

SAFETY DATA SHEET

AffinityScript QPCR cDNA Synthesis Kit, Part Number 600559

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

1.1 Product identifier

Product name	: AffinityScript QPCR cDNA Synthesis Kit, Part Number 600559	
CAS number	: RNase-Free Water	7732-18-5
	: 2X cDNA Synthesis Master Mix	Not applicable.
	: AffinityScript RT/RNase Block Enzyme Mixture	Not applicable.
	: Oligo (dT) Primer	Not applicable.
	: Random Primers	Not applicable.
Part no. (chemical kit)	: 600559	
Part no.	: RNase-Free Water	600164-58
	: 2X cDNA Synthesis Master Mix	600559-51
	: AffinityScript RT/RNase Block Enzyme Mixture	600559-52
	: Oligo (dT) Primer	600554-53
	: Random Primers	600554-54

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

Identified uses	: Analytical reagent.	
	: RNase-Free Water	1.2 ml
	: 2X cDNA Synthesis Master Mix	0.5 ml
	: AffinityScript RT/RNase Block Enzyme Mixture	0.005 ml
	: Oligo (dT) Primer	0.15 ml (15 µg 100 ng/µl)
	: Random Primers	0.15 ml (15 µg 100 ng/µl)
Uses advised against	: None known.	

1.3 Details of the supplier of the safety data sheet

Agilent Technologies Deutschland GmbH
Hewlett-Packard-Str. 8
76337 Waldbronn
Germany
0800 603 1000

e-mail address of person responsible for this SDS : pdl-msds_author@agilent.com

1.4 Emergency telephone number

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

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Product definition	: RNase-Free Water	Mono-constituent substance
	: 2X cDNA Synthesis Master Mix	Mixture
	: AffinityScript RT/RNase Block Enzyme Mixture	Mixture
	: Oligo (dT) Primer	Mixture
	: Random Primers	Mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

SECTION 2: Hazards identification

Not classified.

RNase-Free Water	The product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended.
2X cDNA Synthesis Master Mix	The product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended.
AffinityScript RT/RNase Block Enzyme Mixture	The product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended.
Oligo (dT) Primer	The product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended.
Random Primers	The product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended.

Ingredients of unknown toxicity	2X cDNA Synthesis Master Mix	Percentage of the mixture consisting of ingredient(s) of unknown acute inhalation toxicity: 1 - 10%
	AffinityScript RT/RNase Block Enzyme Mixture	Percentage of the mixture consisting of ingredient(s) of unknown acute inhalation toxicity: 30 - 60%

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

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

2.2 Label elements

Signal word	RNase-Free Water	No signal word.
	2X cDNA Synthesis Master Mix	No signal word.
	AffinityScript RT/RNase Block Enzyme Mixture	No signal word.
	Oligo (dT) Primer	No signal word.
	Random Primers	No signal word.
Hazard statements	RNase-Free Water	No known significant effects or critical hazards.
	2X cDNA Synthesis Master Mix	No known significant effects or critical hazards.
	AffinityScript RT/RNase Block Enzyme Mixture	No known significant effects or critical hazards.
	Oligo (dT) Primer	No known significant effects or critical hazards.
	Random Primers	No known significant effects or critical hazards.
<u>Precautionary statements</u>		
Prevention	RNase-Free Water	Not applicable.
	2X cDNA Synthesis Master Mix	Not applicable.
	AffinityScript RT/RNase Block Enzyme Mixture	Not applicable.
	Oligo (dT) Primer	Not applicable.
	Random Primers	Not applicable.
Response	RNase-Free Water	Not applicable.
	2X cDNA Synthesis Master Mix	Not applicable.
	AffinityScript RT/RNase Block Enzyme Mixture	Not applicable.
	Oligo (dT) Primer	Not applicable.
	Random Primers	Not applicable.
Storage	RNase-Free Water	Not applicable.
	2X cDNA Synthesis Master Mix	Not applicable.
	AffinityScript RT/RNase Block Enzyme Mixture	Not applicable.
	Oligo (dT) Primer	Not applicable.
	Random Primers	Not applicable.

