</b>						
water	23.8	3.2		92.258	12.3	
Glycerol	0.000075	0.00001		0.0025	0.00033	
<b>10X NlaIII Restriction Enzyme</b>						
water	23.8	3.2		92.258	12.3	
Glycerol	0.000075	0.00001		0.0025	0.00033	
<b>10X HaeIII Restriction Enzyme</b>						
water	23.8	3.2		92.258	12.3	
2-Mercaptoethanol	0.98	0.13				
<b>Positive Control Salmon DNA</b>						
water	23.8	3.2		92.258	12.3	
2-Amino-2-(hydroxymethyl)propane-1,3-diol hydrochloride	0.000027	0.0000036		0.000007501	0.000001	

## Section 9. Physical and chemical properties and safety characteristics

<b>Relative vapour density</b>	: <input checked="" type="checkbox"/> 2X PCR Master Mix 10X PCR Primer Mix 60 mM EDTA 10X Ddel Buffer 10X NlaIII/HaeIII Buffer 100X BSA 10X Ddel Restriction Enzyme 10X NlaIII Restriction Enzyme 10X HaeIII Restriction Enzyme Positive Control Salmon DNA Nuclease Free Water	Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available. 0.62 [Air = 1]
<b>Relative density</b>	: <input checked="" type="checkbox"/> 2X PCR Master Mix 10X PCR Primer Mix 60 mM EDTA 10X Ddel Buffer 10X NlaIII/HaeIII Buffer 100X BSA 10X Ddel Restriction Enzyme 10X NlaIII Restriction Enzyme 10X HaeIII Restriction Enzyme Positive Control Salmon DNA Nuclease Free Water	Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available. 1
<b>Solubility</b>	: <input checked="" type="checkbox"/> 2X PCR Master Mix  10X PCR Primer Mix  60 mM EDTA  10X Ddel Buffer  10X NlaIII/HaeIII Buffer  100X BSA  10X Ddel Restriction Enzyme  10X NlaIII Restriction Enzyme 10X HaeIII Restriction Enzyme Positive Control Salmon DNA  Nuclease Free Water	Easily soluble in the following materials: cold water and hot water.  Easily soluble in the following materials: cold water and hot water.  Easily soluble in the following materials: cold water and hot water.  Easily soluble in the following materials: cold water and hot water.  Easily soluble in the following materials: cold water and hot water.  Soluble in the following materials: cold water and hot water.  Soluble in the following materials: cold water and hot water.  Soluble in the following materials: cold water and hot water.  Easily soluble in the following materials: cold water and hot water.  Easily soluble in the following materials: cold water and hot water.
<b>Partition coefficient: n-octanol/water</b>	: <input checked="" type="checkbox"/> 2X PCR Master Mix 10X PCR Primer Mix 60 mM EDTA 10X Ddel Buffer 10X NlaIII/HaeIII Buffer 100X BSA 10X Ddel Restriction Enzyme 10X NlaIII Restriction Enzyme 10X HaeIII Restriction Enzyme Positive Control Salmon DNA Nuclease Free Water	Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. -1.38

## Section 9. Physical and chemical properties and safety characteristics

Auto-ignition temperature	Ingredient name	°C	°F	Method
	<input checked="" type="checkbox"/> PCR Master Mix			
	Glycerol	370	698	
	Edetic acid	>400	>752	VDI 2263
	<b>60 mM EDTA</b>			
	Edetic acid	>400	>752	VDI 2263
	<b>10X NlaIII/HaeIII Buffer</b>			
	Magnesium di(acetate)	310	590	EU A.16
	potassium acetate	>410	>770	EU A.16
	<b>100X BSA</b>			
	Glycerol	370	698	
	Edetic acid	>400	>752	VDI 2263
	<b>10X Ddel Restriction Enzyme</b>			
	Glycerol	370	698	
	Edetic acid	>400	>752	VDI 2263
	<b>10X NlaIII Restriction Enzyme</b>			
	Glycerol	370	698	
	Edetic acid	>400	>752	VDI 2263
	<b>10X HaeIII Restriction Enzyme</b>			
	2-Mercaptoethanol	295	563	
	Glycerol	370	698	
	<b>Positive Control Salmon DNA</b>			
	Edetic acid	>400	>752	VDI 2263

