

SAFETY DATA SHEET



Brilliant Multiplex QPCR Master Mix, Part Number 600553

Section 1. Identification

Product identifier : Brilliant Multiplex QPCR Master Mix, Part Number 600553
Part No. (Chemical Kit) : 600553
Part No. : Brilliant Multiplex QPCR Master Mix 600553-51
 Reference Dye 600530-53

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

Analytical reagent.

Brilliant Multiplex QPCR Master Mix 2.5 ml
 Reference Dye 0.1 ml (100 µl 1 mM)

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

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

Section 2. Hazard(s) identification

Classification of the substance or mixture

Not classified.

<input checked="" type="checkbox"/> Brilliant Multiplex QPCR Master Mix Reference Dye	Percentage of the mixture consisting of ingredient(s) of unknown inhalation toxicity: 10 - 30% Percentage of the mixture consisting of ingredient(s) of unknown dermal toxicity: 1 - 10% Percentage of the mixture consisting of ingredient(s) of unknown inhalation toxicity: 1 - 10% Percentage of the mixture consisting of ingredient(s) of unknown oral toxicity: 1 - 10%
<input type="checkbox"/> Reference Dye	Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 2.4%

GHS label elements

Signal word : Brilliant Multiplex QPCR Master Mix No signal word.
 Reference Dye No signal word.

Hazard statements : Brilliant Multiplex QPCR Master Mix No known significant effects or critical hazards.
 Reference Dye No known significant effects or critical hazards.

Precautionary statements

Prevention : Brilliant Multiplex QPCR Master Mix Not applicable.
 Reference Dye Not applicable.

Response : Brilliant Multiplex QPCR Master Mix Not applicable.
 Reference Dye Not applicable.

Storage : Brilliant Multiplex QPCR Master Mix Not applicable.
 Reference Dye Not applicable.

Section 2. Hazard(s) identification

Disposal	: <input checked="" type="checkbox"/> Brilliant Multiplex QPCR Master Mix	Not applicable.
	Reference Dye	Not applicable.
Supplemental label elements		
Additional warning phrases	: <input checked="" type="checkbox"/> Brilliant Multiplex QPCR Master Mix	Not applicable.
	Reference Dye	Not applicable.
Other hazards which do not result in classification	: <input checked="" type="checkbox"/> Brilliant Multiplex QPCR Master Mix	None known.
	Reference Dye	None known.

Section 3. Composition and ingredient information

Substance/mixture	: <input checked="" type="checkbox"/> Brilliant Multiplex QPCR Master Mix	Mixture
	Reference Dye	Mixture

CAS number/other identifiers

Ingredient name	% (w/w)	CAS number
<input checked="" type="checkbox"/> Brilliant Multiplex QPCR Master Mix Glycerol	≥10 - ≤30	56-81-5

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

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

Section 4. First aid measures

Description of necessary first aid measures

Eye contact	: <input checked="" type="checkbox"/> Brilliant Multiplex 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	: <input checked="" type="checkbox"/> Brilliant Multiplex QPCR 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	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.
Skin contact	: <input checked="" type="checkbox"/> Brilliant Multiplex 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.

Section 4. First aid measures

Ingestion	: <input checked="" type="checkbox"/> Brilliant Multiplex 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.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact	: <input checked="" type="checkbox"/> Brilliant Multiplex QPCR Master Mix	No known significant effects or critical hazards.
	Reference Dye	No known significant effects or critical hazards.
Inhalation	: <input checked="" type="checkbox"/> Brilliant Multiplex QPCR Master Mix	No known significant effects or critical hazards.
	Reference Dye	No known significant effects or critical hazards.
Skin contact	: <input checked="" type="checkbox"/> Brilliant Multiplex QPCR Master Mix	No known significant effects or critical hazards.
	Reference Dye	No known significant effects or critical hazards.
Ingestion	: <input checked="" type="checkbox"/> Brilliant Multiplex QPCR Master Mix	No known significant effects or critical hazards.
	Reference Dye	No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact	: <input checked="" type="checkbox"/> Brilliant Multiplex QPCR Master Mix	No specific data.
	Reference Dye	No specific data.
Inhalation	: <input checked="" type="checkbox"/> Brilliant Multiplex QPCR Master Mix	No specific data.
	Reference Dye	No specific data.
Skin contact	: <input checked="" type="checkbox"/> Brilliant Multiplex QPCR Master Mix	No specific data.
	Reference Dye	No specific data.
Ingestion	: <input checked="" type="checkbox"/> Brilliant Multiplex QPCR Master Mix	No specific data.
	Reference Dye	No specific data.

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

Notes to physician	: <input checked="" type="checkbox"/> Brilliant Multiplex QPCR Master Mix	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	Reference Dye	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.
Specific treatments	: <input checked="" type="checkbox"/> Brilliant Multiplex QPCR Master Mix	No specific treatment.
	Reference Dye	No specific treatment.
Protection of first-aiders	: <input checked="" type="checkbox"/> Brilliant Multiplex 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.

