

Agilent Technologies Australia Pty Ltd
679 Springvale Road
Mulgrave
Victoria 3170, Australia
1800 802 402

Brilliant II QRT-PCR Master Mix - 1-Step - 10-pack, Part Number 600818

1. Identification of the material and supplier

Names

Product name : Brilliant II QRT-PCR Master Mix - 1-Step - 10-pack, Part Number 600818
Part No. (Chemical Kit) : 600818
Part No. : 2× Brilliant II QRT-PCR Master Mix 600809-51
Reference dye, 1mM 600530-53
RT/RNase Block Enzyme Mixture 600809-52
ADG : Not regulated as Dangerous Goods according to the ADG Code

Supplier

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

Emergency telephone number : CHEMTREC®: +(61)-290372994

Uses

Area of application : 2× Brilliant II QRT-PCR Master Mix Industrial applications, Professional applications.
Reference dye, 1mM Industrial applications, Professional applications.
RT/RNase Block Enzyme Mixture Industrial applications, Professional applications.

Material uses : Analytical reagent.
2× Brilliant II QRT-PCR Master Mix 50 ml (20 Tubes x 2.5 ml)
Reference dye, 1mM 1 ml
RT/RNase Block Enzyme Mixture 4 ml

2. Hazards identification

Classification : 2× Brilliant II QRT-PCR Master Mix Not regulated.
Reference dye, 1mM Not regulated.
RT/RNase Block Enzyme Mixture Not regulated.
Risk phrases : 2× Brilliant II QRT-PCR Master Mix Not classified.
Reference dye, 1mM Not classified.
RT/RNase Block Enzyme Mixture Not classified.
Safety phrases : 2× Brilliant II QRT-PCR Master Mix S36- Wear suitable protective clothing.
Reference dye, 1mM S36- Wear suitable protective clothing.
RT/RNase Block Enzyme Mixture S36- Wear suitable protective clothing.
Statement of hazardous/dangerous nature : 2× Brilliant II QRT-PCR Master Mix NON-HAZARDOUS SUBSTANCE. NON-DANGEROUS GOODS.
Reference dye, 1mM NON-HAZARDOUS SUBSTANCE. NON-DANGEROUS GOODS.
RT/RNase Block Enzyme Mixture NON-HAZARDOUS SUBSTANCE. NON-DANGEROUS GOODS.

3 . Composition/information on ingredients

Mixture	:	2× Brilliant II QRT-PCR Master Mix	Yes.
		Reference dye, 1mM	Yes.
		RT/RNase Block Enzyme Mixture	Yes.

Ingredient name	CAS number	Concentration
2× Brilliant II QRT-PCR Master Mix		
Glycerol	56-81-5	10 - <30
Polyethylene glycol	25322-68-3	<10
RT/RNase Block Enzyme Mixture		
Glycerol	56-81-5	30 - 60

Other ingredients, determined not to be hazardous according to Safe Work Australia criteria, and not dangerous according to the ADG Code, make up the product concentration to 100%.

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

4 . First-aid measures

Inhalation	:	2× Brilliant II QRT-PCR Master Mix	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
		Reference dye, 1mM	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.
		RT/RNase Block Enzyme Mixture	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
Ingestion	:	2× Brilliant II QRT-PCR 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, 1mM	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.
		RT/RNase Block Enzyme Mixture	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.

4 . First-aid measures

Skin contact	: 2× Brilliant II QRT-PCR Master Mix Reference dye, 1mM RT/RNase Block Enzyme Mixture	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
Eye contact	: 2× Brilliant II QRT-PCR Master Mix Reference dye, 1mM 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. 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. 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.
Protection of first-aiders	: 2× Brilliant II QRT-PCR Master Mix Reference dye, 1mM RT/RNase Block Enzyme Mixture	No action shall be taken involving any personal risk or without suitable training. No action shall be taken involving any personal risk or without suitable training. No action shall be taken involving any personal risk or without suitable training.
Advice to doctor	: 2× Brilliant II QRT-PCR Master Mix Reference dye, 1mM RT/RNase Block Enzyme Mixture	No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. 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. No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

5 . Fire-fighting measures

Extinguishing media

Suitable	: 2× Brilliant II QRT-PCR Master Mix Reference dye, 1mM RT/RNase Block Enzyme Mixture	Use an extinguishing agent suitable for the surrounding fire. Use an extinguishing agent suitable for the surrounding fire. Use an extinguishing agent suitable for the surrounding fire.
Not suitable	: 2× Brilliant II QRT-PCR Master Mix Reference dye, 1mM RT/RNase Block Enzyme Mixture	None known. None known. None known.
Special exposure hazards	: 2× Brilliant II QRT-PCR Master Mix Reference dye, 1mM 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. 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. 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

