

SAFETY DATA SHEET

Agilent NGS FFPE QC Kit, EA, 16 Reactions, Part Number 5190-8833

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

1.1 Product identifier

Product name	: Agilent NGS FFPE QC Kit, EA, 16 Reactions, Part Number 5190-8833	
Part No. (Kit)	: 5190-8833	
Part No.	: Primer Set A	5190-8853
	: Primer Set B	5190-8854
	: Standard 1	5190-8855
	: Standard 2	5190-8856
	: Standard 3	5190-8857
	: Standard 4	5190-8858
	: Standard 5	5190-8859
	: Reference DNA	5190-9313
	: 2X Brilliant III SYBR®	600882-51
	: Green QPCR Master Mix	
	: Reference Dye	600530-53

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

Identified uses	
Analytical chemistry.	
Primer Set A	0.09 ml
Primer Set B	0.06 ml
Standard 1	0.024 ml
Standard 2	0.024 ml
Standard 3	0.024 ml
Standard 4	0.024 ml
Standard 5	0.024 ml
Reference DNA	0.048 ml
2X Brilliant III SYBR® Green QPCR Master Mix	2.0 ml
Reference Dye	0.1 ml

1.3 Details of the supplier of the safety data sheet

Agilent Technologies Manufacturing GmbH & Co. KG
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	: Primer Set A	Mixture
	: Primer Set B	Mixture
	: Standard 1	Mixture
	: Standard 2	Mixture
	: Standard 3	Mixture
	: Standard 4	Mixture
	: Standard 5	Mixture
	: Reference DNA	Mixture

Date of issue/Date of revision : 03/04/2015

SECTION 2: Hazards identification

2X Brilliant III SYBR®	Mixture
Green QPCR Master Mix	
Reference Dye	Mixture

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

Not classified.

Ingredients of unknown ecotoxicity	: Primer Set A	Not applicable.
	Primer Set B	Not applicable.
	Standard 1	Not applicable.
	Standard 2	Not applicable.
	Standard 3	Not applicable.
	Standard 4	Not applicable.
	Standard 5	Not applicable.
	Reference DNA	Not applicable.
	2X Brilliant III SYBR®	Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 16%
	Green QPCR Master Mix	Not applicable.

Classification according to Directive 1999/45/EC [DPD]

Primer Set A	The product is not classified as dangerous according to Directive 1999/45/EC and its amendments.
Primer Set B	The product is not classified as dangerous according to Directive 1999/45/EC and its amendments.
Standard 1	The product is not classified as dangerous according to Directive 1999/45/EC and its amendments.
Standard 2	The product is not classified as dangerous according to Directive 1999/45/EC and its amendments.
Standard 3	The product is not classified as dangerous according to Directive 1999/45/EC and its amendments.
Standard 4	The product is not classified as dangerous according to Directive 1999/45/EC and its amendments.
Standard 5	The product is not classified as dangerous according to Directive 1999/45/EC and its amendments.
Reference DNA	The product is not classified as dangerous according to Directive 1999/45/EC and its amendments.
2X Brilliant III SYBR® Green	The product is not classified as dangerous according to Directive 1999/45/EC and its amendments.
QPCR Master Mix	The product is not classified as dangerous according to Directive 1999/45/EC and its amendments.
Reference Dye	The product is not classified as dangerous according to Directive 1999/45/EC and its amendments.

Classification	: Primer Set A	Not classified.
	Primer Set B	Not classified.
	Standard 1	Not classified.
	Standard 2	Not classified.
	Standard 3	Not classified.
	Standard 4	Not classified.
	Standard 5	Not classified.
	Reference DNA	Not classified.
	2X Brilliant III SYBR®	Not classified.
	Green QPCR Master Mix	
	Reference Dye	Not classified.

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

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

2.2 Label elements

Signal word	: Primer Set A	No signal word.
	Primer Set B	No signal word.
	Standard 1	No signal word.
	Standard 2	No signal word.
	Standard 3	No signal word.
	Standard 4	No signal word.
	Standard 5	No signal word.
	Reference DNA	No signal word.
	2X Brilliant III SYBR®	No signal word.

SECTION 2: Hazards identification

	Green QPCR Master Mix	
	Reference Dye	No signal word.
Hazard statements	: Primer Set A	No known significant effects or critical hazards.
	Primer Set B	No known significant effects or critical hazards.
	Standard 1	No known significant effects or critical hazards.
	Standard 2	No known significant effects or critical hazards.
	Standard 3	No known significant effects or critical hazards.
	Standard 4	No known significant effects or critical hazards.
	Standard 5	No known significant effects or critical hazards.
	Reference DNA	No known significant effects or critical hazards.
	2X Brilliant III SYBR®	No known significant effects or critical hazards.
	Green QPCR Master Mix	
	Reference Dye	No known significant effects or critical hazards.
Precautionary statements		
Prevention	: Primer Set A	Not applicable.
	Primer Set B	Not applicable.
	Standard 1	Not applicable.
	Standard 2	Not applicable.
	Standard 3	Not applicable.
	Standard 4	Not applicable.
	Standard 5	Not applicable.
	Reference DNA	Not applicable.
	2X Brilliant III SYBR®	Not applicable.
	Green QPCR Master Mix	
	Reference Dye	Not applicable.
Response	: Primer Set A	Not applicable.
	Primer Set B	Not applicable.
	Standard 1	Not applicable.
	Standard 2	Not applicable.
	Standard 3	Not applicable.
	Standard 4	Not applicable.
	Standard 5	Not applicable.
	Reference DNA	Not applicable.
	2X Brilliant III SYBR®	Not applicable.
	Green QPCR Master Mix	
	Reference Dye	Not applicable.
Storage	: Primer Set A	Not applicable.
	Primer Set B	Not applicable.
	Standard 1	Not applicable.
	Standard 2	Not applicable.
	Standard 3	Not applicable.
	Standard 4	Not applicable.
	Standard 5	Not applicable.
	Reference DNA	Not applicable.
	2X Brilliant III SYBR®	Not applicable.
	Green QPCR Master Mix	
	Reference Dye	Not applicable.
Disposal	: Primer Set A	Not applicable.
	Primer Set B	Not applicable.
	Standard 1	Not applicable.
	Standard 2	Not applicable.
	Standard 3	Not applicable.
	Standard 4	Not applicable.
	Standard 5	Not applicable.
	Reference DNA	Not applicable.
	2X Brilliant III SYBR®	Not applicable.
	Green QPCR Master Mix	
	Reference Dye	Not applicable.
Hazardous ingredients	: No hazardous ingredient	

