Conforms to US OSHA Hazard Communication 29CFR1910.1200

SAFETY DATA SHEET

Agilent Technologies

Brilliant III Ultra-Fast QRT-PCR Master Mix, 10-pack, Part Number 600885

Section 1. Identification

1.1 Product identifier

Product name : Brilliant III Ultra-Fast QRT-PCR Master Mix, 10-pack, Part Number 600885

Part No. (Chemical Kit) : 600885

Part No. :

2X Brilliant III QRT-PCR Master Mix	600884-51
RT/RNase Block	600884-52
Reference Dye	600530-53
100 mM DTT	600089-53

Validation date : 8/21/2017

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

Material uses : Analytical reagent.

2X Brilliant III QRT-PCR Master Mix	10 x (2 x 2 ml)
RT/RNase Block	10 x 0.4 ml
Reference Dye	10 x 0.1 ml (100 µl 1 mM)
100 mM DTT	10 x 0.1 ml (100 µl)

1.3 Details of the supplier of the safety data sheet

Supplier/Manufacturer : Agilent Technologies, Inc.
5301 Stevens Creek Blvd
Santa Clara, CA 95051, USA
800-227-9770

1.4 Emergency telephone number

In case of emergency : CHEMTREC®: 1-800-424-9300

Section 2. Hazards identification

2.1 Classification of the substance or mixture

OSHA/HCS status :

2X Brilliant III QRT-PCR Master Mix	This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
RT/RNase Block	This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
Reference Dye	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910. 1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
100 mM DTT	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910. 1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

Classification of the substance or mixture

Section 2. Hazards identification

2X Brilliant III QRT-PCR Master Mix

H320 EYE IRRITATION - Category 2B

RT/RNase Block

H320 EYE IRRITATION - Category 2B

Ingredients of unknown toxicity :

2X Brilliant III QRT-PCR Master Mix	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: 10 - 30%
RT/RNase Block	Percentage of the mixture consisting of ingredient (s) of unknown inhalation toxicity: 30 - 60%
Reference Dye	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%
100 mM DTT	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%

2.2 GHS label elements

Signal word :

2X Brilliant III QRT-PCR Master Mix	Warning
RT/RNase Block	Warning
Reference Dye	No signal word.
100 mM DTT	No signal word.

Hazard statements :

2X Brilliant III QRT-PCR Master Mix	H320 - Causes eye irritation.
RT/RNase Block	H320 - Causes eye irritation.
Reference Dye	No known significant effects or critical hazards.
100 mM DTT	No known significant effects or critical hazards.

Precautionary statements

Prevention :

2X Brilliant III QRT-PCR Master Mix	P264 - Wash hands thoroughly after handling.
RT/RNase Block	P264 - Wash hands thoroughly after handling.
Reference Dye	Not applicable.
100 mM DTT	Not applicable.

Response :

2X Brilliant III QRT-PCR Master Mix	P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 - If eye irritation persists: Get medical attention.
RT/RNase Block	P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 - If eye irritation persists: Get medical attention.
Reference Dye	Not applicable.
100 mM DTT	Not applicable.

Section 2. Hazards identification

Storage	:	2X Brilliant III QRT-PCR Master Mix	Not applicable.
		RT/RNase Block	Not applicable.
		Reference Dye	Not applicable.
		100 mM DTT	Not applicable.
Disposal	:	2X Brilliant III QRT-PCR Master Mix	Not applicable.
		RT/RNase Block	Not applicable.
		Reference Dye	Not applicable.
		100 mM DTT	Not applicable.
Supplemental label elements	:	2X Brilliant III QRT-PCR Master Mix	None known.
		RT/RNase Block	None known.
		Reference Dye	None known.
		100 mM DTT	None known.

2.3 Other hazards

Hazards not otherwise classified	:	2X Brilliant III QRT-PCR Master Mix	None known.
		RT/RNase Block	None known.
		Reference Dye	None known.
		100 mM DTT	None known.

