

SAFETY DATA SHEET

FAP MASTR

Section 1. Identification

Product identifier	: FAP MASTR	
Part no. (chemical kit)	: MR-0040.008	
Part no.	: AR 1	I-0792
	PCR Mix Plex 1	I-0795
	PCR Mix Plex 2	I-0796
	PCR Mix Plex 3	I-0797
	Taq DNA Polymerase	I-1358
Material uses	: Analytical reagent. For Research Use Only. Not for use in diagnostic procedures.	
	AR 1	1 ml
	PCR Mix Plex 1	0.08 ml
	PCR Mix Plex 2	0.08 ml
	PCR Mix Plex 3	0.08 ml
	Taq DNA Polymerase	0.006 ml
Supplier/Manufacturer	: Agilent Technologies, Inc. 5301 Stevens Creek Blvd Santa Clara, CA 95051, USA 800-227-9770	
Emergency telephone number (with hours of operation)	: CHEMTREC®: 1-800-424-9300	

Section 2. Hazard identification

Classification of the substance or mixture

Taq DNA Polymerase	
H320	EYE IRRITATION - Category 2B
H412	AQUATIC HAZARD (LONG-TERM) - Category 3

GHS label elements

Signal word	: AR 1	No signal word.
	PCR Mix Plex 1	No signal word.
	PCR Mix Plex 2	No signal word.
	PCR Mix Plex 3	No signal word.
	Taq DNA Polymerase	Warning
Hazard statements	: AR 1	No known significant effects or critical hazards.
	PCR Mix Plex 1	No known significant effects or critical hazards.
	PCR Mix Plex 2	No known significant effects or critical hazards.
	PCR Mix Plex 3	No known significant effects or critical hazards.
	Taq DNA Polymerase	H320 - Causes eye irritation. H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements

Prevention	: <input checked="" type="checkbox"/> AR 1	Not applicable.
	PCR Mix Plex 1	Not applicable.
	PCR Mix Plex 2	Not applicable.
	PCR Mix Plex 3	Not applicable.
	Taq DNA Polymerase	P273 - Avoid release to the environment.

Section 2. Hazard identification

Response	: AR 1 PCR Mix Plex 1 PCR Mix Plex 2 PCR Mix Plex 3 Taq DNA Polymerase	Not applicable. Not applicable. Not applicable. Not applicable. 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 advice or attention.
Storage	: AR 1 PCR Mix Plex 1 PCR Mix Plex 2 PCR Mix Plex 3 Taq DNA Polymerase	Not applicable. Not applicable. Not applicable. Not applicable. Not applicable.
Disposal	: AR 1 PCR Mix Plex 1 PCR Mix Plex 2 PCR Mix Plex 3 Taq DNA Polymerase	Not applicable. Not applicable. Not applicable. Not applicable. P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
Supplemental label elements	: AR 1 PCR Mix Plex 1 PCR Mix Plex 2 PCR Mix Plex 3 Taq DNA Polymerase PCR Mix Plex 1 PCR Mix Plex 2 PCR Mix Plex 3	None known. None known. None known. None known. None known. Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 1.1% Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 1.1% Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 1.1%
Other hazards which do not result in classification	: AR 1 PCR Mix Plex 1 PCR Mix Plex 2 PCR Mix Plex 3 Taq DNA Polymerase	None known. None known. None known. None known. None known.

Section 3. Composition/information on ingredients

Substance/mixture	: AR 1 PCR Mix Plex 1 PCR Mix Plex 2 PCR Mix Plex 3 Taq DNA Polymerase	Mixture Mixture Mixture Mixture Mixture
--------------------------	--	---

Ingredient name	% (w/w)	CAS number
PCR Mix Plex 1 Magnesium chloride	0.1 - 1	7786-30-3
PCR Mix Plex 2 Magnesium chloride	0.1 - 1	7786-30-3
PCR Mix Plex 3 Magnesium chloride	0.1 - 1	7786-30-3
Taq DNA Polymerase Glycerol	10 - 30	56-81-5
Poly(oxy-1,2-ethanediyl), .alpha.-[(1,1,3,3-tetramethylbutyl)phenyl]-.	0.1 - 1	9036-19-5

Section 3. Composition/information on ingredients

omega.-hydroxy-

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

: AR 1

Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.

PCR Mix Plex 1

Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.

PCR Mix Plex 2

Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.

PCR Mix Plex 3

Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.

Taq DNA Polymerase

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.

Inhalation

: AR 1

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

PCR Mix Plex 1

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.