SECTION 2: Hazards identification

Supplemental label elements	: Primer Set A	Not applicable.
	Primer Set B	Not applicable.
	Standard 1	Not applicable.
	Standard 2	Not applicable.
	Standard 3	Not applicable.
	Standard 4	Not applicable.
	Standard 5	Not applicable.
	Reference DNA	Not applicable.
	2X Brilliant III SYBR®	Not applicable.
	Green QPCR Master Mix	
	Reference Dye	Not applicable.

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles : Not applicable.

Special packaging requirements

Tactile warning of danger	: Primer Set A	Not applicable.
	Primer Set B	Not applicable.
	Standard 1	Not applicable.
	Standard 2	Not applicable.
	Standard 3	Not applicable.
	Standard 4	Not applicable.
	Standard 5	Not applicable.
	Reference DNA	Not applicable.
	2X Brilliant III SYBR®	Not applicable.
	Green QPCR Master Mix	
	Reference Dye	Not applicable.

2.3 Other hazards

Other hazards which do not result in classification	: Primer Set A	None known.
	Primer Set B	None known.
	Standard 1	None known.
	Standard 2	None known.
	Standard 3	None known.
	Standard 4	None known.
	Standard 5	None known.
	Reference DNA	None known.
	2X Brilliant III SYBR®	None known.
	Green QPCR Master Mix	
	Reference Dye	None known.

SECTION 3: Composition/information on ingredients

3.2 Mixtures	: Primer Set A	Mixture
	Primer Set B	Mixture
	Standard 1	Mixture
	Standard 2	Mixture
	Standard 3	Mixture
	Standard 4	Mixture
	Standard 5	Mixture
	Reference DNA	Mixture
	2X Brilliant III SYBR® Green	Mixture
	QPCR Master Mix	
	Reference Dye	Mixture

Product/ingredient name

No hazardous ingredient

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs or vPvBs or have been assigned a workplace exposure limit and hence require reporting in this section.

SECTION 3: Composition/information on ingredientsType

- [1] Substance classified with a health or environmental hazard
 [2] Substance with a workplace exposure limit
 [3] Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII
 [4] Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII
 [5] Substance of equivalent concern

SECTION 4: First aid measures**4.1 Description of first aid measures**

Eye contact	: Primer Set A	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.
	Primer Set 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.
	Standard 1	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.
	Standard 2	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
	Standard 3	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
	Standard 4	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.
	Standard 5	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.
	Reference 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.
	2X Brilliant III SYBR® Green QPCR 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.
	Reference Dye	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	: Primer Set A	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	Primer Set B	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	Standard 1	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	Standard 2	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	Standard 3	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	Standard 4	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	Standard 5	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	Reference DNA	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
2X Brilliant III SYBR®	Remove victim to fresh air and keep at rest in a position	

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	Green QPCR Master Mix	comfortable for breathing. Get medical attention if symptoms occur.
	Reference Dye	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
Skin contact	: Primer Set A	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	Primer Set B	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	Standard 1	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	Standard 2	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	Standard 3	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	Standard 4	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	Standard 5	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	Reference DNA	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	2X Brilliant III SYBR® Green QPCR Master Mix	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	Reference Dye	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
Ingestion	: Primer Set A	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
	Primer Set B	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
	Standard 1	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
	Standard 2	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
	Standard 3	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

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Standard 4	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
Standard 5	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
Reference DNA	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
2X Brilliant III SYBR® Green QPCR Master Mix	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
Reference Dye	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
Protection of first-aiders : Primer Set A	No action shall be taken involving any personal risk or without suitable training.
Primer Set B	No action shall be taken involving any personal risk or without suitable training.
Standard 1	No action shall be taken involving any personal risk or without suitable training.
Standard 2	No action shall be taken involving any personal risk or without suitable training.
Standard 3	No action shall be taken involving any personal risk or without suitable training.
Standard 4	No action shall be taken involving any personal risk or without suitable training.
Standard 5	No action shall be taken involving any personal risk or without suitable training.
Reference DNA	No action shall be taken involving any personal risk or without suitable training.
2X Brilliant III SYBR® Green QPCR Master Mix	No action shall be taken involving any personal risk or without suitable training.
Reference Dye	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

Eye contact : Primer Set A	No known significant effects or critical hazards.
Primer Set B	No known significant effects or critical hazards.
Standard 1	No known significant effects or critical hazards.
Standard 2	No known significant effects or critical hazards.
Standard 3	No known significant effects or critical hazards.
Standard 4	No known significant effects or critical hazards.
Standard 5	No known significant effects or critical hazards.
Reference DNA	No known significant effects or critical hazards.
2X Brilliant III SYBR® Green QPCR Master Mix	No known significant effects or critical hazards.
Reference Dye	No known significant effects or critical hazards.