Section 3. Composition/information on ingredients

Substance/mixture	:	2X Brilliant III QRT-PCR Master Mix	Mixture
		RT/RNase Block	Mixture
		Reference Dye	Mixture
		100 mM DTT	Mixture

Ingredient name	%	CAS number
2X Brilliant III QRT-PCR Master Mix		
Glycerol	≥10 - ≤25	56-81-5
Polyethylene glycol	≤10	25322-68-3
Potassium chloride	≤3	7447-40-7
RT/RNase Block		
Glycerol	≥50 - ≤75	56-81-5
Reference Dye		
Potassium chloride	≤5	7447-40-7
2-Amino-2-(hydroxymethyl)propane-1,3-diol hydrochloride	≤3	1185-53-1
100 mM DTT		
(R*,R*)-1,4-Dimercaptobutane-2,3-diol	≤3	3483-12-3

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

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

4.1 Description of necessary first aid measures

Eye contact	:	2X Brilliant III QRT-PCR Master Mix	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. If irritation persists, get medical attention.
		RT/RNase Block	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. If irritation persists, get medical attention.
		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.
		100 mM DTT	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	:	2X Brilliant III QRT-PCR Master Mix	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
		RT/RNase Block	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
		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.
		100 mM DTT	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

Section 4. First aid measures

Skin contact	:	2X Brilliant III QRT-PCR Master Mix	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.
		RT/RNase Block	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.
		Reference Dye	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
		100 mM DTT	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
Ingestion	:	2X Brilliant III QRT-PCR Master Mix	Wash out mouth with water. Remove dentures if any. 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. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
		RT/RNase Block	Wash out mouth with water. Remove dentures if any. 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. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
		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.
		100 mM DTT	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

Section 4. First aid measures

quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

4.2 Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact	:	2X Brilliant III QRT-PCR Master Mix	Causes eye irritation.
		RT/RNase Block	Causes eye irritation.
		Reference Dye	No known significant effects or critical hazards.
		100 mM DTT	No known significant effects or critical hazards.
Inhalation	:	2X Brilliant III QRT-PCR Master Mix	No known significant effects or critical hazards.
		RT/RNase Block	No known significant effects or critical hazards.
		Reference Dye	No known significant effects or critical hazards.
		100 mM DTT	No known significant effects or critical hazards.
Skin contact	:	2X Brilliant III QRT-PCR Master Mix	No known significant effects or critical hazards.
		RT/RNase Block	No known significant effects or critical hazards.
		Reference Dye	No known significant effects or critical hazards.
		100 mM DTT	No known significant effects or critical hazards.
Ingestion	:	2X Brilliant III QRT-PCR Master Mix	No known significant effects or critical hazards.
		RT/RNase Block	No known significant effects or critical hazards.
		Reference Dye	No known significant effects or critical hazards.
		100 mM DTT	No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact	:	2X Brilliant III QRT-PCR Master Mix	Adverse symptoms may include the following: irritation watering redness
		RT/RNase Block	Adverse symptoms may include the following: irritation watering redness
		Reference Dye	No specific data.
		100 mM DTT	No specific data.
Inhalation	:	2X Brilliant III QRT-PCR Master Mix	No specific data.
		RT/RNase Block	No specific data.
		Reference Dye	No specific data.
		100 mM DTT	No specific data.
Skin contact	:	2X Brilliant III QRT-PCR Master Mix	No specific data.
		RT/RNase Block	No specific data.
		Reference Dye	No specific data.
		100 mM DTT	No specific data.
Ingestion	:	2X Brilliant III QRT-PCR Master Mix	No specific data.
		RT/RNase Block	No specific data.
		Reference Dye	No specific data.
		100 mM DTT	No specific data.

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

Section 4. First aid measures

Notes to physician	:	2X Brilliant III QRT-PCR Master Mix	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
		RT/RNase Block	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.
		100 mM DTT	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments	:	2X Brilliant III QRT-PCR Master Mix	No specific treatment.
		RT/RNase Block	No specific treatment.
		Reference Dye	No specific treatment.
		100 mM DTT	No specific treatment.
Protection of first-aiders	:	2X Brilliant III QRT-PCR Master Mix	No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.
		RT/RNase Block	No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.
		Reference Dye	No action shall be taken involving any personal risk or without suitable training.
		100 mM DTT	No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media	:	2X Brilliant III QRT-PCR Master Mix	Use an extinguishing agent suitable for the surrounding fire.
		RT/RNase Block	Use an extinguishing agent suitable for the surrounding fire.
		Reference Dye	Use an extinguishing agent suitable for the surrounding fire.
		100 mM DTT	Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media	:	2X Brilliant III QRT-PCR Master Mix	None known.
		RT/RNase Block	None known.
		Reference Dye	None known.
		100 mM DTT	None known.