PCR Mix Plex 2

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.

PCR Mix Plex 3

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.

Taq DNA Polymerase

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

Section 4. First-aid measures

Skin contact

: AR 1

PCR Mix Plex 1

position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

PCR Mix Plex 2

Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

PCR Mix Plex 3

Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

Taq DNA Polymerase

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. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Ingestion

: AR 1

PCR Mix Plex 1

Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

PCR Mix Plex 2

Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

PCR Mix Plex 3

Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

Taq DNA Polymerase

Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

Wash out mouth with water. Remove dentures if any. 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.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Section 4. First-aid measures

Eye contact	: AR 1 PCR Mix Plex 1 PCR Mix Plex 2 PCR Mix Plex 3 Taq DNA Polymerase	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. Causes eye irritation.
Inhalation	: AR 1 PCR Mix Plex 1 PCR Mix Plex 2 PCR Mix Plex 3 Taq DNA Polymerase	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
Skin contact	: AR 1 PCR Mix Plex 1 PCR Mix Plex 2 PCR Mix Plex 3 Taq DNA Polymerase	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
Ingestion	: AR 1 PCR Mix Plex 1 PCR Mix Plex 2 PCR Mix Plex 3 Taq DNA Polymerase	No known significant effects or critical hazards. No known significant effects or critical hazards. 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

Eye contact	: AR 1 PCR Mix Plex 1 PCR Mix Plex 2 PCR Mix Plex 3 Taq DNA Polymerase	No specific data. No specific data. No specific data. No specific data. Adverse symptoms may include the following: irritation watering redness
Inhalation	: AR 1 PCR Mix Plex 1 PCR Mix Plex 2 PCR Mix Plex 3 Taq DNA Polymerase	No specific data. No specific data. No specific data. No specific data. No specific data.
Skin contact	: AR 1 PCR Mix Plex 1 PCR Mix Plex 2 PCR Mix Plex 3 Taq DNA Polymerase	No specific data. No specific data. No specific data. No specific data. No specific data.
Ingestion	: AR 1 PCR Mix Plex 1 PCR Mix Plex 2 PCR Mix Plex 3 Taq DNA Polymerase	No specific data. No specific data. No specific data. No specific data. No specific data.

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

Notes to physician	: AR 1	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	PCR Mix Plex 1	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.
	PCR Mix Plex 2	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.

Section 4. First-aid measures

	PCR Mix Plex 3	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.
	Taq DNA Polymerase	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments	: AR 1	No specific treatment.
	PCR Mix Plex 1	No specific treatment.
	PCR Mix Plex 2	No specific treatment.
	PCR Mix Plex 3	No specific treatment.
	Taq DNA Polymerase	No specific treatment.
Protection of first-aiders	: AR 1	No action shall be taken involving any personal risk or without suitable training.
	PCR Mix Plex 1	No action shall be taken involving any personal risk or without suitable training.
	PCR Mix Plex 2	No action shall be taken involving any personal risk or without suitable training.
	PCR Mix Plex 3	No action shall be taken involving any personal risk or without suitable training.
	Taq DNA Polymerase	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.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media	: AR 1	Use an extinguishing agent suitable for the surrounding fire.
	PCR Mix Plex 1	Use an extinguishing agent suitable for the surrounding fire.
	PCR Mix Plex 2	Use an extinguishing agent suitable for the surrounding fire.
	PCR Mix Plex 3	Use an extinguishing agent suitable for the surrounding fire.
	Taq DNA Polymerase	Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media	: AR 1	None known.
	PCR Mix Plex 1	None known.
	PCR Mix Plex 2	None known.
	PCR Mix Plex 3	None known.
	Taq DNA Polymerase	None known.
Specific hazards arising from the chemical	: AR 1	In a fire or if heated, a pressure increase will occur and the container may burst.
	PCR Mix Plex 1	In a fire or if heated, a pressure increase will occur and the container may burst.
	PCR Mix Plex 2	In a fire or if heated, a pressure increase will occur and the container may burst.
	PCR Mix Plex 3	In a fire or if heated, a pressure increase will occur and the container may burst.
	Taq DNA Polymerase	In a fire or if heated, a pressure increase will occur and the container may burst. This material is harmful to aquatic life with long lasting effects. Fire water contaminated with this material must be contained

Section 5. Fire-fighting measures

Hazardous thermal decomposition products

- : AR 1
PCR Mix Plex 1
- PCR Mix Plex 2
- PCR Mix Plex 3
- Taq DNA Polymerase

and prevented from being discharged to any waterway, sewer or drain.