SECTION 4: First aid measures

Inhalation	:	Primer Set A	No known significant effects or critical hazards.
		Primer Set B	No known significant effects or critical hazards.
		Standard 1	No known significant effects or critical hazards.
		Standard 2	No known significant effects or critical hazards.
		Standard 3	No known significant effects or critical hazards.
		Standard 4	No known significant effects or critical hazards.
		Standard 5	No known significant effects or critical hazards.
		Reference DNA	No known significant effects or critical hazards.
		2X Brilliant III SYBR®	No known significant effects or critical hazards.
		Green QPCR Master Mix	No known significant effects or critical hazards.
Skin contact	:	Primer Set A	No known significant effects or critical hazards.
		Primer Set B	No known significant effects or critical hazards.
		Standard 1	No known significant effects or critical hazards.
		Standard 2	No known significant effects or critical hazards.
		Standard 3	No known significant effects or critical hazards.
		Standard 4	No known significant effects or critical hazards.
		Standard 5	No known significant effects or critical hazards.
		Reference DNA	No known significant effects or critical hazards.
		2X Brilliant III SYBR®	No known significant effects or critical hazards.
		Green QPCR Master Mix	No known significant effects or critical hazards.
Ingestion	:	Primer Set A	No known significant effects or critical hazards.
		Primer Set B	No known significant effects or critical hazards.
		Standard 1	No known significant effects or critical hazards.
		Standard 2	No known significant effects or critical hazards.
		Standard 3	No known significant effects or critical hazards.
		Standard 4	No known significant effects or critical hazards.
		Standard 5	No known significant effects or critical hazards.
		Reference DNA	No known significant effects or critical hazards.
		2X Brilliant III SYBR®	No known significant effects or critical hazards.
		Green QPCR Master Mix	No known significant effects or critical hazards.
	Reference Dye	No known significant effects or critical hazards.	
<u>Over-exposure signs/symptoms</u>			
Eye contact	:	Primer Set A	No specific data.
		Primer Set B	No specific data.
		Standard 1	No specific data.
		Standard 2	No specific data.
		Standard 3	No specific data.
		Standard 4	No specific data.
		Standard 5	No specific data.
		Reference DNA	No specific data.
		2X Brilliant III SYBR®	No specific data.
		Green QPCR Master Mix	No specific data.
Inhalation	:	Primer Set A	No specific data.
		Primer Set B	No specific data.
		Standard 1	No specific data.
		Standard 2	No specific data.
		Standard 3	No specific data.
		Standard 4	No specific data.
		Standard 5	No specific data.
		Reference DNA	No specific data.
		2X Brilliant III SYBR®	No specific data.
		Green QPCR Master Mix	No specific data.
Skin contact	:	Primer Set A	No specific data.
		Primer Set B	No specific data.
		Standard 1	No specific data.
		Standard 2	No specific data.
		Standard 3	No specific data.
		Standard 4	No specific data.
		Standard 5	No specific data.
		Reference DNA	No specific data.
		Reference Dye	No specific data.
		Reference Dye	No specific data.

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Ingestion	:	2X Brilliant III SYBR® Green QPCR Master Mix Reference Dye	No specific data. No specific data.
	:	Primer Set A	No specific data.
	:	Primer Set B	No specific data.
	:	Standard 1	No specific data.
	:	Standard 2	No specific data.
	:	Standard 3	No specific data.
	:	Standard 4	No specific data.
	:	Standard 5	No specific data.
	:	Reference DNA	No specific data.
	:	2X Brilliant III SYBR® Green QPCR Master Mix Reference Dye	No specific data. No specific data.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician	:	Primer Set A	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.	
	:	Primer Set B	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.	
	:	Standard 1	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.	
	:	Standard 2	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.	
	:	Standard 3	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.	
	:	Standard 4	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.	
	:	Standard 5	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.	
	:	Reference DNA	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.	
	:	2X Brilliant III SYBR® Green QPCR Master Mix Reference Dye	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.	
	Specific treatments	:	Primer Set A	No specific treatment.
		:	Primer Set B	No specific treatment.
		:	Standard 1	No specific treatment.
		:	Standard 2	No specific treatment.
:		Standard 3	No specific treatment.	
:		Standard 4	No specific treatment.	
:		Standard 5	No specific treatment.	
:		Reference DNA	No specific treatment.	
:	2X Brilliant III SYBR® Green QPCR Master Mix Reference Dye	No specific treatment. No specific treatment.		

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media	:	Primer Set A	Use an extinguishing agent suitable for the surrounding fire.
	:	Primer Set B	Use an extinguishing agent suitable for the surrounding fire.
	:	Standard 1	Use an extinguishing agent suitable for the surrounding fire.
	:	Standard 2	Use an extinguishing agent suitable for the surrounding fire.
	:	Standard 3	Use an extinguishing agent suitable for the surrounding fire.
	:	Standard 4	Use an extinguishing agent suitable for the surrounding fire.
	:	Standard 5	Use an extinguishing agent suitable for the surrounding fire.
	:	Reference DNA	Use an extinguishing agent suitable for the surrounding fire.
	:	2X Brilliant III SYBR® Green QPCR Master Mix Reference Dye	Use an extinguishing agent suitable for the surrounding fire. Use an extinguishing agent suitable for the surrounding fire.

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Unsuitable extinguishing media	: Primer Set A	None known.
	Primer Set B	None known.
	Standard 1	None known.
	Standard 2	None known.
	Standard 3	None known.
	Standard 4	None known.
	Standard 5	None known.
	Reference DNA	None known.
	2X Brilliant III SYBR®	None known.
	Green QPCR Master Mix Reference Dye	None known.