5.2 Special hazards arising from the substance or mixture

Section 5. Fire-fighting measures

Specific hazards arising from the chemical	:	2X Brilliant III QRT-PCR Master Mix	In a fire or if heated, a pressure increase will occur and the container may burst.
		RT/RNase Block	In a fire or if heated, a pressure increase will occur and the container may burst.
		Reference Dye	In a fire or if heated, a pressure increase will occur and the container may burst.
		100 mM DTT	In a fire or if heated, a pressure increase will occur and the container may burst.
Hazardous thermal decomposition products	:	2X Brilliant III QRT-PCR Master Mix	Decomposition products may include the following materials: carbon dioxide carbon monoxide halogenated compounds metal oxide/oxides
		RT/RNase Block	Decomposition products may include the following materials: carbon dioxide carbon monoxide
		Reference Dye	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides halogenated compounds metal oxide/oxides
		100 mM DTT	Decomposition products may include the following materials: carbon dioxide carbon monoxide sulfur oxides

5.3 Advice for firefighters

Special protective actions for fire-fighters	:	2X Brilliant III QRT-PCR 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.
		RT/RNase Block	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.
		100 mM DTT	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	:	2X Brilliant III QRT-PCR Master Mix	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
		RT/RNase Block	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
		Reference Dye	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus

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	(SCBA) with a full face-piece operated in positive pressure mode.
100 mM DTT	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

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel	:	2X Brilliant III QRT-PCR Master Mix	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
		RT/RNase Block	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 spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. 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 spilled material. Put on appropriate personal protective equipment.
		100 mM DTT	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 spilled material. Put on appropriate personal protective equipment.
For emergency responders	:	2X Brilliant III QRT-PCR Master Mix	If specialized 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".
		RT/RNase Block	If specialized 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 specialized 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".
		100 mM DTT	If specialized 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".

Section 6. Accidental release measures

6.2 Environmental precautions	:	2X Brilliant III QRT-PCR Master Mix	Avoid dispersal of spilled 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	Avoid dispersal of spilled 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 spilled 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).
		100 mM DTT	Avoid dispersal of spilled 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 materials for containment and cleaning up

Methods for cleaning up	:	2X Brilliant III QRT-PCR Master Mix	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
		RT/RNase Block	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.
		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.
		100 mM DTT	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

7.1 Precautions for safe handling

Protective measures	:	2X Brilliant III QRT-PCR Master Mix	Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Section 7. Handling and storage

	RT/RNase Block	Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
	Reference Dye	Put on appropriate personal protective equipment (see Section 8).
	100 mM DTT	Put on appropriate personal protective equipment (see Section 8).
Advice on general occupational hygiene :	2X Brilliant III QRT-PCR Master Mix	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
	RT/RNase Block	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.
	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.
	100 mM DTT	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.
7.2 Conditions for safe storage, including any incompatibilities :	2X Brilliant III QRT-PCR Master Mix	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
	RT/RNase Block	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

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	opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
Reference Dye	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 unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
100 mM DTT	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 unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

7.3 Specific end use(s)

Recommendations	:	2X Brilliant III QRT-PCR Master Mix	Industrial applications, Professional applications.
		RT/RNase Block	Industrial applications, Professional applications.
		Reference Dye	Industrial applications, Professional applications.
		100 mM DTT	Industrial applications, Professional applications.
Industrial sector specific solutions	:	2X Brilliant III QRT-PCR Master Mix	Not applicable.
		RT/RNase Block	Not applicable.
		Reference Dye	Not applicable.
		100 mM DTT	Not applicable.

Section 8. Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
2X Brilliant III QRT-PCR Master Mix	
Glycerol	**OSHA PEL 1989 (United States, 3/1989).** TWA: 5 mg/m³ 8 hours. Form: Respirable fraction TWA: 10 mg/m³ 8 hours. Form: Total dust **OSHA PEL (United States, 6/2016).** TWA: 5 mg/m³ 8 hours. Form: Respirable fraction TWA: 15 mg/m³ 8 hours. Form: Total dust
Polyethylene glycol	**AIHA WEEL (United States, 10/2011).** TWA: 10 mg/m³ 8 hours. Form: Aerosol
Potassium chloride	None.