SECTION 2: Hazards identification

Disposal	: RNase-Free Water	Not applicable.
	2X cDNA Synthesis	Not applicable.
	Master Mix	
	AffinityScript RT/RNase	Not applicable.
	Block Enzyme Mixture	
	Oligo (dT) Primer	Not applicable.
	Random Primers	Not applicable.
Supplemental label elements	: RNase-Free Water	Not applicable.
	2X cDNA Synthesis	Not applicable.
	Master Mix	
	AffinityScript RT/RNase	Not applicable.
	Block Enzyme Mixture	
	Oligo (dT) Primer	Not applicable.
	Random Primers	Not applicable.
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	: RNase-Free Water	Not applicable.
	2X cDNA Synthesis	Not applicable.
	Master Mix	
	AffinityScript RT/RNase	Not applicable.
	Block Enzyme Mixture	
	Oligo (dT) Primer	Not applicable.
	Random Primers	Not applicable.
Special packaging requirements		
Tactile warning of danger	: RNase-Free Water	Not applicable.
	2X cDNA Synthesis	Not applicable.
	Master Mix	
	AffinityScript RT/RNase	Not applicable.
	Block Enzyme Mixture	
	Oligo (dT) Primer	Not applicable.
	Random Primers	Not applicable.

2.3 Other hazards

Product meets the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII	:	<table><tr><th>PBT</th><th>P</th><th>B</th><th>T</th><th>vPvB</th><th>vP</th><th>vB</th></tr><tr><td colspan="4">RNase-Free Water</td><td></td><td></td><td></td></tr><tr><td>Not applicable (Inorganic)</td><td>N/A</td><td>N/A</td><td>N/A</td><td>Not applicable (Inorganic)</td><td>N/A</td><td>N/A</td></tr></table>	PBT	P	B	T	vPvB	vP	vB	RNase-Free Water							Not applicable (Inorganic)	N/A	N/A	N/A	Not applicable (Inorganic)	N/A	N/A
	PBT	P	B	T	vPvB	vP	vB																
RNase-Free Water																							
Not applicable (Inorganic)	N/A	N/A	N/A	Not applicable (Inorganic)	N/A	N/A																	
Other hazards which do not result in classification	:	2X cDNA Synthesis Master Mix	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.																				
	:	AffinityScript RT/RNase Block Enzyme Mixture	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.																				
	:	Oligo (dT) Primer	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.																				
	:	Random Primers	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.																				
	:	RNase-Free Water	None known.																				
	:	2X cDNA Synthesis Master Mix	None known.																				
	:	AffinityScript RT/RNase Block Enzyme Mixture	None known.																				
	:	Oligo (dT) Primer	None known.																				
	:	Random Primers	None known.																				

SECTION 3: Composition/information on ingredients

3.1 Substances	:	RNase-Free Water	Mono-constituent substance
	:	2X cDNA Synthesis Master Mix	Mixture
	:	AffinityScript RT/RNase Block	Mixture
	:	Enzyme Mixture	
	:	Oligo (dT) Primer	Mixture
	:	Random Primers	Mixture

Product/ingredient name	Identifiers	%	Classification	Specific Conc. Limits, M-factors and ATEs	Type
RNase-Free Water water	REACH #: Annex IV EC: 231-791-2 CAS: 7732-18-5	100	Not classified.	-	[1]
AffinityScript RT/RNase Block Enzyme Mixture glycerol	REACH #: Annex V EC: 200-289-5 CAS: 56-81-5	≥50 - ≤75	Not classified. See Section 16 for the full text of the H statements declared above.	-	[1]

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

Type

RNase-Free Water	[1] Constituent
AffinityScript RT/RNase Block Enzyme Mixture	[1] Substance with a workplace exposure limit

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

SECTION 4: First aid measures

4.1 Description of first aid measures

Eye contact	:	RNase-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.
	:	2X cDNA Synthesis Master 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.
	:	AffinityScript RT/RNase Block Enzyme Mixture	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.
	:	Oligo (dT) Primer	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
	:	Random Primers	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
Inhalation	:	RNase-Free Water	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	:	2X cDNA Synthesis Master Mix	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.
	:	AffinityScript RT/RNase	Remove victim to fresh air and keep at rest in a position