Section 4. First aid measures

See toxicological information (Section 11)

Section 5. Firefighting measures

Extinguishing media

Suitable extinguishing media	: <input checked="" type="checkbox"/> Brilliant Multiplex QPCR Master Mix Reference Dye	Use an extinguishing agent suitable for the surrounding fire. Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media	: <input checked="" type="checkbox"/> Brilliant Multiplex QPCR Master Mix Reference Dye	None known. None known.
Specific hazards arising from the chemical	: <input checked="" type="checkbox"/> Brilliant Multiplex QPCR Master Mix Reference Dye	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.
Hazardous thermal decomposition products	: <input checked="" type="checkbox"/> Brilliant Multiplex QPCR Master Mix Reference Dye	Decomposition products may include the following materials: carbon dioxide carbon monoxide Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides halogenated compounds metal oxide/oxides
Special protective actions for fire-fighters	: <input checked="" type="checkbox"/> Brilliant Multiplex QPCR Master Mix 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. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
Special protective equipment for fire-fighters	: <input checked="" type="checkbox"/> Brilliant Multiplex QPCR Master Mix 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. Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel	: <input checked="" type="checkbox"/> Brilliant Multiplex QPCR Master Mix 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. 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
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Section 6. Accidental release measures

For emergency responders : Brilliant Multiplex QPCR Master Mix

Reference Dye

protective equipment.

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".

If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Environmental precautions : Brilliant Multiplex QPCR Master Mix

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).

Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and material for containment and cleaning up

Methods for cleaning up : Brilliant Multiplex QPCR Master Mix

Reference Dye

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

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

Section 7. Handling and storage

Precautions for safe handling

Protective measures : Brilliant Multiplex QPCR Master Mix

Reference Dye

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

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

Advice on general occupational hygiene : Brilliant Multiplex QPCR Master Mix

Reference Dye

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

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

Section 7. Handling and storage

<p>Conditions for safe storage, including any incompatibilities</p>	<p>: <input checked="" type="checkbox"/> Brilliant Multiplex QPCR Master Mix</p> <p>Reference Dye</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. See Section 10 for incompatible materials before handling or use.</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. See Section 10 for incompatible materials before handling or use.</p>
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Section 8. Exposure controls and personal protection

Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
<input checked="" type="checkbox"/> Brilliant Multiplex QPCR Master Mix Glycerol	Safe Work Australia (Australia, 1/2014). TWA: 10 mg/m ³ 8 hours.

<p>Appropriate engineering controls</p>	<p>: Good general ventilation should be sufficient to control worker exposure to airborne contaminants.</p>
<p>Environmental exposure controls</p>	<p>: 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.</p>

Individual protection measures

<p>Hygiene measures</p>	<p>: 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.</p>
<p>Eye/face protection</p>	<p>: 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.</p>
<p>Skin protection</p>	
<p>Hand protection</p>	<p>: 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.</p>
<p>Body protection</p>	<p>: 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.</p>

Section 8. Exposure controls and personal protection

- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Section 9. Physical and chemical properties

Appearance

- Physical state** : Brilliant Multiplex QPCR Master Mix Liquid.
Reference Dye Liquid.
- Colour** : Brilliant Multiplex QPCR Master Mix Not available.
Reference Dye Not available.
- Odour** : Brilliant Multiplex QPCR Master Mix Not available.
Reference Dye Not available.
- Odour threshold** : Brilliant Multiplex QPCR Master Mix Not available.
Reference Dye Not available.
- pH** : Brilliant Multiplex QPCR Master Mix 8
Reference Dye 8
- Melting point** : Brilliant Multiplex QPCR Master Mix Not available.
Reference Dye Not available.
- Boiling point** : Brilliant Multiplex QPCR Master Mix Not available.
Reference Dye Not available.
- Flash point** : Brilliant Multiplex QPCR Master Mix Not available.
Reference Dye Not available.
- Evaporation rate** : Brilliant Multiplex QPCR Master Mix Not available.
Reference Dye Not available.
- Flammability (solid, gas)** : Brilliant Multiplex QPCR Master Mix Not applicable.
Reference Dye Not applicable.
- Lower and upper explosive (flammable) limits** : Brilliant Multiplex QPCR Master Mix Not available.
Reference Dye Not available.
- Vapour pressure** : Brilliant Multiplex QPCR Master Mix Not available.
Reference Dye Not available.
- Vapour density** : Brilliant Multiplex QPCR Master Mix Not available.
Reference Dye Not available.
- Relative density** : Brilliant Multiplex QPCR Master Mix Not available.
Reference Dye Not available.
- Solubility** : Brilliant Multiplex QPCR Master Mix Easily soluble in the following materials: cold water and hot water.
Reference Dye Easily soluble in the following materials: cold water and hot water.