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RT/RNase Block	
Glycerol	**OSHA PEL 1989 (United States, 3/1989).** TWA: 5 mg/m³ 8 hours. Form: Respirable fraction TWA: 10 mg/m³ 8 hours. Form: Total dust **OSHA PEL (United States, 6/2016).** TWA: 5 mg/m³ 8 hours. Form: Respirable fraction TWA: 15 mg/m³ 8 hours. Form: Total dust
Reference Dye	
Potassium chloride	None.
2-Amino-2-(hydroxymethyl)propane-1,3-diol hydrochloride	None.
100 mM DTT	
(R*,R*)-1,4-Dimercaptobutane-2,3-diol	None.

8.2 Exposure controls

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

Environmental exposure controls : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

Hygiene measures : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.

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. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

Body protection : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Section 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state	:	2X Brilliant III QRT-PCR Master Mix	Liquid.
		RT/RNase Block	Liquid.
		Reference Dye	Liquid.
		100 mM DTT	Liquid.
Color	:	2X Brilliant III QRT-PCR Master Mix	Not available.
		RT/RNase Block	Not available.
		Reference Dye	Not available.
		100 mM DTT	Not available.
Odor	:	2X Brilliant III QRT-PCR Master Mix	Not available.
		RT/RNase Block	Not available.
		Reference Dye	Not available.
		100 mM DTT	Not available.
Odor threshold	:	2X Brilliant III QRT-PCR Master Mix	Not available.
		RT/RNase Block	Not available.
		Reference Dye	Not available.
		100 mM DTT	Not available.
pH	:	2X Brilliant III QRT-PCR Master Mix	7.8
		RT/RNase Block	8
		Reference Dye	8
		100 mM DTT	Not available.
Melting point	:	2X Brilliant III QRT-PCR Master Mix	Not available.
		RT/RNase Block	Not available.
		Reference Dye	Not available.
		100 mM DTT	0°C (32°F)
Boiling point	:	2X Brilliant III QRT-PCR Master Mix	Not available.
		RT/RNase Block	Not available.
		Reference Dye	Not available.
		100 mM DTT	100°C (212°F)
Flash point	:	2X Brilliant III QRT-PCR Master Mix	Not available.
		RT/RNase Block	Not available.
		Reference Dye	Not available.
		100 mM DTT	Not available.
Evaporation rate	:	2X Brilliant III QRT-PCR Master Mix	Not available.
		RT/RNase Block	Not available.
		Reference Dye	Not available.
		100 mM DTT	Not available.
Flammability (solid, gas)	:	2X Brilliant III QRT-PCR Master Mix	Not applicable.
		RT/RNase Block	Not applicable.
		Reference Dye	Not applicable.
		100 mM DTT	Not applicable.

Section 9. Physical and chemical properties

Lower and upper explosive (flammable) limits	:	2X Brilliant III QRT-PCR Master Mix	Not available.
		RT/RNase Block	Not available.
		Reference Dye	Not available.
		100 mM DTT	Not available.
Vapor pressure	:	2X Brilliant III QRT-PCR Master Mix	Not available.
		RT/RNase Block	Not available.
		Reference Dye	Not available.
		100 mM DTT	Not available.
Vapor density	:	2X Brilliant III QRT-PCR Master Mix	Not available.
		RT/RNase Block	Not available.
		Reference Dye	Not available.
		100 mM DTT	Not available.
Relative density	:	2X Brilliant III QRT-PCR Master Mix	Not available.
		RT/RNase Block	Not available.
		Reference Dye	Not available.
		100 mM DTT	Not available.
Solubility	:	2X Brilliant III QRT-PCR Master Mix	Easily soluble in the following materials: cold water and hot water.
		RT/RNase Block	Easily soluble in the following materials: cold water and hot water.
		Reference Dye	Easily soluble in the following materials: cold water and hot water.
		100 mM DTT	Easily soluble in the following materials: cold water and hot water.
Partition coefficient: n-octanol/water	:	2X Brilliant III QRT-PCR Master Mix	Not available.
		RT/RNase Block	Not available.
		Reference Dye	Not available.
		100 mM DTT	Not available.
Auto-ignition temperature	:	2X Brilliant III QRT-PCR Master Mix	Not available.
		RT/RNase Block	Not available.
		Reference Dye	Not available.
		100 mM DTT	Not available.
Decomposition temperature	:	2X Brilliant III QRT-PCR Master Mix	Not available.
		RT/RNase Block	Not available.
		Reference Dye	Not available.
		100 mM DTT	Not available.
Viscosity	:	2X Brilliant III QRT-PCR Master Mix	Not available.
		RT/RNase Block	Not available.
		Reference Dye	Not available.
		100 mM DTT	Not available.