No specific data.

Decomposition products may include the following materials:

carbon dioxide
carbon monoxide
nitrogen oxides
phosphorus oxides

Decomposition products may include the following materials:

carbon dioxide
carbon monoxide
nitrogen oxides
phosphorus oxides

Decomposition products may include the following materials:

carbon dioxide
carbon monoxide
nitrogen oxides
phosphorus oxides

Decomposition products may include the following materials:

carbon dioxide
carbon monoxide

Special protective actions for fire-fighters

- : AR 1
- PCR Mix Plex 1
- PCR Mix Plex 2
- PCR Mix Plex 3
- Taq DNA Polymerase

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 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 personal risk or without suitable training.

Special protective equipment for fire-fighters

- : AR 1
- PCR Mix Plex 1
- PCR Mix Plex 2
- PCR Mix Plex 3

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.

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

Section 5. Fire-fighting measures

Taq DNA Polymerase

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

: AR 1

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.

PCR Mix Plex 1

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.

PCR Mix Plex 2

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.

PCR Mix Plex 3

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.

Taq DNA Polymerase

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.

For emergency responders

: AR 1

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".

PCR Mix Plex 1

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".

PCR Mix Plex 2

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".

PCR Mix Plex 3

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".

Taq DNA Polymerase

If specialized clothing is required to deal with the

Section 6. Accidental release measures

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 : AR 1

PCR Mix Plex 1

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).

PCR Mix Plex 2

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).

PCR Mix Plex 3

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).

Taq DNA Polymerase

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).

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). Water polluting material. May be harmful to the environment if released in large quantities.

Methods and materials for containment and cleaning up

Methods for cleaning up : AR 1

PCR Mix Plex 1

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.

PCR Mix Plex 2

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.

PCR Mix Plex 3

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.

Taq DNA Polymerase

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

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

Section 6. Accidental release measures

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

: AR 1

PCR Mix Plex 1

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

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

PCR Mix Plex 2

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

PCR Mix Plex 3

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

Taq DNA Polymerase

Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Avoid release to the environment. 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.

Advice on general occupational hygiene

: AR 1

PCR Mix Plex 1

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.

PCR Mix Plex 2

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.

PCR Mix Plex 3

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.

Taq DNA Polymerase

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

Conditions for safe storage, including any incompatibilities : AR 1

PCR Mix Plex 1	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
PCR Mix Plex 2	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
PCR Mix Plex 3	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
Taq DNA Polymerase	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.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
Taq DNA Polymerase Glycerol	CA Alberta Provincial (Canada, 6/2018). 8 hrs OEL: 10 mg/m ³ 8 hours. Form: Mist CA Quebec Provincial (Canada, 7/2019). TWAEV: 10 mg/m ³ 8 hours. Form: mist CA Saskatchewan Provincial (Canada, 7/2013). STEL: 20 mg/m ³ 15 minutes. Form: mist TWA: 10 mg/m ³ 8 hours. Form: mist CA British Columbia Provincial (Canada, 1/2021). TWA: 3 mg/m ³ 8 hours. Form: respirable mist TWA: 10 mg/m ³ 8 hours. Form: total mist

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: safety glasses with side-shields.

Skin protection

Hand protection : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

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

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

Respiratory protection : 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 and safety characteristics

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

Appearance

Physical state	: AR 1	Liquid.
	PCR Mix Plex 1	Liquid.
	PCR Mix Plex 2	Liquid.
	PCR Mix Plex 3	Liquid.
	Taq DNA Polymerase	Liquid. [Clear. / solution]
Color	: AR 1	Not available.
	PCR Mix Plex 1	Not available.
	PCR Mix Plex 2	Not available.
	PCR Mix Plex 3	Not available.
	Taq DNA Polymerase	Colorless.
Odor	: AR 1	Not available.
	PCR Mix Plex 1	Not available.
	PCR Mix Plex 2	Not available.
	PCR Mix Plex 3	Not available.
	Taq DNA Polymerase	Not available.
Odor threshold	: AR 1	Not available.
	PCR Mix Plex 1	Not available.
	PCR Mix Plex 2	Not available.
	PCR Mix Plex 3	Not available.
	Taq DNA Polymerase	Not available.
pH	: AR 1	Not available.
	PCR Mix Plex 1	Not available.
	PCR Mix Plex 2	Not available.
	PCR Mix Plex 3	Not available.
	Taq DNA Polymerase	Not available.
Melting point/freezing point	: AR 1	0°C (32°F)
	PCR Mix Plex 1	Not available.
	PCR Mix Plex 2	Not available.
	PCR Mix Plex 3	Not available.
	Taq DNA Polymerase	Not available.
Boiling point, initial boiling point, and boiling range	: AR 1	100°C (212°F)
	PCR Mix Plex 1	Not available.
	PCR Mix Plex 2	Not available.
	PCR Mix Plex 3	Not available.
	Taq DNA Polymerase	Not available.
Flash point	: AR 1	Not available.
	PCR Mix Plex 1	Not available.
	PCR Mix Plex 2	Not available.
	PCR Mix Plex 3	Not available.
	Taq DNA Polymerase	Not available.