5.2 Special hazards arising from the substance or mixture

Hazards from the substance or mixture	: Primer Set A	In a fire or if heated, a pressure increase will occur and the container may burst.
	Primer Set B	In a fire or if heated, a pressure increase will occur and the container may burst.
	Standard 1	In a fire or if heated, a pressure increase will occur and the container may burst.
	Standard 2	In a fire or if heated, a pressure increase will occur and the container may burst.
	Standard 3	In a fire or if heated, a pressure increase will occur and the container may burst.
	Standard 4	In a fire or if heated, a pressure increase will occur and the container may burst.
	Standard 5	In a fire or if heated, a pressure increase will occur and the container may burst.
	Reference DNA	In a fire or if heated, a pressure increase will occur and the container may burst.
	2X Brilliant III SYBR®	In a fire or if heated, a pressure increase will occur and the container may burst.
	Green QPCR Master Mix Reference Dye	In a fire or if heated, a pressure increase will occur and the container may burst.

Hazardous combustion products	: Primer Set A	No specific data.
	Primer Set B	No specific data.
	Standard 1	No specific data.
	Standard 2	No specific data.
	Standard 3	No specific data.
	Standard 4	No specific data.
	Standard 5	No specific data.
	Reference DNA	No specific data.
	2X Brilliant III SYBR®	Decomposition products may include the following materials:
	Green QPCR Master Mix	carbon dioxide carbon monoxide sulfur oxides halogenated compounds metal oxide/oxides
Reference Dye	No specific data.	

5.3 Advice for firefighters

Special precautions for fire-fighters	: Primer Set A	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.
	Primer Set 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.
	Standard 1	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
	Standard 2	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
	Standard 3	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be

SECTION 5: Firefighting measures

Special protective equipment for fire-fighters

Standard 4	taken involving any personal risk or without suitable training. 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.
Standard 5	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.
Reference 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.
2X Brilliant III SYBR® Green QPCR 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.
Reference Dye	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.
: Primer Set A	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.
Primer Set B	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.
Standard 1	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.
Standard 2	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.
Standard 3	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.
Standard 4	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.
Standard 5	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.
Reference DNA	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 Brilliant III SYBR®	Fire-fighters should wear appropriate protective equipment

SECTION 5: Firefighting measures

Green QPCR Master Mix	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.
Reference Dye	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	: Primer Set A	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.
	Primer Set B	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.
	Standard 1	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
	Standard 2	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
	Standard 3	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
	Standard 4	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.
	Standard 5	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.
	Reference 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.
	2X Brilliant III SYBR® Green QPCR 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.
	Reference Dye	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

For emergency responders	: Primer Set A	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".
	Primer Set B	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".
	Standard 1	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
	Standard 2	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
	Standard 3	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
	Standard 4	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".
	Standard 5	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".
	Reference 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".
	2X Brilliant III SYBR® Green QPCR 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".
	Reference Dye	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	: Primer Set A	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).
	Primer Set B	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).
	Standard 1	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
	Standard 2	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).
	Standard 3	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
	Standard 4	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).
	Standard 4	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).

SECTION 6: Accidental release measures

Standard 5	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).
Reference 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).
2X Brilliant III SYBR® Green QPCR 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).
Reference Dye	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 : 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	: Primer Set A	Put on appropriate personal protective equipment (see Section 8).
	Primer Set B	Put on appropriate personal protective equipment (see Section 8).
	Standard 1	Put on appropriate personal protective equipment (see Section 8).
	Standard 2	Put on appropriate personal protective equipment (see Section 8).
	Standard 3	Put on appropriate personal protective equipment (see Section 8).
	Standard 4	Put on appropriate personal protective equipment (see Section 8).
	Standard 5	Put on appropriate personal protective equipment (see Section 8).
	Reference DNA	Put on appropriate personal protective equipment (see Section 8).
	2X Brilliant III SYBR® Green QPCR Master Mix	Put on appropriate personal protective equipment (see Section 8).
	Reference Dye	Put on appropriate personal protective equipment (see Section 8).
Advice on general occupational hygiene	: Primer Set A	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.
	Primer Set B	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.
	Standard 1	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.

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Standard 2	Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.
Standard 3	Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.
Standard 4	Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.
Standard 5	Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.
Reference DNA	Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.
2X Brilliant III SYBR® Green QPCR Master Mix	Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.
Reference Dye	Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.

7.2 Conditions for safe storage, including any incompatibilities

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

SECTION 7: Handling and storage

Standard 1	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.
Standard 2	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.
Standard 3	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.
Standard 4	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.
Standard 5	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.
Reference DNA	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.
2X Brilliant III SYBR® Green QPCR 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.
Reference Dye	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and

SECTION 7: Handling and storage

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.

7.3 Specific end use(s)

Recommendations	:	Primer Set A	Industrial applications, Professional applications.
		Primer Set B	Industrial applications, Professional applications.
		Standard 1	Industrial applications, Professional applications.
		Standard 2	Industrial applications, Professional applications.
		Standard 3	Industrial applications, Professional applications.
		Standard 4	Industrial applications, Professional applications.
		Standard 5	Industrial applications, Professional applications.
		Reference DNA	Industrial applications, Professional applications.
		2X Brilliant III SYBR®	Industrial applications, Professional applications.
		Green QPCR Master Mix	Industrial applications, Professional applications.
		Reference Dye	Industrial applications, Professional applications.

Industrial sector specific solutions : Not applicable.

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

No exposure limit value known.

Recommended monitoring procedures

: If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. 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.

DNELs/DMELs

No DNELs 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.

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.