Section 10. Stability and reactivity

10.1 Reactivity	:	2X Brilliant III QRT-PCR Master Mix	No specific test data related to reactivity available for this product or its ingredients.
		RT/RNase Block	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.
		100 mM DTT	No specific test data related to reactivity available for this product or its ingredients.
10.2 Chemical stability	:	2X Brilliant III QRT-PCR Master Mix	The product is stable.
		RT/RNase Block	The product is stable.
		Reference Dye	The product is stable.
		100 mM DTT	The product is stable.
10.3 Possibility of hazardous reactions	:	2X Brilliant III QRT-PCR Master Mix	Under normal conditions of storage and use, hazardous reactions will not occur.
		RT/RNase Block	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.
		100 mM DTT	Under normal conditions of storage and use, hazardous reactions will not occur.
10.4 Conditions to avoid	:	2X Brilliant III QRT-PCR Master Mix	No specific data.
		RT/RNase Block	No specific data.
		Reference Dye	No specific data.
		100 mM DTT	No specific data.
10.5 Incompatible materials	:	2X Brilliant III QRT-PCR Master Mix	May react or be incompatible with oxidizing materials.
		RT/RNase Block	May react or be incompatible with oxidizing materials.
		Reference Dye	May react or be incompatible with oxidizing materials.
		100 mM DTT	May react or be incompatible with oxidizing materials.
10.6 Hazardous decomposition products	:	2X Brilliant III QRT-PCR Master Mix	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
		RT/RNase Block	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
		Reference Dye	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
		100 mM DTT	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

Product/ingredient name	Result	Species	Dose	Exposure
2X Brilliant III QRT-PCR Master Mix				
Glycerol	LD50 Oral	Rat	12600 mg/kg	-
Potassium chloride	LD50 Oral	Rat	2600 mg/kg	-
RT/RNase Block				
Glycerol	LD50 Oral	Rat	12600 mg/kg	-
Reference Dye				
Potassium chloride	LD50 Oral	Rat	2600 mg/kg	-

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
2X Brilliant III 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	-	24 hours 500 milligrams	-
	Eyes - Mild irritant	Rabbit	-	500 milligrams	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
	Skin - Mild irritant	Rabbit	-	500 milligrams	-
Potassium chloride	Eyes - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
RT/RNase Block					
Glycerol	Eyes - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
Reference Dye					
Potassium chloride	Eyes - Mild irritant	Rabbit	-	24 hours 500 milligrams	-

Sensitization

Not available.

Mutagenicity

Not available.

Carcinogenicity

Not available.

Reproductive toxicity

Not available.

Teratogenicity

Section 11. Toxicological information

Not available.

Specific target organ toxicity (single exposure)

Name	Category	Route of exposure	Target organs
2X Brilliant III QRT-PCR Master Mix Polyethylene glycol	Category 3	Not applicable.	Respiratory tract irritation
Reference Dye 2-Amino-2-(hydroxymethyl)propane-1,3-diol hydrochloride	Category 3	Not applicable.	Respiratory tract irritation
100 mM DTT (R*,R*)-1,4-Dimercaptobutane-2,3-diol	Category 3	Not applicable.	Respiratory tract irritation

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Information on the likely routes of exposure

2X Brilliant III QRT-PCR Master Mix	Routes of entry anticipated: Oral, Dermal, Inhalation.
RT/RNase Block	Routes of entry anticipated: Oral, Dermal, Inhalation.
Reference Dye	Routes of entry anticipated: Oral, Dermal, Inhalation.
100 mM DTT	Routes of entry anticipated: Oral, Dermal, Inhalation.

Potential acute health effects

Eye contact

2X Brilliant III QRT-PCR Master Mix	Causes eye irritation.
RT/RNase Block	Causes eye irritation.
Reference Dye	No known significant effects or critical hazards.
100 mM DTT	No known significant effects or critical hazards.

Inhalation

2X Brilliant III QRT-PCR Master Mix	No known significant effects or critical hazards.
RT/RNase Block	No known significant effects or critical hazards.
Reference Dye	No known significant effects or critical hazards.
100 mM DTT	No known significant effects or critical hazards.

Skin contact

2X Brilliant III QRT-PCR Master Mix	No known significant effects or critical hazards.
RT/RNase Block	No known significant effects or critical hazards.
Reference Dye	No known significant effects or critical hazards.
100 mM DTT	No known significant effects or critical hazards.