Section 9. Physical and chemical properties

Partition coefficient: n-octanol/water	: <input checked="" type="checkbox"/> Brilliant Multiplex QPCR Master Mix	Not available.
	: <input checked="" type="checkbox"/> Brilliant Multiplex QPCR Reference Dye	Not available.
Auto-ignition temperature	: <input checked="" type="checkbox"/> Brilliant Multiplex QPCR Master Mix	Not available.
	: <input checked="" type="checkbox"/> Brilliant Multiplex QPCR Reference Dye	Not available.
Decomposition temperature	: <input checked="" type="checkbox"/> Brilliant Multiplex QPCR Master Mix	Not available.
	: <input checked="" type="checkbox"/> Brilliant Multiplex QPCR Reference Dye	Not available.
Viscosity	: <input checked="" type="checkbox"/> Brilliant Multiplex QPCR Master Mix	Not available.
	: <input checked="" type="checkbox"/> Brilliant Multiplex QPCR Reference Dye	Not available.

Section 10. Stability and reactivity

Reactivity	: <input checked="" type="checkbox"/> Brilliant Multiplex QPCR Master Mix	No specific test data related to reactivity available for this product or its ingredients.
	: <input checked="" type="checkbox"/> Brilliant Multiplex QPCR Reference Dye	No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	: <input checked="" type="checkbox"/> Brilliant Multiplex QPCR Master Mix	The product is stable.
	: <input checked="" type="checkbox"/> Brilliant Multiplex QPCR Reference Dye	The product is stable.
Possibility of hazardous reactions	: <input checked="" type="checkbox"/> Brilliant Multiplex QPCR Master Mix	Under normal conditions of storage and use, hazardous reactions will not occur.
	: <input checked="" type="checkbox"/> Brilliant Multiplex QPCR Reference Dye	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	: <input checked="" type="checkbox"/> Brilliant Multiplex QPCR Master Mix	No specific data.
	: <input checked="" type="checkbox"/> Brilliant Multiplex QPCR Reference Dye	No specific data.
Incompatible materials	: <input checked="" type="checkbox"/> Brilliant Multiplex QPCR Master Mix	May react or be incompatible with oxidising materials.
	: <input checked="" type="checkbox"/> Brilliant Multiplex QPCR Reference Dye	May react or be incompatible with oxidising materials.
Hazardous decomposition products	: <input checked="" type="checkbox"/> Brilliant Multiplex QPCR Master Mix	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	: <input checked="" type="checkbox"/> Brilliant Multiplex QPCR Reference Dye	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
<input checked="" type="checkbox"/> Brilliant Multiplex QPCR Master Mix Glycerol	LD50 Oral	Rat	12600 mg/kg	-

Irritation/Corrosion

Section 11. Toxicological information

Product/ingredient name	Result	Species	Score	Exposure	Observation
<input checked="" type="checkbox"/> Brilliant Multiplex QPCR Master Mix Glycerol	Eyes - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 milligrams	-

Sensitisation

Not available.

Mutagenicity

Not available.

Carcinogenicity

Not available.

Reproductive toxicity

Not available.

Teratogenicity

Not available.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Information on likely routes of exposure : Brilliant Multiplex QPCR Master Mix
Reference Dye
Routes of entry anticipated: Oral, Dermal, Inhalation.
Routes of entry anticipated: Oral, Dermal, Inhalation.

Potential acute health effects

Eye contact : Brilliant Multiplex QPCR Master Mix
Reference Dye
No known significant effects or critical hazards.
No known significant effects or critical hazards.

Inhalation : Brilliant Multiplex QPCR Master Mix
Reference Dye
No known significant effects or critical hazards.
No known significant effects or critical hazards.

Skin contact : Brilliant Multiplex QPCR Master Mix
Reference Dye
No known significant effects or critical hazards.
No known significant effects or critical hazards.

Ingestion : Brilliant Multiplex QPCR Master Mix
Reference Dye
No known significant effects or critical hazards.
No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : Brilliant Multiplex QPCR Master Mix
Reference Dye
No specific data.
No specific data.

Inhalation : Brilliant Multiplex QPCR Master Mix
Reference Dye
No specific data.
No specific data.

Section 11. Toxicological information

Skin contact	: <input checked="" type="checkbox"/> Brilliant Multiplex QPCR Master Mix	No specific data.
	: <input checked="" type="checkbox"/> Brilliant Multiplex QPCR Reference Dye	No specific data.
Ingestion	: <input checked="" type="checkbox"/> Brilliant Multiplex QPCR Master Mix	No specific data.
	: <input checked="" type="checkbox"/> Brilliant Multiplex QPCR Reference Dye	No specific data.