SECTION 4: First aid measures

	Block Enzyme Mixture	comfortable for breathing. Get medical attention if symptoms occur.
	Oligo (dT) Primer	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	Random Primers	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
Skin contact	: RNase-Free Water	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	2X cDNA Synthesis Master Mix	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	AffinityScript RT/RNase Block Enzyme Mixture	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	Oligo (dT) Primer	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	Random Primers	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
Ingestion	: RNase-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.
	2X cDNA Synthesis 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.
	AffinityScript RT/RNase Block Enzyme Mixture	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.
	Oligo (dT) Primer	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.
	Random Primers	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
Protection of first-aiders	: RNase-Free Water	No action shall be taken involving any personal risk or without suitable training.
	2X cDNA Synthesis Master Mix	No action shall be taken involving any personal risk or without suitable training.
	AffinityScript RT/RNase Block Enzyme Mixture	No action shall be taken involving any personal risk or without suitable training.
	Oligo (dT) Primer	No action shall be taken involving any personal risk or without suitable training.
	Random Primers	No action shall be taken involving any personal risk or without suitable training.

4.2 Most important symptoms and effects, both acute and delayed**Potential acute health effects**

SECTION 4: First aid measures

Eye contact	: RNase-Free Water	No known significant effects or critical hazards.
	2X cDNA Synthesis	No known significant effects or critical hazards.
	Master Mix	
	AffinityScript RT/RNase	No known significant effects or critical hazards.
	Block Enzyme Mixture	
Inhalation	Oligo (dT) Primer	No known significant effects or critical hazards.
	Random Primers	No known significant effects or critical hazards.
	: RNase-Free Water	No known significant effects or critical hazards.
	2X cDNA Synthesis	No known significant effects or critical hazards.
	Master Mix	
Skin contact	AffinityScript RT/RNase	No known significant effects or critical hazards.
	Block Enzyme Mixture	
	Oligo (dT) Primer	No known significant effects or critical hazards.
	Random Primers	No known significant effects or critical hazards.
	: RNase-Free Water	No known significant effects or critical hazards.
Ingestion	2X cDNA Synthesis	No known significant effects or critical hazards.
	Master Mix	
	AffinityScript RT/RNase	No known significant effects or critical hazards.
	Block Enzyme Mixture	
	Oligo (dT) Primer	No known significant effects or critical hazards.
	Random Primers	No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact	: RNase-Free Water	No specific data.
	2X cDNA Synthesis	No specific data.
	Master Mix	
	AffinityScript RT/RNase	No specific data.
	Block Enzyme Mixture	
Inhalation	Oligo (dT) Primer	No specific data.
	Random Primers	No specific data.
	: RNase-Free Water	No specific data.
	2X cDNA Synthesis	No specific data.
	Master Mix	
Skin contact	AffinityScript RT/RNase	No specific data.
	Block Enzyme Mixture	
	Oligo (dT) Primer	No specific data.
	Random Primers	No specific data.
	: RNase-Free Water	No specific data.
Ingestion	2X cDNA Synthesis	No specific data.
	Master Mix	
	AffinityScript RT/RNase	No specific data.
	Block Enzyme Mixture	
	Oligo (dT) Primer	No specific data.
	Random Primers	No specific data.

4.3 Indication of any immediate medical attention and special treatment needed

SECTION 4: First aid measures

Notes to physician	: RNase-Free Water	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	2X cDNA Synthesis Master Mix	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.
	AffinityScript RT/RNase Block Enzyme Mixture	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	Oligo (dT) Primer	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	Random Primers	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments	: RNase-Free Water	No specific treatment.
	2X cDNA Synthesis Master Mix	No specific treatment.
	AffinityScript RT/RNase Block Enzyme Mixture	No specific treatment.
	Oligo (dT) Primer	No specific treatment.
	Random Primers	No specific treatment.

SECTION 5: Firefighting measures**5.1 Extinguishing media**

Suitable extinguishing media	: RNase-Free Water	Use an extinguishing agent suitable for the surrounding fire.
	2X cDNA Synthesis Master Mix	Use an extinguishing agent suitable for the surrounding fire.
	AffinityScript RT/RNase Block Enzyme Mixture	Use an extinguishing agent suitable for the surrounding fire.
	Oligo (dT) Primer	Use an extinguishing agent suitable for the surrounding fire.
	Random Primers	Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media	: RNase-Free Water	None known.
	2X cDNA Synthesis Master Mix	None known.
	AffinityScript RT/RNase Block Enzyme Mixture	None known.
	Oligo (dT) Primer	None known.
	Random Primers	None known.