Ingestion

2X Brilliant III QRT-PCR Master Mix	No known significant effects or critical hazards.
RT/RNase Block	No known significant effects or critical hazards.
Reference Dye	No known significant effects or critical hazards.
100 mM DTT	No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Section 11. Toxicological information

Eye contact	:	2X Brilliant III QRT-PCR Master Mix	Adverse symptoms may include the following: irritation watering redness
		RT/RNase Block	Adverse symptoms may include the following: irritation watering redness
		Reference Dye	No specific data.
		100 mM DTT	No specific data.
Inhalation	:	2X Brilliant III QRT-PCR Master Mix	No specific data.
		RT/RNase Block	No specific data.
		Reference Dye	No specific data.
		100 mM DTT	No specific data.
Skin contact	:	2X Brilliant III QRT-PCR Master Mix	No specific data.
		RT/RNase Block	No specific data.
		Reference Dye	No specific data.
		100 mM DTT	No specific data.
Ingestion	:	2X Brilliant III QRT-PCR Master Mix	No specific data.
		RT/RNase Block	No specific data.
		Reference Dye	No specific data.
		100 mM DTT	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	:	2X Brilliant III QRT-PCR Master Mix	No known significant effects or critical hazards.
		RT/RNase Block	No known significant effects or critical hazards.
		Reference Dye	No known significant effects or critical hazards.
		100 mM DTT	No known significant effects or critical hazards.
Carcinogenicity	:	2X Brilliant III QRT-PCR Master Mix	No known significant effects or critical hazards.
		RT/RNase Block	No known significant effects or critical hazards.
		Reference Dye	No known significant effects or critical hazards.
		100 mM DTT	No known significant effects or critical hazards.
Mutagenicity	:	2X Brilliant III QRT-PCR Master Mix	No known significant effects or critical hazards.
		RT/RNase Block	No known significant effects or critical hazards.
		Reference Dye	No known significant effects or critical hazards.
		100 mM DTT	No known significant effects or critical hazards.

Section 11. Toxicological information

Teratogenicity	:	2X Brilliant III QRT-PCR Master Mix	No known significant effects or critical hazards.
		RT/RNase Block	No known significant effects or critical hazards.
		Reference Dye	No known significant effects or critical hazards.
		100 mM DTT	No known significant effects or critical hazards.
Developmental effects	:	2X Brilliant III QRT-PCR Master Mix	No known significant effects or critical hazards.
		RT/RNase Block	No known significant effects or critical hazards.
		Reference Dye	No known significant effects or critical hazards.
		100 mM DTT	No known significant effects or critical hazards.
Fertility effects	:	2X Brilliant III QRT-PCR Master Mix	No known significant effects or critical hazards.
		RT/RNase Block	No known significant effects or critical hazards.
		Reference Dye	No known significant effects or critical hazards.
		100 mM DTT	No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Route	ATE value
2X Brilliant III QRT-PCR Master Mix	
Oral	193152.6 mg/kg
Reference Dye	
Oral	70270.3 mg/kg
100 mM DTT	
Oral	33333.3 mg/kg

Section 12. Ecological information

12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
2X Brilliant III QRT-PCR Master Mix			
Glycerol	Acute LC50 54000 mg/l Fresh water	Fish - Oncorhynchus mykiss	96 hours
Polyethylene glycol	Acute LC50 >1000000 µg/l Fresh water	Fish - Salmo salar - Parr	96 hours
Potassium chloride	Acute EC50 1337000 µg/l Fresh water	Algae - Navicula seminulum	96 hours
	Acute EC50 9.24 g/L Fresh water	Algae - Desmodesmus subspicatus	72 hours
	Acute EC50 141460 µg/l Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 12.92 mg/l Fresh water	Crustaceans - Pseudosida ramosa - Neonate	48 hours
	Acute LC50 880 mg/l Fresh water	Fish - Pimephales promelas	96 hours
RT/RNase Block			
Glycerol	Acute LC50 54000 mg/l Fresh water	Fish - Oncorhynchus mykiss	96 hours
Reference Dye			
Potassium chloride	Acute EC50 1337000 µg/l Fresh water	Algae - Navicula seminulum	96 hours
	Acute EC50 9.24 g/L Fresh water	Algae - Desmodesmus subspicatus	72 hours
	Acute EC50 141460 µg/l Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 12.92 mg/l Fresh water	Crustaceans - Pseudosida	48 hours