5 . Fire-fighting measures

	2× Brilliant II QRT-PCR Master Mix Reference dye, 1mM	personal risk or without suitable training. In a fire or if heated, a pressure increase will occur and the container may burst. In a fire or if heated, a pressure increase will occur and the container may burst.
	RT/RNase Block Enzyme Mixture	In a fire or if heated, a pressure increase will occur and the container may burst.
Hazardous thermal decomposition products	: 2× Brilliant II QRT-PCR Master Mix Reference dye, 1mM	Decomposition products may include the following materials: carbon dioxide carbon monoxide sulfur oxides Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides halogenated compounds metal oxide/oxides
	RT/RNase Block Enzyme Mixture	Decomposition products may include the following materials: carbon dioxide carbon monoxide
Special protective equipment for fire-fighters	: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.	

6 . Accidental release measures

Personal precautions	: 2× Brilliant II QRT-PCR Master Mix Reference dye, 1mM	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 (see Section 8). 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 (see Section 8).
	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. Do not touch or walk through spilt material. Put on appropriate personal protective equipment (see Section 8).
Environmental precautions	: 2× Brilliant II QRT-PCR Master Mix Reference dye, 1mM	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). 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).
	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,

6 . Accidental release measures

<p>Methods for cleaning up</p>	<p>: 2× Brilliant II QRT-PCR Master Mix</p>	<p>waterways, soil or air). 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.</p>
	<p>Reference dye, 1mM</p>	<p>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.</p>
	<p>RT/RNase Block Enzyme Mixture</p>	<p>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.</p>

7 . Handling and storage

<p>Handling</p>	<p>: 2× Brilliant II QRT-PCR Master Mix</p>	<p>Put on appropriate personal protective equipment (see Section 8). 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.</p>
	<p>Reference dye, 1mM</p>	<p>Put on appropriate personal protective equipment (see Section 8). 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.</p>
	<p>RT/RNase Block Enzyme Mixture</p>	<p>Put on appropriate personal protective equipment (see Section 8). 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.</p>
<p>Storage</p>	<p>: 2× Brilliant II QRT-PCR Master Mix</p>	<p>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.</p>
	<p>Reference dye, 1mM</p>	<p>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</p>

7 . Handling and storage

RT/RNase Block Enzyme Mixture

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.

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.

8 . Exposure controls/personal protection

Occupational exposure limits

Ingredient name	Exposure limits
2× Brilliant II QRT-PCR Master Mix Glycerol Polyethylene glycol	Safe Work Australia (Australia, 4/2013). TWA: 10 mg/m ³ 8 hours. TRGS900 AGW (Germany, 8/2010). PEAK: 8000 mg/m ³ 15 minutes. Form: inhalable fraction TWA: 1000 mg/m ³ 8 hours. Form: inhalable fraction
RT/RNase Block Enzyme Mixture Glycerol	Safe Work Australia (Australia, 4/2013). TWA: 10 mg/m ³ 8 hours.

No additional exposure standard allocated for other ingredients/components covered by the MSDS other than those listed in the table above.

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 appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

Exposure controls

- Engineering measures** : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
- 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.
- Eyes** : 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 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.
- Hands** : 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.
- Respiratory** : 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.

8 . Exposure controls/personal protection

- Skin** : 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.
- 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.