5.2 Special hazards arising from the substance or mixture

Hazards from the substance or mixture	: RNase-Free Water	In a fire or if heated, a pressure increase will occur and the container may burst.
	2X cDNA Synthesis Master Mix	In a fire or if heated, a pressure increase will occur and the container may burst.
	AffinityScript RT/RNase Block Enzyme Mixture	In a fire or if heated, a pressure increase will occur and the container may burst.
	Oligo (dT) Primer	In a fire or if heated, a pressure increase will occur and the container may burst.
	Random Primers	In a fire or if heated, a pressure increase will occur and the container may burst.
Hazardous combustion products	: RNase-Free Water	No specific data.
	2X cDNA Synthesis Master Mix	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides halogenated compounds
	AffinityScript RT/RNase Block Enzyme Mixture	Decomposition products may include the following materials: carbon dioxide carbon monoxide
	Oligo (dT) Primer	No specific data.
	Random Primers	No specific data.

SECTION 5: Firefighting measures**5.3 Advice for firefighters****Special precautions for fire-fighters**

: RNase-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.

2X cDNA Synthesis Master 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.

AffinityScript RT/RNase Block Enzyme Mixture

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.

Oligo (dT) Primer

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Random Primers

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for fire-fighters

: RNase-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. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

2X cDNA Synthesis 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. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

AffinityScript RT/RNase Block Enzyme Mixture

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

Oligo (dT) Primer

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

Random Primers

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures****For non-emergency personnel**

: RNase-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.

2X cDNA Synthesis 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.

AffinityScript RT/RNase Block Enzyme Mixture

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering.

SECTION 6: Accidental release measures

		Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
	Oligo (dT) Primer	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
	Random Primers	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
For emergency responders	: RNase-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".
	2X cDNA Synthesis 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".
	AffinityScript RT/RNase Block Enzyme Mixture	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".
	Oligo (dT) Primer	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
	Random Primers	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
6.2 Environmental precautions	: RNase-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).
	2X cDNA Synthesis 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).
	AffinityScript RT/RNase Block Enzyme Mixture	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).
	Oligo (dT) Primer	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).
	Random Primers	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
6.3 Methods and material for containment and cleaning up		
Methods for cleaning up	: RNase-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.
	2X cDNA Synthesis Master Mix	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively,

SECTION 6: Accidental release measuresAffinityScript RT/RNase
Block Enzyme Mixture

Oligo (dT) Primer

Random Primers

or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

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

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

Stop 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.

6.4 Reference to other sections

- : See Section 1 for emergency contact information.
See Section 8 for information on appropriate personal protective equipment.
See Section 13 for additional waste treatment information.

SECTION 7: Handling and storage**7.1 Precautions for safe handling****Protective measures**

: RNase-Free Water

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

2X cDNA Synthesis
Master Mix

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

AffinityScript RT/RNase
Block Enzyme Mixture
Oligo (dT) Primer

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

Random Primers

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

Advice on general occupational hygiene

: RNase-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.

2X cDNA Synthesis
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.

AffinityScript RT/RNase
Block Enzyme Mixture

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.

Oligo (dT) Primer

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Random Primers

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating,

SECTION 7: Handling and storage

drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

7.2 Conditions for safe storage, including any incompatibilities

Storage	: RNase-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.
	2X cDNA Synthesis 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.
	AffinityScript RT/RNase Block Enzyme Mixture	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.
	Oligo (dT) Primer	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
	Random Primers	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

7.3 Specific end use(s)

SECTION 7: Handling and storage

Recommendations	: RNase-Free Water	Industrial applications, Professional applications.
	2X cDNA Synthesis Master Mix	Industrial applications, Professional applications.
	AffinityScript RT/RNase Block Enzyme Mixture	Industrial applications, Professional applications.
	Oligo (dT) Primer	Industrial applications, Professional applications.
	Random Primers	Industrial applications, Professional applications.
Industrial sector specific solutions	: RNase-Free Water	Not available.
	2X cDNA Synthesis Master Mix	Not available.
	AffinityScript RT/RNase Block Enzyme Mixture	Not available.
	Oligo (dT) Primer	Not available.
	Random Primers	Not available.