Decomposition temperature	Ingredient name	°C	°F	Method
	<input checked="" type="checkbox"/> PCR Master Mix	Not available.		
	10X PCR Primer Mix	Not available.		
	60 mM EDTA	Not available.		
	10X Ddel Buffer	Not available.		
	10X NlaIII/HaeIII Buffer	Not available.		
	100X BSA	Not available.		
	10X Ddel Restriction Enzyme	Not available.		
	10X NlaIII Restriction Enzyme	Not available.		
	10X HaeIII Restriction Enzyme	Not available.		
	Positive Control Salmon DNA	Not available.		
	Nuclease Free Water	Not available.		

Viscosity	Ingredient name	°C	°F	Method
	<input checked="" type="checkbox"/> PCR Master Mix	Not available.		
	10X PCR Primer Mix	Not available.		
	60 mM EDTA	Not available.		
	10X Ddel Buffer	Not available.		
	10X NlaIII/HaeIII Buffer	Not available.		
	100X BSA	Not available.		
	10X Ddel Restriction Enzyme	Not available.		
	10X NlaIII Restriction	Not available.		

## Section 9. Physical and chemical properties and safety characteristics

Enzyme	
10X HaeIII Restriction	Not available.
Enzyme	
Positive Control Salmon DNA	Not available.
Nuclease Free Water	Not available.

### Particle characteristics

#### Median particle size

: <input checked="" type="checkbox"/> PCR Master Mix	Not applicable.
10X PCR Primer Mix	Not applicable.
60 mM EDTA	Not applicable.
10X Ddel Buffer	Not applicable.
10X NlaIII/HaeIII Buffer	Not applicable.
100X BSA	Not applicable.
10X Ddel Restriction Enzyme	Not applicable.
10X NlaIII Restriction	Not applicable.
Enzyme	
10X HaeIII Restriction	Not applicable.
Enzyme	
Positive Control Salmon DNA	Not applicable.
Nuclease Free Water	Not applicable.

## Section 10. Stability and reactivity

### Reactivity

: <input checked="" type="checkbox"/> PCR Master Mix	No specific test data related to reactivity available for this product or its ingredients.
10X PCR Primer Mix	No specific test data related to reactivity available for this product or its ingredients.
60 mM EDTA	No specific test data related to reactivity available for this product or its ingredients.
10X Ddel Buffer	No specific test data related to reactivity available for this product or its ingredients.
10X NlaIII/HaeIII Buffer	No specific test data related to reactivity available for this product or its ingredients.
100X BSA	No specific test data related to reactivity available for this product or its ingredients.
10X Ddel Restriction Enzyme	No specific test data related to reactivity available for this product or its ingredients.
10X NlaIII Restriction	No specific test data related to reactivity available for this product or its ingredients.
Enzyme	
10X HaeIII Restriction	No specific test data related to reactivity available for this product or its ingredients.
Enzyme	
Positive Control Salmon DNA	No specific test data related to reactivity available for this product or its ingredients.
Nuclease Free Water	No specific test data related to reactivity available for this product or its ingredients.

### Chemical stability

: <input checked="" type="checkbox"/> PCR Master Mix	The product is stable.
10X PCR Primer Mix	The product is stable.
60 mM EDTA	The product is stable.
10X Ddel Buffer	The product is stable.
10X NlaIII/HaeIII Buffer	The product is stable.
100X BSA	The product is stable.
10X Ddel Restriction Enzyme	The product is stable.
10X NlaIII Restriction	The product is stable.
Enzyme	
10X HaeIII Restriction	The product is stable.
Enzyme	
Positive Control Salmon DNA	The product is stable.
Nuclease Free Water	The product is stable.