9 . Physical and chemical properties

Physical state	: 2× Brilliant II QRT-PCR Master Mix	Liquid.
	Reference dye, 1mM	Liquid.
	RT/RNase Block Enzyme Mixture	Liquid.
Colour	: 2× Brilliant II QRT-PCR Master Mix	Not available.
	Reference dye, 1mM	Not available.
	RT/RNase Block Enzyme Mixture	Not available.
Odour	: 2× Brilliant II QRT-PCR Master Mix	Not available.
	Reference dye, 1mM	Not available.
	RT/RNase Block Enzyme Mixture	Not available.
Odour threshold	: 2× Brilliant II QRT-PCR Master Mix	Not available.
	Reference dye, 1mM	Not available.
	RT/RNase Block Enzyme Mixture	Not available.
Boiling point	: 2× Brilliant II QRT-PCR Master Mix	Not available.
	Reference dye, 1mM	Not available.
	RT/RNase Block Enzyme Mixture	Not available.
Melting point	: 2× Brilliant II QRT-PCR Master Mix	Not available.
	Reference dye, 1mM	Not available.
	RT/RNase Block Enzyme Mixture	Not available.
Vapour pressure	: 2× Brilliant II QRT-PCR Master Mix	Not available.
	Reference dye, 1mM	Not available.
	RT/RNase Block Enzyme Mixture	Not available.
Relative density	: 2× Brilliant II QRT-PCR Master Mix	Not available.
	Reference dye, 1mM	Not available.
	RT/RNase Block Enzyme Mixture	Not available.
Flash point	: 2× Brilliant II QRT-PCR Master Mix	Not available.
	Reference dye, 1mM	Not available.
	RT/RNase Block Enzyme Mixture	Not available.
Flammable limits	: 2× Brilliant II QRT-PCR Master Mix	Not available.
	Reference dye, 1mM	Not available.
	RT/RNase Block Enzyme Mixture	Not available.
Vapour density	: 2× Brilliant II QRT-PCR Master Mix	Not available.
	Reference dye, 1mM	Not available.
	RT/RNase Block Enzyme Mixture	Not available.
pH	: 2× Brilliant II QRT-PCR Master Mix	Not available.
	Reference dye, 1mM	8
	RT/RNase Block Enzyme Mixture	Not available.
Viscosity	: 2× Brilliant II QRT-PCR Master Mix	Not available.
	Reference dye, 1mM	Not available.
	RT/RNase Block Enzyme Mixture	Not available.

9 . Physical and chemical properties

Auto-ignition temperature	: 2× Brilliant II QRT-PCR Master Mix Reference dye, 1mM RT/RNase Block Enzyme Mixture	Not available. Not available. Not available.
Evaporation rate	: 2× Brilliant II QRT-PCR Master Mix Reference dye, 1mM RT/RNase Block Enzyme Mixture	Not available. Not available. Not available.
Solubility	: 2× Brilliant II QRT-PCR Master Mix Reference dye, 1mM RT/RNase Block Enzyme Mixture	Soluble in the following materials: cold water and hot water. Easily soluble in the following materials: cold water and hot water. Soluble in the following materials: cold water and hot water.

10 . Stability and reactivity

Chemical stability	: 2× Brilliant II QRT-PCR Master Mix Reference dye, 1mM RT/RNase Block Enzyme Mixture	The product is stable. The product is stable. The product is stable.
Possibility of hazardous reactions	: 2× Brilliant II QRT-PCR Master Mix Reference dye, 1mM RT/RNase Block Enzyme Mixture	Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	: 2× Brilliant II QRT-PCR Master Mix Reference dye, 1mM RT/RNase Block Enzyme Mixture	No specific data. No specific data. No specific data.
Materials to avoid	: 2× Brilliant II QRT-PCR Master Mix Reference dye, 1mM RT/RNase Block Enzyme Mixture	No specific data. No specific data. No specific data.
Hazardous decomposition products	: 2× Brilliant II QRT-PCR Master Mix Reference dye, 1mM RT/RNase Block Enzyme Mixture	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.

11 . Toxicological information

Potential acute health effects

Inhalation	: 2× Brilliant II QRT-PCR Master Mix Reference dye, 1mM RT/RNase Block Enzyme Mixture	No known significant effects or critical hazards. Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure. No known significant effects or critical hazards.
Ingestion	: 2× Brilliant II QRT-PCR Master Mix Reference dye, 1mM RT/RNase Block Enzyme Mixture	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
Skin contact	: 2× Brilliant II QRT-PCR Master Mix Reference dye, 1mM RT/RNase Block Enzyme Mixture	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.

11 . Toxicological information

Eye contact : 2× Brilliant II QRT-PCR Master Mix
 Reference dye, 1mM
 RT/RNase Block Enzyme Mixture
 No known significant effects or critical hazards.
 No known significant effects or critical hazards.
 No known significant effects or critical hazards.

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
2× Brilliant II QRT-PCR Master Mix Glycerol	LD50 Oral	Rat	12600 mg/kg	-
RT/RNase Block Enzyme Mixture Glycerol	LD50 Oral	Rat	12600 mg/kg	-

Conclusion/Summary : Not available.

Potential chronic health effects

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
2× Brilliant II QRT-PCR Master Mix Glycerol	Eyes - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
Polyethylene glycol	Eyes - Mild irritant	Rabbit	-	-	-
	Skin - Mild irritant	Rabbit	-	-	-
RT/RNase Block Enzyme Mixture Glycerol	Eyes - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 milligrams	-

Conclusion/Summary : Not available.