SECTION 8: Exposure controls/personal protection**8.1 Control parameters****Occupational exposure limits**

Product/ingredient name	Exposure limit values
AffinityScript RT/RNase Block Enzyme Mixture Glycerol	NAOSH (Ireland, 5/2021). Notes: Advisory Occupational Exposure Limit Values (OELVs) OELV-8hr: 10 mg/m ³ 8 hours. Form: mist

Biological exposure indices

No exposure indices known.

Recommended monitoring procedures	: Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.
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DNELs/DMELs

No DNELs/DMELs available.

PNECs

No PNECs available

8.2 Exposure controls

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

SECTION 8: Exposure controls/personal protection

Hand protection	: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
Body protection	: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Other skin protection	: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Respiratory protection	: Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.
Environmental exposure controls	: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

SECTION 9: Physical and chemical properties

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

9.1 Information on basic physical and chemical properties**Appearance**

Physical state	: RNase-Free Water	Liquid.
	2X cDNA Synthesis	Liquid.
	Master Mix	
	AffinityScript RT/RNase	Liquid.
	Block Enzyme Mixture	
	Oligo (dT) Primer	Liquid.
Colour	Random Primers	Liquid.
	: RNase-Free Water	Colourless.
	2X cDNA Synthesis	Not available.
	Master Mix	
	AffinityScript RT/RNase	Not available.
	Block Enzyme Mixture	
Odour	Oligo (dT) Primer	Not available.
	Random Primers	Not available.
	: RNase-Free Water	Odourless.
	2X cDNA Synthesis	Not available.
	Master Mix	
	AffinityScript RT/RNase	Not available.
Odour threshold	Block Enzyme Mixture	
	Oligo (dT) Primer	Not available.
	Random Primers	Not available.
	: RNase-Free Water	Not available.
	2X cDNA Synthesis	Not available.
	Master Mix	
Melting point/freezing point	AffinityScript RT/RNase	Not available.
	Block Enzyme Mixture	
	Oligo (dT) Primer	Not available.
	Random Primers	Not available.
	: RNase-Free Water	0°C
	2X cDNA Synthesis	0°C
	Master Mix	
	AffinityScript RT/RNase	Not available.
	Block Enzyme Mixture	
	Oligo (dT) Primer	0°C
	Random Primers	0°C

AffinityScript QPCR cDNA Synthesis Kit, Part Number 600559**SECTION 9: Physical and chemical properties**

Initial boiling point and boiling range : RNase-Free Water 100°C
2X cDNA Synthesis 100°C

Master Mix
AffinityScript RT/RNase Block Enzyme Mixture
Oligo (dT) Primer 100°C
Random Primers 100°C

Flammability : RNase-Free Water Not applicable.
2X cDNA Synthesis Not applicable.
Master Mix
AffinityScript RT/RNase Block Enzyme Mixture
Oligo (dT) Primer Not applicable.
Random Primers Not applicable.

Upper/lower flammability or explosive limits : RNase-Free Water Not available.
2X cDNA Synthesis Not available.
Master Mix
AffinityScript RT/RNase Block Enzyme Mixture
Oligo (dT) Primer Not available.
Random Primers Not available.

Flash point	:		Closed cup		Open cup	
		Ingredient name	°C	Method	°C	Method
		AffinityScript RT/RNase Block Enzyme Mixture				
		glycerol	-	-	177	-

Auto-ignition temperature	:	Ingredient name	°C	Method
		AffinityScript RT/RNase Block Enzyme Mixture		
		glycerol	370	-

Decomposition temperature : RNase-Free Water Not available.
2X cDNA Synthesis Not available.
Master Mix
AffinityScript RT/RNase Block Enzyme Mixture
Oligo (dT) Primer Not available.
Random Primers Not available.

pH : RNase-Free Water 7
2X cDNA Synthesis Not available.
Master Mix
AffinityScript RT/RNase Block Enzyme Mixture 8
Oligo (dT) Primer 7.5
Random Primers 7.5

Viscosity : RNase-Free Water Not available.
2X cDNA Synthesis Not available.
Master Mix
AffinityScript RT/RNase Block Enzyme Mixture
Oligo (dT) Primer Not available.
Random Primers Not available.