## Section 10. Stability and reactivity

<b>Possibility of hazardous reactions</b>	: <input checked="" type="checkbox"/> PCR Master Mix 10X PCR Primer Mix 60 mM EDTA 10X Ddel Buffer 10X NlaIII/HaeIII Buffer 100X BSA 10X Ddel Restriction Enzyme 10X NlaIII Restriction Enzyme 10X HaeIII Restriction Enzyme Positive Control Salmon DNA Nuclease Free Water	Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur.
<b>Conditions to avoid</b>	: <input checked="" type="checkbox"/> PCR Master Mix 10X PCR Primer Mix 60 mM EDTA 10X Ddel Buffer 10X NlaIII/HaeIII Buffer 100X BSA 10X Ddel Restriction Enzyme 10X NlaIII Restriction Enzyme 10X HaeIII Restriction Enzyme Positive Control Salmon DNA Nuclease Free Water	No specific data. No specific data. No specific data. No specific data. No specific data. No specific data. No specific data. No specific data. No specific data. No specific data. No specific data. No specific data.
<b>Incompatible materials</b>	: <input checked="" type="checkbox"/> PCR Master Mix 10X PCR Primer Mix 60 mM EDTA 10X Ddel Buffer 10X NlaIII/HaeIII Buffer 100X BSA 10X Ddel Restriction Enzyme 10X NlaIII Restriction Enzyme 10X HaeIII Restriction Enzyme Positive Control Salmon DNA Nuclease Free Water	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. 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.
<b>Hazardous decomposition products</b>	: <input checked="" type="checkbox"/> PCR Master Mix 10X PCR Primer Mix 60 mM EDTA 10X Ddel Buffer	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 10. Stability and reactivity

10X NlaIII/HaeIII Buffer	produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced.
100X BSA	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
10X Ddel Restriction Enzyme	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
10X NlaIII Restriction Enzyme	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
10X HaeIII Restriction Enzyme	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Positive Control Salmon DNA	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Nuclease Free Water	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
<b>2X PCR Master Mix</b> Glycerol	LD50 Oral	Rat	12600 mg/kg	-
<b>10X Ddel Buffer</b> Magnesium chloride	LD50 Dermal	Rat - Male, Female	>2000 mg/kg	-
	LD50 Oral	Rat	2800 mg/kg	-
<b>100X BSA</b> Glycerol	LD50 Oral	Rat	12600 mg/kg	-
<b>10X Ddel Restriction Enzyme</b> Glycerol	LD50 Oral	Rat	12600 mg/kg	-
<b>10X NlaIII Restriction Enzyme</b> Glycerol	LD50 Oral	Rat	12600 mg/kg	-
<b>10X HaeIII Restriction Enzyme</b> Glycerol	LD50 Oral	Rat	12600 mg/kg	-

#### Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
<b>2X PCR Master Mix</b> Glycerol	Eyes - Mild irritant	Rabbit	-	24 hours 500 mg	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 mg	-
<b>100X BSA</b> Glycerol	Eyes - Mild irritant	Rabbit	-	24 hours 500 mg	-

## Section 11. Toxicological information

<b>10X Ddel Restriction Enzyme</b> Glycerol	Skin - Mild irritant	Rabbit	-	mg 24 hours 500 mg	-
	Eyes - Mild irritant	Rabbit	-	24 hours 500 mg	-
<b>10X NlaIII Restriction Enzyme</b> Glycerol	Skin - Mild irritant	Rabbit	-	24 hours 500 mg	-
	Eyes - Mild irritant	Rabbit	-	24 hours 500 mg	-
<b>10X HaeIII Restriction Enzyme</b> Glycerol	Skin - Mild irritant	Rabbit	-	24 hours 500 mg	-
	Eyes - Mild irritant	Rabbit	-	24 hours 500 mg	-

### Sensitisation

Not available.