Sensitiser

Conclusion/Summary : Not available.

Chronic toxicity / Carcinogenicity / Mutagenicity / Teratogenicity / Reproductive toxicity

Not available.

Chronic effects : 2× Brilliant II QRT-PCR Master Mix
 Reference dye, 1mM
 RT/RNase Block Enzyme Mixture
 No known significant effects or critical hazards.
 No known significant effects or critical hazards.
 No known significant effects or critical hazards.

Carcinogenicity : 2× Brilliant II QRT-PCR Master Mix
 Reference dye, 1mM
 RT/RNase Block Enzyme Mixture
 No known significant effects or critical hazards.
 No known significant effects or critical hazards.
 No known significant effects or critical hazards.

Mutagenicity : 2× Brilliant II QRT-PCR Master Mix
 Reference dye, 1mM
 RT/RNase Block Enzyme Mixture
 No known significant effects or critical hazards.
 No known significant effects or critical hazards.
 No known significant effects or critical hazards.

Teratogenicity : 2× Brilliant II QRT-PCR Master Mix
 Reference dye, 1mM
 RT/RNase Block Enzyme Mixture
 No known significant effects or critical hazards.
 No known significant effects or critical hazards.
 No known significant effects or critical hazards.

Developmental effects : 2× Brilliant II QRT-PCR Master Mix
 Reference dye, 1mM
 RT/RNase Block Enzyme Mixture
 No known significant effects or critical hazards.
 No known significant effects or critical hazards.
 No known significant effects or critical hazards.

11 . Toxicological information

Fertility effects	: 2× Brilliant II QRT-PCR Master Mix Reference dye, 1mM RT/RNase Block Enzyme Mixture	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
Over-exposure signs/symptoms		
Inhalation	: 2× Brilliant II QRT-PCR Master Mix Reference dye, 1mM RT/RNase Block Enzyme Mixture	No specific data. No specific data. No specific data.
Ingestion	: 2× Brilliant II QRT-PCR Master Mix Reference dye, 1mM RT/RNase Block Enzyme Mixture	No specific data. No specific data. No specific data.
Skin	: 2× Brilliant II QRT-PCR Master Mix Reference dye, 1mM RT/RNase Block Enzyme Mixture	No specific data. No specific data. No specific data.
Eyes	: 2× Brilliant II QRT-PCR Master Mix Reference dye, 1mM RT/RNase Block Enzyme Mixture	No specific data. No specific data. No specific data.
Other adverse symptoms	: 2× Brilliant II QRT-PCR Master Mix Reference dye, 1mM RT/RNase Block Enzyme Mixture	Not available. Not available. Not available.
Target organs	: 2× Brilliant II QRT-PCR Master Mix Reference dye, 1mM RT/RNase Block Enzyme Mixture	Contains material which may cause damage to the following organs: kidneys, liver, upper respiratory tract, skin, eye, lens or cornea. Contains material which may cause damage to the following organs: gastrointestinal tract, upper respiratory tract, skin, eye, lens or cornea. Contains material which may cause damage to the following organs: kidneys, upper respiratory tract, skin, eye, lens or cornea.

12 . Ecological information

Ecotoxicity : No known significant effects or critical hazards.

Aquatic ecotoxicity

Product/ingredient name	Result	Species	Exposure
2× Brilliant II QRT-PCR Master Mix Polyethylene glycol	Acute LC50 >1000000 µg/l Fresh water	Fish - Salmo salar - Parr	96 hours

Other ecological information

Bioaccumulative potential

Product/ingredient name	LogP _{ow}	BCF	Potential
2× Brilliant II QRT-PCR Master Mix Glycerol	-1.76	-	low
RT/RNase Block Enzyme Mixture Glycerol	-1.76	-	low

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

13 . Disposal considerations

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. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

14 . Transport information

Regulatory information

ADG / IMDG / IATA : Not regulated as Dangerous Goods according to the ADG Code .

15 . Regulatory information

Standard Uniform Schedule of Medicine and Poisons

6, 5

Control of Scheduled Carcinogenic Substances

<u>Ingredient name</u>	<u>Schedule</u>
No listed substance	

Australia inventory (AICS) : At least one component is not listed.

16 . Other information

Remarks :
Date of issue : 28/04/2014
Date of previous issue : 05/03/2012.

✔ Indicates information that has changed from previously issued version.

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