Section 12. Ecological information

	Acute LC50 880 mg/l Fresh water	ramosa - Neonate Fish - Pimephales promelas	96 hours
100 mM DTT (R*,R*)-1, 4-Dimercaptobutane-2,3-diol	Acute LC50 27000 µg/l Fresh water	Daphnia - Daphnia magna	48 hours

12.2 Persistence and degradability

Product/ingredient name	Test	Result	Dose	Inoculum
2X Brilliant III QRT-PCR Master Mix Glycerol	301D Ready Biodegradability - Closed Bottle Test	93 % - 30 days	-	-
RT/RNase Block Glycerol	301D Ready Biodegradability - Closed Bottle Test	93 % - 30 days	-	-

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
2X Brilliant III QRT-PCR Master Mix Potassium chloride	-	-	Readily
Reference Dye Potassium chloride	-	-	Readily

12.3 Bioaccumulative potential

Product/ingredient name	$LogP_{ow}$	BCF	Potential
2X Brilliant III QRT-PCR Master Mix			
Glycerol	-1.76	-	low
Polyethylene glycol	-	3.2	low
Potassium chloride	-0.46	-	low
RT/RNase Block			
Glycerol	-1.76	-	low
Reference Dye			
Potassium chloride	-0.46	-	low

12.4 Mobility in soil

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

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

Section 13. Disposal considerations

13.1 Waste treatment methods

Disposal methods : The generation of waste should be avoided or minimized 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. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Disposal should be in accordance with applicable regional, national and local laws and regulations. Local regulations may be more stringent than regional or national requirements.

The information presented below only applies to the material as supplied. The identification based on characteristic(s) or listing may not apply if the material has been used or otherwise contaminated. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.

Section 14. Transport information

DOT / TDG / Mexico / IMDG / IATA : Not regulated.

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

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

U.S. Federal regulations : **TSCA 8(a) PAIR**: Polyoxyethylene octyl phenyl ether; Poly(oxy-1,2-ethanediyl), .alpha.-[(1,1,3,3-tetramethylbutyl)phenyl]-.omega.-hydroxy-

TSCA 8(a) CDR Exempt/Partial exemption: Not determined

Clean Water Act (CWA) 311: Edetic acid

Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs) : Not listed

Clean Air Act Section 602 Class I Substances : Not listed

Clean Air Act Section 602 Class II Substances : Not listed

DEA List I Chemicals (Precursor Chemicals) : Not listed

Section 15. Regulatory information

DEA List II Chemicals (Essential Chemicals) : Not listed

SARA 302/304

Composition/information on ingredients

No products were found.

SARA 304 RQ : Not applicable.

SARA 311/312

Classification :

2X Brilliant III QRT-PCR Master Mix	Immediate (acute) health hazard
RT/RNase Block	Immediate (acute) health hazard
Reference Dye	Not applicable.
100 mM DTT	Not applicable.

Composition/information on ingredients

Name	%	Fire hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
2X Brilliant III QRT-PCR Master Mix						
Glycerol	≥10 - ≤25	No.	No.	No.	Yes.	No.
Polyethylene glycol	≤10	No.	No.	No.	Yes.	No.
Potassium chloride	≤3	No.	No.	No.	Yes.	No.
RT/RNase Block						
Glycerol	≥50 - ≤75	No.	No.	No.	Yes.	No.
Reference Dye						
Potassium chloride	≤5	No.	No.	No.	Yes.	No.
2-Amino-2-(hydroxymethyl)propane-1, 3-diol hydrochloride	≤3	No.	No.	No.	Yes.	No.
100 mM DTT						
(R*,R*)-1,4-Dimercaptobutane-2,3-diol	≤3	No.	No.	No.	Yes.	No.

State regulations

Massachusetts : The following components are listed: GLYCERINE MIST

New York : None of the components are listed.

New Jersey : The following components are listed: GLYCERIN; 1,2,3-PROPANETRIOL

Pennsylvania : The following components are listed: 1,2,3-PROPANETRIOL

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 Informed Consent (PIC)

Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Section 15. Regulatory information

Not listed.

Inventory list

Australia	:	Not determined.
Canada	:	Not determined.
China	:	All components are listed or exempted.
Europe	:	Not determined.
Japan	:	**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	:	Not determined.
Turkey	:	Not determined.
United States	:	Not determined.
Viet Nam	:	Not determined.

Section 16. Other information

History

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Indicates information that has changed from previously issued version.

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