### Mutagenicity

**Conclusion/Summary** : Not available.

### Carcinogenicity

**Conclusion/Summary** : Not available.

### Reproductive toxicity

**Conclusion/Summary** : Not available.

### Teratogenicity

**Conclusion/Summary** : Not available.

### Specific target organ toxicity (single exposure)

Not available.

### Specific target organ toxicity (repeated exposure)

Not available.

### Aspiration hazard

Not available.

<b>Information on likely routes of exposure</b>	<input checked="" type="checkbox"/> PCR Master Mix	Not available.
	10X PCR Primer Mix	Not available.
	60 mM EDTA	Routes of entry anticipated: Oral, Dermal, Inhalation.
	10X Ddel Buffer	Routes of entry anticipated: Oral, Dermal, Inhalation.
	10X NlaIII/HaeIII Buffer	Routes of entry anticipated: Oral, Dermal, Inhalation.
	100X BSA	Not available.
	10X Ddel Restriction Enzyme	Routes of entry anticipated: Oral, Dermal, Inhalation.
	10X NlaIII Restriction Enzyme	Routes of entry anticipated: Oral, Dermal, Inhalation.
	10X HaeIII Restriction Enzyme	Routes of entry anticipated: Oral, Dermal, Inhalation.
	Positive Control Salmon DNA	Not available.
	Nuclease Free Water	Not available.

### Potential acute health effects

## Section 11. Toxicological information

<b>Eye contact</b>	:	<input checked="" type="checkbox"/> PCR Master Mix	No known significant effects or critical hazards.		
		10X PCR Primer Mix	No known significant effects or critical hazards.		
		60 mM EDTA	No known significant effects or critical hazards.		
		10X Ddel Buffer	No known significant effects or critical hazards.		
		10X NlaIII/HaeIII Buffer	No known significant effects or critical hazards.		
		100X BSA	No known significant effects or critical hazards.		
		10X Ddel Restriction Enzyme	No known significant effects or critical hazards.		
		10X NlaIII Restriction Enzyme	No known significant effects or critical hazards.		
		10X HaeIII Restriction Enzyme	No known significant effects or critical hazards.		
		Positive Control Salmon DNA	No known significant effects or critical hazards.		
		Nuclease Free Water	No known significant effects or critical hazards.		
		<b>Inhalation</b>	:	<input checked="" type="checkbox"/> PCR Master Mix	No known significant effects or critical hazards.
				10X PCR Primer Mix	No known significant effects or critical hazards.
60 mM EDTA	No known significant effects or critical hazards.				
10X Ddel Buffer	No known significant effects or critical hazards.				
10X NlaIII/HaeIII Buffer	No known significant effects or critical hazards.				
100X BSA	No known significant effects or critical hazards.				
10X Ddel Restriction Enzyme	No known significant effects or critical hazards.				
10X NlaIII Restriction Enzyme	No known significant effects or critical hazards.				
10X HaeIII Restriction Enzyme	No known significant effects or critical hazards.				
Positive Control Salmon DNA	No known significant effects or critical hazards.				
Nuclease Free Water	No known significant effects or critical hazards.				
<b>Skin contact</b>	:			<input checked="" type="checkbox"/> PCR Master Mix	No known significant effects or critical hazards.
				10X PCR Primer Mix	No known significant effects or critical hazards.
		60 mM EDTA	No known significant effects or critical hazards.		
		10X Ddel Buffer	No known significant effects or critical hazards.		
		10X NlaIII/HaeIII Buffer	No known significant effects or critical hazards.		
		100X BSA	No known significant effects or critical hazards.		
		10X Ddel Restriction Enzyme	No known significant effects or critical hazards.		
		10X NlaIII Restriction Enzyme	No known significant effects or critical hazards.		
		10X HaeIII Restriction Enzyme	No known significant effects or critical hazards.		
		Positive Control Salmon DNA	No known significant effects or critical hazards.		
		Nuclease Free Water	No known significant effects or critical hazards.		
		<b>Ingestion</b>	:	<input checked="" type="checkbox"/> PCR Master Mix	No known significant effects or critical hazards.
				10X PCR Primer Mix	No known significant effects or critical hazards.
60 mM EDTA	No known significant effects or critical hazards.				
10X Ddel Buffer	No known significant effects or critical hazards.				
10X NlaIII/HaeIII Buffer	No known significant effects or critical hazards.				
100X BSA	No known significant effects or critical hazards.				
10X Ddel Restriction Enzyme	No known significant effects or critical hazards.				
10X NlaIII Restriction Enzyme	No known significant effects or critical hazards.				
10X HaeIII Restriction Enzyme	No known significant effects or critical hazards.				
Positive Control Salmon DNA	No known significant effects or critical hazards.				
Nuclease Free Water	No known significant effects or critical hazards.				