SECTION 8: Exposure controls/personal protection**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** : Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
- 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**9.1 Information on basic physical and chemical properties****Appearance**

Physical state	: Primer Set A	Liquid.
	Primer Set B	Liquid.
	Standard 1	Liquid.
	Standard 2	Liquid.
	Standard 3	Liquid.
	Standard 4	Liquid.
	Standard 5	Liquid.
	Reference DNA	Liquid.
	2X Brilliant III SYBR®	Liquid.
	Green QPCR Master Mix	
Colour	: Reference Dye	Liquid.
	: Primer Set A	Not available.
	Primer Set B	Not available.
	Standard 1	Not available.
	Standard 2	Not available.
	Standard 3	Not available.
	Standard 4	Not available.
	Standard 5	Not available.
	Reference DNA	Not available.
	2X Brilliant III SYBR®	Not available.
Odour	: Green QPCR Master Mix	
	Reference Dye	Not available.
	: Primer Set A	Not available.
	Primer Set B	Not available.
	Standard 1	Not available.
	Standard 2	Not available.
	Standard 3	Not available.
	Standard 4	Not available.
	Standard 5	Not available.
	Reference DNA	Not available.
2X Brilliant III SYBR®	Not available.	
Green QPCR Master Mix		
Reference Dye	Not available.	

SECTION 9: Physical and chemical properties

Odour threshold	:	Primer Set A	Not available.
		Primer Set B	Not available.
		Standard 1	Not available.
		Standard 2	Not available.
		Standard 3	Not available.
		Standard 4	Not available.
		Standard 5	Not available.
		Reference DNA	Not available.
		2X Brilliant III SYBR®	Not available.
		Green QPCR Master Mix	
		Reference Dye	Not available.
pH	:	Primer Set A	7.8
		Primer Set B	7.8
		Standard 1	7.8
		Standard 2	7.8
		Standard 3	7.8
		Standard 4	7.8
		Standard 5	7.8
		Reference DNA	7.8
		2X Brilliant III SYBR®	7.8
		Green QPCR Master Mix	
		Reference Dye	8
Melting point/freezing point	:	Primer Set A	0°C
		Primer Set B	0°C
		Standard 1	0°C
		Standard 2	0°C
		Standard 3	0°C
		Standard 4	0°C
		Standard 5	0°C
		Reference DNA	0°C
		2X Brilliant III SYBR®	Not available.
		Green QPCR Master Mix	
		Reference Dye	0°C
Initial boiling point and boiling range	:	Primer Set A	100°C
		Primer Set B	100°C
		Standard 1	100°C
		Standard 2	100°C
		Standard 3	100°C
		Standard 4	100°C
		Standard 5	100°C
		Reference DNA	100°C
		2X Brilliant III SYBR®	Not available.
		Green QPCR Master Mix	
		Reference Dye	100°C
Flash point	:	Primer Set A	Not available.
		Primer Set B	Not available.
		Standard 1	Not available.
		Standard 2	Not available.
		Standard 3	Not available.
		Standard 4	Not available.
		Standard 5	Not available.
		Reference DNA	Not available.
		2X Brilliant III SYBR®	Not available.
		Green QPCR Master Mix	
		Reference Dye	Not available.

SECTION 9: Physical and chemical properties

Evaporation rate	:	Primer Set A Primer Set B Standard 1 Standard 2 Standard 3 Standard 4 Standard 5 Reference DNA 2X Brilliant III SYBR® Green QPCR Master Mix Reference Dye	Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available.
Flammability (solid, gas)	:	Primer Set A Primer Set B Standard 1 Standard 2 Standard 3 Standard 4 Standard 5 Reference DNA 2X Brilliant III SYBR® Green QPCR Master Mix Reference Dye	Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable.
Upper/lower flammability or explosive limits	:	Primer Set A Primer Set B Standard 1 Standard 2 Standard 3 Standard 4 Standard 5 Reference DNA 2X Brilliant III SYBR® Green QPCR Master Mix Reference Dye	Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available.
Vapour pressure	:	Primer Set A Primer Set B Standard 1 Standard 2 Standard 3 Standard 4 Standard 5 Reference DNA 2X Brilliant III SYBR® Green QPCR Master Mix Reference Dye	Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available.
Vapour density	:	Primer Set A Primer Set B Standard 1 Standard 2 Standard 3 Standard 4 Standard 5 Reference DNA 2X Brilliant III SYBR® Green QPCR Master Mix Reference Dye	Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available.

SECTION 9: Physical and chemical properties

Relative density	:	Primer Set A	Not available.
		Primer Set B	Not available.
		Standard 1	Not available.
		Standard 2	Not available.
		Standard 3	Not available.
		Standard 4	Not available.
		Standard 5	Not available.
		Reference DNA	Not available.
		2X Brilliant III SYBR® Green QPCR Master Mix	Not available.
		Reference Dye	Not available.
Solubility(ies)	:	Primer Set A	Easily soluble in the following materials: cold water and hot water.
		Primer Set B	Easily soluble in the following materials: cold water and hot water.
		Standard 1	Easily soluble in the following materials: cold water and hot water.
		Standard 2	Easily soluble in the following materials: cold water and hot water.
		Standard 3	Easily soluble in the following materials: cold water and hot water.
		Standard 4	Easily soluble in the following materials: cold water and hot water.
		Standard 5	Easily soluble in the following materials: cold water and hot water.
		Reference DNA	Easily soluble in the following materials: cold water and hot water.
		2X Brilliant III SYBR® Green QPCR Master Mix	Soluble in the following materials: cold water and hot water.
		Reference Dye	Easily soluble in the following materials: cold water and hot water.
Partition coefficient: n-octanol/water	:	Primer Set A	Not available.
		Primer Set B	Not available.
		Standard 1	Not available.
		Standard 2	Not available.
		Standard 3	Not available.
		Standard 4	Not available.
		Standard 5	Not available.
		Reference DNA	Not available.
		2X Brilliant III SYBR® Green QPCR Master Mix	Not available.
		Reference Dye	Not available.
Auto-ignition temperature	:	Primer Set A	Not available.
		Primer Set B	Not available.
		Standard 1	Not available.
		Standard 2	Not available.
		Standard 3	Not available.
		Standard 4	Not available.
		Standard 5	Not available.
		Reference DNA	Not available.
		2X Brilliant III SYBR® Green QPCR Master Mix	Not available.
		Reference Dye	Not available.
Decomposition temperature	:	Primer Set A	Not available.
		Primer Set B	Not available.
		Standard 1	Not available.
		Standard 2	Not available.
		Standard 3	Not available.
		Standard 4	Not available.
		Standard 5	Not available.
	Reference DNA	Not available.	