SECTION 9: Physical and chemical properties

Solubility(ies)	:	Media	Result
		RNase-Free Water	
		water	Soluble
		2X cDNA Synthesis Master Mix	
		water	Soluble
		AffinityScript RT/RNase Block Enzyme Mixture	
		water	Soluble
Partition coefficient: n-octanol/water	:	Oligo (dT) Primer	
		water	Soluble
		Random Primers	
		water	Soluble
Vapour pressure	:	RNase-Free Water	2.3 kPa (17.5 mm Hg) [room temperature]
			12.3 kPa (92.258 mm Hg) [50°C]
Evaporation rate	:	RNase-Free Water	Not available.
		2X cDNA Synthesis Master Mix	Not available.
		AffinityScript RT/RNase Block Enzyme Mixture	Not available.
		Oligo (dT) Primer	Not available.
		Random Primers	Not available.
Relative density	:	RNase-Free Water	1
		2X cDNA Synthesis Master Mix	Not available.
		AffinityScript RT/RNase Block Enzyme Mixture	Not available.
		Oligo (dT) Primer	Not available.
		Random Primers	Not available.

SECTION 9: Physical and chemical properties

Vapour density	: RNase-Free Water	0.62 [Air = 1]
	2X cDNA Synthesis	Not available.
	Master Mix	
	AffinityScript RT/RNase	Not available.
	Block Enzyme Mixture	
	Oligo (dT) Primer	Not available.
Explosive properties	: RNase-Free Water	Not available.
	2X cDNA Synthesis	Not available.
	Master Mix	
	AffinityScript RT/RNase	Not available.
	Block Enzyme Mixture	
	Oligo (dT) Primer	Not available.
Oxidising properties	: RNase-Free Water	Not available.
	2X cDNA Synthesis	Not available.
	Master Mix	
	AffinityScript RT/RNase	Not available.
	Block Enzyme Mixture	
	Oligo (dT) Primer	Not available.
Particle characteristics	: RNase-Free Water	Not applicable.
	2X cDNA Synthesis	Not applicable.
	Master Mix	
	AffinityScript RT/RNase	Not applicable.
	Block Enzyme Mixture	
	Oligo (dT) Primer	Not applicable.
Median particle size	: RNase-Free Water	Not applicable.
	2X cDNA Synthesis	Not applicable.
	Master Mix	
	AffinityScript RT/RNase	Not applicable.
	Block Enzyme Mixture	
	Oligo (dT) Primer	Not applicable.

9.2 Other information

No additional information.

SECTION 10: Stability and reactivity

10.1 Reactivity	: RNase-Free Water	No specific test data related to reactivity available for this product or its ingredients.
	2X cDNA Synthesis	No specific test data related to reactivity available for this product or its ingredients.
	Master Mix	No specific test data related to reactivity available for this product or its ingredients.
	AffinityScript RT/RNase	No specific test data related to reactivity available for this product or its ingredients.
	Block Enzyme Mixture	No specific test data related to reactivity available for this product or its ingredients.
	Oligo (dT) Primer	No specific test data related to reactivity available for this product or its ingredients.
10.2 Chemical stability	: RNase-Free Water	The product is stable.
	2X cDNA Synthesis	The product is stable.
	Master Mix	
	AffinityScript RT/RNase	The product is stable.
	Block Enzyme Mixture	
	Oligo (dT) Primer	The product is stable.
10.3 Possibility of hazardous reactions	: RNase-Free Water	Under normal conditions of storage and use, hazardous reactions will not occur.
	2X cDNA Synthesis	Under normal conditions of storage and use, hazardous reactions will not occur.
	Master Mix	
	AffinityScript RT/RNase	Under normal conditions of storage and use, hazardous reactions will not occur.
	Block Enzyme Mixture	
	Oligo (dT) Primer	Under normal conditions of storage and use, hazardous reactions will not occur.

SECTION 10: Stability and reactivity

	Random Primers	reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur.
10.4 Conditions to avoid	: RNase-Free Water 2X cDNA Synthesis Master Mix AffinityScript RT/RNase Block Enzyme Mixture Oligo (dT) Primer Random Primers	No specific data. No specific data. No specific data. No specific data. No specific data.
10.5 Incompatible materials	: RNase-Free Water 2X cDNA Synthesis Master Mix AffinityScript RT/RNase Block Enzyme Mixture Oligo (dT) Primer Random Primers	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.
10.6 Hazardous decomposition products	: RNase-Free Water 2X cDNA Synthesis Master Mix AffinityScript RT/RNase Block Enzyme Mixture Oligo (dT) Primer Random Primers	Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information**11.1 Information on toxicological effects**Acute toxicity

Not available.