### Symptoms related to the physical, chemical and toxicological characteristics

<b>Eye contact</b>	:	<input checked="" type="checkbox"/> PCR Master Mix	No specific data.
		10X PCR Primer Mix	No specific data.
		60 mM EDTA	No specific data.
		10X Ddel Buffer	No specific data.
		10X NlaIII/HaeIII Buffer	No specific data.
		100X BSA	No specific data.
		10X Ddel Restriction Enzyme	No specific data.
		10X NlaIII Restriction Enzyme	No specific data.
		10X HaeIII Restriction Enzyme	No specific data.

## Section 11. Toxicological information

	Enzyme	
	10X HaeIII Restriction	No specific data.
	Enzyme	
	Positive Control Salmon DNA	No specific data.
	Nuclease Free Water	No specific data.
<b>Inhalation</b>	: <input checked="" type="checkbox"/> PCR Master Mix	No specific data.
	10X PCR Primer Mix	No specific data.
	60 mM EDTA	No specific data.
	10X Ddel Buffer	No specific data.
	10X NlaIII/HaeIII Buffer	No specific data.
	100X BSA	No specific data.
	10X Ddel Restriction Enzyme	No specific data.
	10X NlaIII Restriction	No specific data.
	Enzyme	
	10X HaeIII Restriction	No specific data.
	Enzyme	
	Positive Control Salmon DNA	No specific data.
	Nuclease Free Water	No specific data.
<b>Skin contact</b>	: <input checked="" type="checkbox"/> PCR Master Mix	No specific data.
	10X PCR Primer Mix	No specific data.
	60 mM EDTA	No specific data.
	10X Ddel Buffer	No specific data.
	10X NlaIII/HaeIII Buffer	No specific data.
	100X BSA	No specific data.
	10X Ddel Restriction Enzyme	No specific data.
	10X NlaIII Restriction	No specific data.
	Enzyme	
	10X HaeIII Restriction	No specific data.
	Enzyme	
	Positive Control Salmon DNA	No specific data.
	Nuclease Free Water	No specific data.
<b>Ingestion</b>	: <input checked="" type="checkbox"/> PCR Master Mix	No specific data.
	10X PCR Primer Mix	No specific data.
	60 mM EDTA	No specific data.
	10X Ddel Buffer	No specific data.
	10X NlaIII/HaeIII Buffer	No specific data.
	100X BSA	No specific data.
	10X Ddel Restriction Enzyme	No specific data.
	10X NlaIII Restriction	No specific data.
	Enzyme	
	10X HaeIII Restriction	No specific data.
	Enzyme	
	Positive Control Salmon DNA	No specific data.
	Nuclease Free Water	No specific data.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Short term exposure**