SECTION 9: Physical and chemical properties

	2X Brilliant III SYBR® Green QPCR Master Mix	Not available.
	Reference Dye	Not available.
Viscosity	: Primer Set A	Not available.
	Primer Set B	Not available.
	Standard 1	Not available.
	Standard 2	Not available.
	Standard 3	Not available.
	Standard 4	Not available.
	Standard 5	Not available.
	Reference DNA	Not available.
	2X Brilliant III SYBR® Green QPCR Master Mix	Not available.
	Reference Dye	Not available.
Explosive properties	: Primer Set A	Not available.
	Primer Set B	Not available.
	Standard 1	Not available.
	Standard 2	Not available.
	Standard 3	Not available.
	Standard 4	Not available.
	Standard 5	Not available.
	Reference DNA	Not available.
	2X Brilliant III SYBR® Green QPCR Master Mix	Not available.
	Reference Dye	Not available.
Oxidising properties	: Not available.	

9.2 Other information

No additional information.

SECTION 10: Stability and reactivity

10.1 Reactivity	: Primer Set A	No specific test data related to reactivity available for this product or its ingredients.
	Primer Set B	No specific test data related to reactivity available for this product or its ingredients.
	Standard 1	No specific test data related to reactivity available for this product or its ingredients.
	Standard 2	No specific test data related to reactivity available for this product or its ingredients.
	Standard 3	No specific test data related to reactivity available for this product or its ingredients.
	Standard 4	No specific test data related to reactivity available for this product or its ingredients.
	Standard 5	No specific test data related to reactivity available for this product or its ingredients.
	Reference DNA	No specific test data related to reactivity available for this product or its ingredients.
	2X Brilliant III SYBR® Green QPCR Master Mix	No specific test data related to reactivity available for this product or its ingredients.
	Reference Dye	No specific test data related to reactivity available for this product or its ingredients.
10.2 Chemical stability	: Primer Set A	The product is stable.
	Primer Set B	The product is stable.
	Standard 1	The product is stable.
	Standard 2	The product is stable.
	Standard 3	The product is stable.
	Standard 4	The product is stable.
	Standard 5	The product is stable.
	Reference DNA	The product is stable.

SECTION 10: Stability and reactivity

2X Brilliant III SYBR®
Green QPCR Master Mix
Reference Dye

The product is stable.
The product is stable.

10.3 Possibility of hazardous reactions

: Primer Set A Under normal conditions of storage and use, hazardous reactions will not occur.
Primer Set B Under normal conditions of storage and use, hazardous reactions will not occur.
Standard 1 Under normal conditions of storage and use, hazardous reactions will not occur.
Standard 2 Under normal conditions of storage and use, hazardous reactions will not occur.
Standard 3 Under normal conditions of storage and use, hazardous reactions will not occur.
Standard 4 Under normal conditions of storage and use, hazardous reactions will not occur.
Standard 5 Under normal conditions of storage and use, hazardous reactions will not occur.
Reference DNA Under normal conditions of storage and use, hazardous reactions will not occur.
2X Brilliant III SYBR® Under normal conditions of storage and use, hazardous reactions will not occur.
Green QPCR Master Mix Under normal conditions of storage and use, hazardous reactions will not occur.
Reference Dye Under normal conditions of storage and use, hazardous reactions will not occur.

10.4 Conditions to avoid

: Primer Set A No specific data.
Primer Set B No specific data.
Standard 1 No specific data.
Standard 2 No specific data.
Standard 3 No specific data.
Standard 4 No specific data.
Standard 5 No specific data.
Reference DNA No specific data.
2X Brilliant III SYBR® No specific data.
Green QPCR Master Mix
Reference Dye No specific data.

10.5 Incompatible materials

: Primer Set A No specific data.
Primer Set B No specific data.
Standard 1 No specific data.
Standard 2 No specific data.
Standard 3 No specific data.
Standard 4 No specific data.
Standard 5 No specific data.
Reference DNA No specific data.
2X Brilliant III SYBR® No specific data.
Green QPCR Master Mix
Reference Dye No specific data.

10.6 Hazardous decomposition products

: Primer Set A Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Primer Set B Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Standard 1 Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Standard 2 Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Standard 3 Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Standard 4 Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Standard 5 Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 10: Stability and reactivity

Reference DNA	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
2X Brilliant III SYBR® Green QPCR Master Mix Reference Dye	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

Not available.

Irritation/Corrosion

Conclusion/Summary : Not available.

Sensitiser

Conclusion/Summary : Not available.

Chronic toxicity / Carcinogenicity / Mutagenicity / Teratogenicity / Reproductive toxicity

Not available.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Information on the likely routes of exposure	Primer Set A	Not available.
	Primer Set B	Not available.
	Standard 1	Not available.
	Standard 2	Not available.
	Standard 3	Not available.
	Standard 4	Not available.
	Standard 5	Not available.
	Reference DNA	Not available.
	2X Brilliant III SYBR® Green QPCR Master Mix	Not available.
	Reference Dye	Not available.