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

Short term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Long term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Potential chronic health effects

Not available.

General	: <input checked="" type="checkbox"/> Brilliant Multiplex QPCR Master Mix	No known significant effects or critical hazards.
	: <input checked="" type="checkbox"/> Brilliant Multiplex QPCR Reference Dye	No known significant effects or critical hazards.
Carcinogenicity	: <input checked="" type="checkbox"/> Brilliant Multiplex QPCR Master Mix	No known significant effects or critical hazards.
	: <input checked="" type="checkbox"/> Brilliant Multiplex QPCR Reference Dye	No known significant effects or critical hazards.
Mutagenicity	: <input checked="" type="checkbox"/> Brilliant Multiplex QPCR Master Mix	No known significant effects or critical hazards.
	: <input checked="" type="checkbox"/> Brilliant Multiplex QPCR Reference Dye	No known significant effects or critical hazards.
Teratogenicity	: <input checked="" type="checkbox"/> Brilliant Multiplex QPCR Master Mix	No known significant effects or critical hazards.
	: <input checked="" type="checkbox"/> Brilliant Multiplex QPCR Reference Dye	No known significant effects or critical hazards.
Developmental effects	: <input checked="" type="checkbox"/> Brilliant Multiplex QPCR Master Mix	No known significant effects or critical hazards.
	: <input checked="" type="checkbox"/> Brilliant Multiplex QPCR Reference Dye	No known significant effects or critical hazards.
Fertility effects	: <input checked="" type="checkbox"/> Brilliant Multiplex QPCR Master Mix	No known significant effects or critical hazards.
	: <input checked="" type="checkbox"/> Brilliant Multiplex QPCR Reference Dye	No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Not available.

Section 12. Ecological information

Toxicity

Product/ingredient name	Result	Species	Exposure
<input checked="" type="checkbox"/> Brilliant Multiplex QPCR Master Mix Glycerol	Acute LC50 54000 mg/l Fresh water	Fish - Oncorhynchus mykiss	96 hours

Persistence and degradability

Section 12. Ecological information

Product/ingredient name	Test	Result	Dose	Inoculum
2X Brilliant Multiplex QPCR Master Mix Glycerol	301D Ready Biodegradability - Closed Bottle Test	93 % - 30 days	-	-

Bioaccumulative potential

Product/ingredient name	LogP _{ow}	BCF	Potential
2X Brilliant Multiplex QPCR Master Mix Glycerol	-1.76	-	low

Mobility in soil

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

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

Section 13. Disposal considerations

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

Section 14. Transport information

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

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

Transport in bulk according to Annex II of Marpol and the IBC Code : Not available.

Section 15. Regulatory information

Standard Uniform Schedule of Medicine and Poisons

Not regulated.

Model Work Health and Safety Regulations - Scheduled Substances

No listed substance

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

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

Section 15. Regulatory information

Not listed.

[Stockholm Convention on Persistent Organic Pollutants](#)

Not listed.

[Rotterdam Convention on Prior Informed Consent \(PIC\)](#)

Not listed.

[UNECE Aarhus Protocol on POPs and Heavy Metals](#)

Not listed.

[Inventory list](#)

Australia	: Not determined.
Canada	: Not determined.
China	: All components are listed or exempted.
Europe	: Not determined.
Japan	: <input checked="" type="checkbox"/> Japan inventory (ENCS) : Not determined. Japan inventory (ISHL) : Not determined.
Malaysia	: Not determined.
New Zealand	: Not determined.
Philippines	: Not determined.
Republic of Korea	: Not determined.
Taiwan	: Not determined.
Thailand	: <input checked="" type="checkbox"/> Not determined.
Turkey	: <input checked="" type="checkbox"/> Not determined.
United States	: <input checked="" type="checkbox"/> Not determined.
Viet Nam	: <input checked="" type="checkbox"/> Not determined.

Section 16. Any other relevant information

[History](#)

Date of issue/Date of revision	: 21/12/2017
Date of previous issue	: 15/10/2015.
Version	: 5

[Key to abbreviations](#)

: ADG = Australian Dangerous Goods
 ATE = Acute Toxicity Estimate
 BCF = Bioconcentration Factor
 GHS = Globally Harmonized System of Classification and Labelling of Chemicals
 IATA = International Air Transport Association
 IBC = Intermediate Bulk Container
 IMDG = International Maritime Dangerous Goods
 LogPow = logarithm of the octanol/water partition coefficient
 MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
 NOHSC = National Occupational Health and Safety Commission
 SUSMP = Standard Uniform Schedule of Medicine and Poisons
 UN = United Nations

[Procedure used to derive the classification](#)

Classification	Justification
Not classified.	

References : Not available.

Indicates information that has changed from previously issued version.

[Notice to reader](#)

Section 16. Any other relevant information

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