Acute toxicity estimates

N/A

Irritation/Corrosion**Conclusion/Summary** : Not available.Sensitiser**Conclusion/Summary** : 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

SECTION 11: Toxicological information

Not available.

Information on likely routes of exposure	: RNase-Free Water	Not available.
	2X cDNA Synthesis	Not available.
	Master Mix	
	AffinityScript RT/RNase	Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.
	Block Enzyme Mixture	
	Oligo (dT) Primer	Not available.
	Random Primers	Not available.

Potential acute health effects

Inhalation	: RNase-Free Water	No known significant effects or critical hazards.
	2X cDNA Synthesis	No known significant effects or critical hazards.
	Master Mix	
	AffinityScript RT/RNase	No known significant effects or critical hazards.
	Block Enzyme Mixture	
	Oligo (dT) Primer	No known significant effects or critical hazards.
	Random Primers	No known significant effects or critical hazards.
Ingestion	: RNase-Free Water	No known significant effects or critical hazards.
	2X cDNA Synthesis	No known significant effects or critical hazards.
	Master Mix	
	AffinityScript RT/RNase	No known significant effects or critical hazards.
	Block Enzyme Mixture	
	Oligo (dT) Primer	No known significant effects or critical hazards.
	Random Primers	No known significant effects or critical hazards.
Skin contact	: RNase-Free Water	No known significant effects or critical hazards.
	2X cDNA Synthesis	No known significant effects or critical hazards.
	Master Mix	
	AffinityScript RT/RNase	No known significant effects or critical hazards.
	Block Enzyme Mixture	
	Oligo (dT) Primer	No known significant effects or critical hazards.
	Random Primers	No known significant effects or critical hazards.
Eye contact	: RNase-Free Water	No known significant effects or critical hazards.
	2X cDNA Synthesis	No known significant effects or critical hazards.
	Master Mix	
	AffinityScript RT/RNase	No known significant effects or critical hazards.
	Block Enzyme Mixture	
	Oligo (dT) Primer	No known significant effects or critical hazards.
	Random Primers	No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Inhalation	: RNase-Free Water	No specific data.
	2X cDNA Synthesis	No specific data.
	Master Mix	
	AffinityScript RT/RNase	No specific data.
	Block Enzyme Mixture	
	Oligo (dT) Primer	No specific data.
	Random Primers	No specific data.
Ingestion	: RNase-Free Water	No specific data.
	2X cDNA Synthesis	No specific data.
	Master Mix	
	AffinityScript RT/RNase	No specific data.
	Block Enzyme Mixture	
	Oligo (dT) Primer	No specific data.
	Random Primers	No specific data.
Skin contact	: RNase-Free Water	No specific data.
	2X cDNA Synthesis	No specific data.
	Master Mix	
	AffinityScript RT/RNase	No specific data.
	Block Enzyme Mixture	
	Oligo (dT) Primer	No specific data.
	Random Primers	No specific data.

SECTION 11: Toxicological information

Eye contact	: RNase-Free Water	No specific data.
	2X cDNA Synthesis	No specific data.
	Master Mix	
	AffinityScript RT/RNase	No specific data.
	Block Enzyme Mixture	
	Oligo (dT) Primer	No specific data.
	Random Primers	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

Conclusion/Summary : Not available.

General	: RNase-Free Water	No known significant effects or critical hazards.
	2X cDNA Synthesis	No known significant effects or critical hazards.
	Master Mix	
	AffinityScript RT/RNase	No known significant effects or critical hazards.
	Block Enzyme Mixture	
	Oligo (dT) Primer	No known significant effects or critical hazards.
Carcinogenicity	: RNase-Free Water	No known significant effects or critical hazards.
	2X cDNA Synthesis	No known significant effects or critical hazards.
	Master Mix	
	AffinityScript RT/RNase	No known significant effects or critical hazards.
	Block Enzyme Mixture	
	Oligo (dT) Primer	No known significant effects or critical hazards.
Mutagenicity	: RNase-Free Water	No known significant effects or critical hazards.
	2X cDNA Synthesis	No known significant effects or critical hazards.
	Master Mix	
	AffinityScript RT/RNase	No known significant effects or critical hazards.
	Block Enzyme Mixture	
	Oligo (dT) Primer	No known significant effects or critical hazards.
Reproductive toxicity	: RNase-Free Water	No known significant effects or critical hazards.
	2X cDNA Synthesis	No known significant effects or critical hazards.
	Master Mix	
	AffinityScript RT/RNase	No known significant effects or critical hazards.
	Block Enzyme Mixture	
	Oligo (dT) Primer	No known significant effects or critical hazards.
	: Random Primers	No known significant effects or critical hazards.