Potential acute health effects

Inhalation	:	Primer Set A	No known significant effects or critical hazards.
		Primer Set B	No known significant effects or critical hazards.
		Standard 1	No known significant effects or critical hazards.
		Standard 2	No known significant effects or critical hazards.
		Standard 3	No known significant effects or critical hazards.
		Standard 4	No known significant effects or critical hazards.
		Standard 5	No known significant effects or critical hazards.
		Reference DNA	No known significant effects or critical hazards.
		2X Brilliant III SYBR® Green QPCR Master Mix	No known significant effects or critical hazards.
		Reference Dye	No known significant effects or critical hazards.
Ingestion	:	Primer Set A	No known significant effects or critical hazards.
		Primer Set B	No known significant effects or critical hazards.
		Standard 1	No known significant effects or critical hazards.
		Standard 2	No known significant effects or critical hazards.
		Standard 3	No known significant effects or critical hazards.
		Standard 4	No known significant effects or critical hazards.
		Standard 5	No known significant effects or critical hazards.
		Reference DNA	No known significant effects or critical hazards.
	2X Brilliant III SYBR®	No known significant effects or critical hazards.	

SECTION 11: Toxicological information

	Green QPCR Master Mix	
	Reference Dye	No known significant effects or critical hazards.
Skin contact	: Primer Set A	No known significant effects or critical hazards.
	Primer Set B	No known significant effects or critical hazards.
	Standard 1	No known significant effects or critical hazards.
	Standard 2	No known significant effects or critical hazards.
	Standard 3	No known significant effects or critical hazards.
	Standard 4	No known significant effects or critical hazards.
	Standard 5	No known significant effects or critical hazards.
	Reference DNA	No known significant effects or critical hazards.
	2X Brilliant III SYBR®	No known significant effects or critical hazards.
	Green QPCR Master Mix	
	Reference Dye	No known significant effects or critical hazards.
Eye contact	: Primer Set A	No known significant effects or critical hazards.
	Primer Set B	No known significant effects or critical hazards.
	Standard 1	No known significant effects or critical hazards.
	Standard 2	No known significant effects or critical hazards.
	Standard 3	No known significant effects or critical hazards.
	Standard 4	No known significant effects or critical hazards.
	Standard 5	No known significant effects or critical hazards.
	Reference DNA	No known significant effects or critical hazards.
	2X Brilliant III SYBR®	No known significant effects or critical hazards.
	Green QPCR Master Mix	
	Reference Dye	No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Inhalation	: Primer Set A	No specific data.
	Primer Set B	No specific data.
	Standard 1	No specific data.
	Standard 2	No specific data.
	Standard 3	No specific data.
	Standard 4	No specific data.
	Standard 5	No specific data.
	Reference DNA	No specific data.
	2X Brilliant III SYBR®	No specific data.
	Green QPCR Master Mix	
	Reference Dye	No specific data.
Ingestion	: Primer Set A	No specific data.
	Primer Set B	No specific data.
	Standard 1	No specific data.
	Standard 2	No specific data.
	Standard 3	No specific data.
	Standard 4	No specific data.
	Standard 5	No specific data.
	Reference DNA	No specific data.
	2X Brilliant III SYBR®	No specific data.
	Green QPCR Master Mix	
	Reference Dye	No specific data.
Skin contact	: Primer Set A	No specific data.
	Primer Set B	No specific data.
	Standard 1	No specific data.
	Standard 2	No specific data.
	Standard 3	No specific data.
	Standard 4	No specific data.
	Standard 5	No specific data.
	Reference DNA	No specific data.
	2X Brilliant III SYBR®	No specific data.
	Green QPCR Master Mix	
	Reference Dye	No specific data.

SECTION 11: Toxicological information

Eye contact	:	Primer Set A	No specific data.
		Primer Set B	No specific data.
		Standard 1	No specific data.
		Standard 2	No specific data.
		Standard 3	No specific data.
		Standard 4	No specific data.
		Standard 5	No specific data.
		Reference DNA	No specific data.
		2X Brilliant III SYBR®	No specific data.
		Green QPCR Master Mix	
		Reference Dye	No specific data.

Delayed and immediate effects and also 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

General	:	Primer Set A	No known significant effects or critical hazards.
		Primer Set B	No known significant effects or critical hazards.
		Standard 1	No known significant effects or critical hazards.
		Standard 2	No known significant effects or critical hazards.
		Standard 3	No known significant effects or critical hazards.
		Standard 4	No known significant effects or critical hazards.
		Standard 5	No known significant effects or critical hazards.
		Reference DNA	No known significant effects or critical hazards.
		2X Brilliant III SYBR®	No known significant effects or critical hazards.
		Green QPCR Master Mix	
		Reference Dye	No known significant effects or critical hazards.
Carcinogenicity	:	Primer Set A	No known significant effects or critical hazards.
		Primer Set B	No known significant effects or critical hazards.
		Standard 1	No known significant effects or critical hazards.
		Standard 2	No known significant effects or critical hazards.
		Standard 3	No known significant effects or critical hazards.
		Standard 4	No known significant effects or critical hazards.
		Standard 5	No known significant effects or critical hazards.
		Reference DNA	No known significant effects or critical hazards.
		2X Brilliant III SYBR®	No known significant effects or critical hazards.
		Green QPCR Master Mix	
		Reference Dye	No known significant effects or critical hazards.
Mutagenicity	:	Primer Set A	No known significant effects or critical hazards.
		Primer Set B	No known significant effects or critical hazards.
		Standard 1	No known significant effects or critical hazards.
		Standard 2	No known significant effects or critical hazards.
		Standard 3	No known significant effects or critical hazards.
		Standard 4	No known significant effects or critical hazards.
		Standard 5	No known significant effects or critical hazards.
		Reference DNA	No known significant effects or critical hazards.
		2X Brilliant III SYBR®	No known significant effects or critical hazards.
		Green QPCR Master Mix	
		Reference Dye	No known significant effects or critical hazards.