**Potential immediate effects** : Not available.

**Potential delayed effects** : Not available.

**Long term exposure**

**Potential immediate effects** : Not available.

**Potential delayed effects** : Not available.

**Potential chronic health effects**

## Section 11. Toxicological information

<b>General</b>	: <input checked="" type="checkbox"/> PCR Master Mix 10X PCR Primer Mix 60 mM EDTA 10X Ddel Buffer 10X NlaIII/HaeIII Buffer 100X BSA 10X Ddel Restriction Enzyme 10X NlaIII Restriction Enzyme 10X HaeIII Restriction Enzyme Positive Control Salmon DNA Nuclease Free Water	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. 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.
<b>Carcinogenicity</b>	: <input checked="" type="checkbox"/> PCR Master Mix 10X PCR Primer Mix 60 mM EDTA 10X Ddel Buffer 10X NlaIII/HaeIII Buffer 100X BSA 10X Ddel Restriction Enzyme 10X NlaIII Restriction Enzyme 10X HaeIII Restriction Enzyme Positive Control Salmon DNA Nuclease Free Water	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. 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.
<b>Mutagenicity</b>	: <input checked="" type="checkbox"/> PCR Master Mix 10X PCR Primer Mix 60 mM EDTA 10X Ddel Buffer 10X NlaIII/HaeIII Buffer 100X BSA 10X Ddel Restriction Enzyme 10X NlaIII Restriction Enzyme 10X HaeIII Restriction Enzyme Positive Control Salmon DNA Nuclease Free Water	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. 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.
<b>Reproductive toxicity</b>	: <input checked="" type="checkbox"/> PCR Master Mix 10X PCR Primer Mix 60 mM EDTA 10X Ddel Buffer 10X NlaIII/HaeIII Buffer 100X BSA 10X Ddel Restriction Enzyme 10X NlaIII Restriction Enzyme 10X HaeIII Restriction Enzyme Positive Control Salmon DNA Nuclease Free Water	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. 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.

### Numerical measures of toxicity

#### Acute toxicity estimates

## Section 11. Toxicological information

Product/ingredient name	Oral (mg/kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapours) (mg/l)	Inhalation (dusts and mists) (mg/l)
<b>2X PCR Master Mix</b> Glycerol	12600	N/A	N/A	N/A	N/A
<b>10X Ddel Buffer</b> Magnesium chloride	2800	N/A	N/A	N/A	N/A
<b>100X BSA</b> Glycerol	12600	N/A	N/A	N/A	N/A
<b>10X Ddel Restriction Enzyme</b> Glycerol	12600	N/A	N/A	N/A	N/A
<b>10X NlaIII Restriction Enzyme</b> Glycerol	12600	N/A	N/A	N/A	N/A
<b>10X HaeIII Restriction Enzyme</b> Glycerol	12600	N/A	N/A	N/A	N/A

<b>Other information</b>	: <b>2X PCR Master Mix</b>	Not available.
	10X PCR Primer Mix	Not available.
	60 mM EDTA	Not available.
	10X Ddel Buffer	Adverse symptoms may include the following: May cause skin sensitisation.
	10X NlaIII/HaeIII Buffer	Adverse symptoms may include the following: May cause skin sensitisation.
	100X BSA	Not available.
	10X Ddel Restriction Enzyme	Not available.
	10X NlaIII Restriction Enzyme	Not available.
	10X HaeIII Restriction Enzyme	Not available.
	Positive Control Salmon DNA	Not available.
	Nuclease Free Water	Not available.

## Section 12. Ecological information

### Toxicity

Product/ingredient name	Result	Species	Exposure
<b>2X PCR Master Mix</b> Glycerol	Acute LC50 54000 mg/l Fresh water	Fish - Oncorhynchus mykiss	96 hours
<b>10X Ddel Buffer</b> Magnesium chloride	Acute EC50 >100 mg/l Fresh water	Algae - Desmodesmus subspicatus	72 hours
	Acute EC50 180000 µg/l Fresh water	Crustaceans - Eudiaptomus padanus ssp. padanus - Adult	48 hours
	Acute IC50 6.8 mg/l Fresh water	Aquatic plants - Lemna aequinoctialis	96 hours
	Acute LC50 32000 µg/l Fresh water	Daphnia - Daphnia hyalina - Adult	48 hours
	Acute LC50 2120 mg/l Fresh water	Fish - Pimephales promelas	96 hours
	Acute NOEC 100 mg/l Fresh water	Algae - Desmodesmus subspicatus	72 hours
	Chronic NOEC 0.1 mg/l Fresh water	Fish - Cyprinus carpio	35 days
<b>100X BSA</b>			