11.2 Information on other hazards**11.2.1 Endocrine disrupting properties**

Not available.

11.2.2 Other information

Not available.

SECTION 12: Ecological information

12.1 Toxicity

Conclusion/Summary : Not available.

12.2 Persistence and degradability

Not available.

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
RNase-Free Water water	-	-	Readily

12.3 Bioaccumulative potential

Product/ingredient name	LogP _{ow}	BCF	Potential
RNase-Free Water water	-1.38	-	Low

12.4 Mobility in soil

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

Mobility : Not available.

12.5 Results of PBT and vPvB assessment

Product/ingredient name	PBT	P	B	T	vPvB	vP	vB
RNase-Free Water water	Not applicable (Inorganic)	N/A	N/A	N/A	Not applicable (Inorganic)	N/A	N/A

12.6 Endocrine disrupting properties

Not available.

12.7 Other adverse effects

No known significant effects or critical hazards.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Methods of disposal : The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

Hazardous waste : Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 2008/98/EC.

Packaging

Methods of disposal : The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

Special precautions : This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

	ADR/RID	IMDG	IATA
14.1 UN number or ID number	Not regulated.	Not regulated.	Not regulated.
14.2 UN proper shipping name	-	-	-
14.3 Transport hazard class(es)	-	-	-
14.4 Packing group	-	-	-
14.5 Environmental hazards	No.	No.	No.

Additional information

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

14.7 Transport in bulk according to IMO instruments : Not available.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

EU Regulation (EC) No. 1907/2006 (REACH)

Annex XIV - List of substances subject to authorisation

Annex XIV

None of the components are listed.

Substances of very high concern

None of the components are listed.

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

No listed substance

Label	: RNase-Free Water	Not applicable.
	2X cDNA Synthesis Master Mix	Not applicable.
	AffinityScript RT/RNase Block Enzyme Mixture	Not applicable.
	Oligo (dT) Primer	Not applicable.
	Random Primers	Not applicable.

Other EU regulations

Ozone depleting substances (1005/2009/EU)

Not listed.

Prior Informed Consent (PIC) (649/2012/EU)

Not listed.

Persistent Organic Pollutants

Not listed.

Seveso Directive

SECTION 15: Regulatory information

This product is not controlled under the Seveso Directive.

International regulations**Chemical Weapon Convention List Schedules I, II & III Chemicals**

Not listed.

Montreal Protocol

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

Inventory list

Australia	: Not determined.
Canada	: All components are listed or exempted.
China	: All components are listed or exempted.
Eurasian Economic Union	: Russian Federation inventory : All components are listed or exempted.
Japan	: Japan inventory (CSCL) : Not determined. Japan inventory (ISHL) : Not determined.
New Zealand	: All components are listed or exempted.
Philippines	: All components are listed or exempted.
Republic of Korea	: Not determined.
Taiwan	: All components are listed or exempted.
Thailand	: Not determined.
Turkey	: Not determined.
United States	: All components are active or exempted.
Viet Nam	: All components are listed or exempted.

15.2 Chemical safety assessment : This product contains substances for which Chemical Safety Assessments might still be required.

SECTION 16: Other information

Indicates information that has changed from previously issued version.

Abbreviations and acronyms	: ATE = Acute Toxicity Estimate CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008] DMEL = Derived Minimal Effect Level DNEL = Derived No Effect Level EUH statement = CLP-specific Hazard statement N/A = Not available PBT = Persistent, Bioaccumulative and Toxic PNEC = Predicted No Effect Concentration RRN = REACH Registration Number vPvB = Very Persistent and Very Bioaccumulative
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Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Classification	Justification
Not classified.	

Full text of abbreviated H statements

Not applicable.

SECTION 16: Other information

Full text of classifications [CLP/GHS]

Not applicable.

Date of issue/ Date of revision : 27/10/2023

Date of previous issue : No previous validation

Version : 1

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