SECTION 11: Toxicological information

Teratogenicity	:	Primer Set A	No known significant effects or critical hazards.
		Primer Set B	No known significant effects or critical hazards.
		Standard 1	No known significant effects or critical hazards.
		Standard 2	No known significant effects or critical hazards.
		Standard 3	No known significant effects or critical hazards.
		Standard 4	No known significant effects or critical hazards.
		Standard 5	No known significant effects or critical hazards.
		Reference DNA	No known significant effects or critical hazards.
		2X Brilliant III SYBR®	No known significant effects or critical hazards.
		Green QPCR Master Mix	No known significant effects or critical hazards.
Developmental effects	:	Primer Set A	No known significant effects or critical hazards.
		Primer Set B	No known significant effects or critical hazards.
		Standard 1	No known significant effects or critical hazards.
		Standard 2	No known significant effects or critical hazards.
		Standard 3	No known significant effects or critical hazards.
		Standard 4	No known significant effects or critical hazards.
		Standard 5	No known significant effects or critical hazards.
		Reference DNA	No known significant effects or critical hazards.
		2X Brilliant III SYBR®	No known significant effects or critical hazards.
		Green QPCR Master Mix	No known significant effects or critical hazards.
Fertility effects	:	Primer Set A	No known significant effects or critical hazards.
		Primer Set B	No known significant effects or critical hazards.
		Standard 1	No known significant effects or critical hazards.
		Standard 2	No known significant effects or critical hazards.
		Standard 3	No known significant effects or critical hazards.
		Standard 4	No known significant effects or critical hazards.
		Standard 5	No known significant effects or critical hazards.
		Reference DNA	No known significant effects or critical hazards.
		2X Brilliant III SYBR®	No known significant effects or critical hazards.
		Green QPCR Master Mix	No known significant effects or critical hazards.
Toxicokinetics	:	Primer Set A	No known significant effects or critical hazards.
		Primer Set B	No known significant effects or critical hazards.
		Standard 1	No known significant effects or critical hazards.
		Standard 2	No known significant effects or critical hazards.
		Standard 3	No known significant effects or critical hazards.
		Standard 4	No known significant effects or critical hazards.
		Standard 5	No known significant effects or critical hazards.
		Reference DNA	No known significant effects or critical hazards.
		2X Brilliant III SYBR®	No known significant effects or critical hazards.
		Green QPCR Master Mix	No known significant effects or critical hazards.
Absorption	:	Primer Set A	Not available.
		Primer Set B	Not available.
		Standard 1	Not available.
		Standard 2	Not available.
		Standard 3	Not available.
		Standard 4	Not available.
		Standard 5	Not available.
		Reference DNA	Not available.
		2X Brilliant III SYBR®	Not available.
		Green QPCR Master Mix	Not available.
Distribution	:	Primer Set A	Not available.
		Primer Set B	Not available.
		Standard 1	Not available.
		Standard 2	Not available.
		Standard 3	Not available.
		Standard 4	Not available.
		Standard 5	Not available.
		Reference DNA	Not available.
		2X Brilliant III SYBR®	Not available.
		Green QPCR Master Mix	Not available.
Metabolism	:	Primer Set A	Not available.
		Primer Set B	Not available.
		Standard 1	Not available.
		Standard 2	Not available.
		Standard 3	Not available.
		Standard 4	Not available.
		Standard 5	Not available.
		Reference DNA	Not available.
		2X Brilliant III SYBR®	Not available.
		Green QPCR Master Mix	Not available.

SECTION 11: Toxicological information

	2X Brilliant III SYBR®	Not available.
	Green QPCR Master Mix	
	Reference Dye	Not available.
Elimination	: Primer Set A	Not available.
	Primer Set B	Not available.
	Standard 1	Not available.
	Standard 2	Not available.
	Standard 3	Not available.
	Standard 4	Not available.
	Standard 5	Not available.
	Reference DNA	Not available.
	2X Brilliant III SYBR®	Not available.
	Green QPCR Master Mix	
	Reference Dye	Not available.
Other information	: Primer Set A	Not available.
	Primer Set B	Not available.
	Standard 1	Not available.
	Standard 2	Not available.
	Standard 3	Not available.
	Standard 4	Not available.
	Standard 5	Not available.
	Reference DNA	Not available.
	2X Brilliant III SYBR®	Not available.
	Green QPCR Master Mix	
	Reference Dye	Not available.

SECTION 12: Ecological information**12.1 Toxicity**

Conclusion/Summary : Not available.

12.2 Persistence and degradability

Conclusion/Summary : Not available.

12.3 Bioaccumulative potential

Not available.

12.4 Mobility in soil

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

Mobility : Not available.

12.5 Results of PBT and vPvB assessment

PBT : Not applicable.

vPvB : Not applicable.

12.6 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.

SECTION 13: Disposal considerations

- Hazardous waste** : Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 91/689/EEC.
- 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

Regulatory information

ADR/RID / IMDG / IATA : Not regulated.

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 Annex II of MARPOL 73/78 and the IBC Code : 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 : Not applicable.

Other EU regulations

Europe inventory : Not determined.

Seveso II Directive

This product is not controlled under the Seveso II Directive.

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

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

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

Rotterdam Convention on Prior Inform Consent (PIC)

Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

SECTION 15: Regulatory information

International lists

National inventory

Australia	: All components are listed or exempted.
Canada	: All components are listed or exempted.
China	: Not determined.
Japan	: All components are listed or exempted.
Malaysia	: All components are listed or exempted.
New Zealand	: All components are listed or exempted.
Philippines	: Not determined.
Republic of Korea	: Not determined.
Taiwan	: Not determined.
United States	: Not determined.

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]
 DNEL = Derived No Effect Level
 EUH statement = CLP-specific Hazard statement
 PNEC = Predicted No Effect Concentration
 RRN = REACH Registration Number

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Classification	Justification
Not classified.	

Date of issue/ Date of revision : 03/04/2015

Date of previous issue : No previous validation.

Version : 1

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