## Section 12. Ecological information

Glycerol	Acute LC50 54000 mg/l Fresh water	Fish - Oncorhynchus mykiss	96 hours
<b>10X Ddel Restriction Enzyme</b>			
Glycerol	Acute LC50 54000 mg/l Fresh water	Fish - Oncorhynchus mykiss	96 hours
<b>10X NlaIII Restriction Enzyme</b>			
Glycerol	Acute LC50 54000 mg/l Fresh water	Fish - Oncorhynchus mykiss	96 hours
<b>10X HaeIII Restriction Enzyme</b>			
Glycerol	Acute LC50 54000 mg/l Fresh water	Fish - Oncorhynchus mykiss	96 hours

### Persistence and degradability

Product/ingredient name	Test	Result	Dose	Inoculum
<b>2X PCR Master Mix</b> Glycerol	301D Ready Biodegradability - Closed Bottle Test	93 % - 30 days	-	-
<b>100X BSA</b> Glycerol	301D Ready Biodegradability - Closed Bottle Test	93 % - 30 days	-	-
<b>10X Ddel Restriction Enzyme</b> Glycerol	301D Ready Biodegradability - Closed Bottle Test	93 % - 30 days	-	-
<b>10X NlaIII Restriction Enzyme</b> Glycerol	301D Ready Biodegradability - Closed Bottle Test	93 % - 30 days	-	-
<b>10X HaeIII Restriction Enzyme</b> Glycerol	301D Ready Biodegradability - Closed Bottle Test	93 % - 30 days	-	-

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
<input checked="" type="checkbox"/> <b>Nuclease Free Water</b> water	-	-	Readily

### Bioaccumulative potential

## Section 12. Ecological information

Product/ingredient name	LogP <sub>ow</sub>	BCF	Potential
<b>2X PCR Master Mix</b> Glycerol	-1.76	-	low
<b>100X BSA</b> Glycerol	-1.76	-	low
<b>10X Ddel Restriction Enzyme</b> Glycerol	-1.76	-	low
<b>10X NlaIII Restriction Enzyme</b> Glycerol	-1.76	-	low
<b>10X HaeIII Restriction Enzyme</b> Glycerol	-1.76	-	low
<b>Nuclease Free Water</b> water	-1.38	-	low

### Mobility in soil

Soil/water partition coefficient (K<sub>oc</sub>) : Not available.

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

## Section 13. Disposal considerations

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

## Section 14. Transport information

**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 IMO instruments** : Not available.

## Section 15. Regulatory information

### Standard for the Uniform Scheduling of Medicines and Poisons

6

### 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

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

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

## Section 16. Any other relevant information

### History

**Date of issue/Date of revision** : 27/03/2022

**Date of previous issue** : 29/07/2019

**Version** : 5

### Key to abbreviations

: ADG = Australian Dangerous Goods  
 ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road  
 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)  
 N/A = Not available

## Section 16. Any other relevant information

SUSMP = Standard Uniform Schedule of Medicine and Poisons  
 UN = United Nations

### Procedure used to derive the classification

Classification	Justification
10X Ddel Buffer LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3	Calculation method

**References** : Not available.

Indicates information that has changed from previously issued version.

### Notice to reader

**Disclaimer:** The information contained in this document is based on Agilent’s state of knowledge at the time of preparation. No warranty as to its accurateness, completeness or suitability for a particular purpose is expressed or implied.