Ingredient name	Closed cup			Open cup		
	°C	°F	Method	°C	°F	Method
PCR Mix Plex 1 Deoxycytidine thiotriphosphate	440.851	825.5				
PCR Mix Plex 2 Deoxycytidine thiotriphosphate	440.851	825.5				

Section 9. Physical and chemical properties and safety characteristics

PCR Mix Plex 3						
Deoxycytidine thiotriphosphate	440.851	825.5				
Taq DNA Polymerase						
Poly(oxy-1,2-ethanediyl), .alpha.-[(1,1,3,3-tetramethylbutyl) phenyl]-.omega.-hydroxy-	>109.85	>229.7				
Glycerol			Pensky-Martens	177	350.6	

Evaporation rate : AR 1 Not available.
 PCR Mix Plex 1 Not available.
 PCR Mix Plex 2 Not available.
 PCR Mix Plex 3 Not available.
 Taq DNA Polymerase Not available.

Flammability : AR 1 Not applicable.
 PCR Mix Plex 1 Not applicable.
 PCR Mix Plex 2 Not applicable.
 PCR Mix Plex 3 Not applicable.
 Taq DNA Polymerase Not applicable.

Lower and upper explosion limit/flammability limit : AR 1 Not available.
 PCR Mix Plex 1 Not available.
 PCR Mix Plex 2 Not available.
 PCR Mix Plex 3 Not available.
 Taq DNA Polymerase Not available.

Vapor pressure : AR 1 Not available.
 PCR Mix Plex 1 Not available.
 PCR Mix Plex 2 Not available.
 PCR Mix Plex 3 Not available.
 Taq DNA Polymerase Not available.

Ingredient name	Vapor Pressure at 20°C			Vapor pressure at 50°C		
	mm Hg	kPa	Method	mm Hg	kPa	Method
AR 1						
Water	23.8	3.2				
PCR Mix Plex 1						
Water	23.8	3.2				
N-(ri(Hydroxymethyl) methyl)glycine	<0.000015001	<0.000002				
PCR Mix Plex 2						
Water	23.8	3.2				
N-(ri(Hydroxymethyl) methyl)glycine	<0.000015001	<0.000002				
PCR Mix Plex 3						
Water	23.8	3.2				
N-(ri(Hydroxymethyl)	<0.000015001	<0.000002				

Section 9. Physical and chemical properties and safety characteristics

	methyl)glycine						
	Taq DNA Polymerase						
	Glycerol	0	0		0	0	
Relative vapor density	: AR 1						Not available.
	PCR Mix Plex 1						Not available.
	PCR Mix Plex 2						Not available.
	PCR Mix Plex 3						Not available.
	Taq DNA Polymerase						Not available.
Relative density	: AR 1						Not available.
	PCR Mix Plex 1						Not available.
	PCR Mix Plex 2						Not available.
	PCR Mix Plex 3						Not available.
	Taq DNA Polymerase						Not available.
Solubility	: AR 1						Easily soluble in the following materials: cold water and hot water.
	PCR Mix Plex 1						Not available.
	PCR Mix Plex 2						Not available.
	PCR Mix Plex 3						Not available.
	Taq DNA Polymerase						Not available.
Partition coefficient: n-octanol/water	: <input checked="" type="checkbox"/> AR 1						Not applicable.
	PCR Mix Plex 1						Not applicable.
	PCR Mix Plex 2						Not applicable.
	PCR Mix Plex 3						Not applicable.
	Taq DNA Polymerase						Not applicable.
Auto-ignition temperature	: AR 1						Not available.
	PCR Mix Plex 1						Not available.
	PCR Mix Plex 2						Not available.
	PCR Mix Plex 3						Not available.
	Taq DNA Polymerase						Not available.
	Ingredient name	°C	°F	Method			
	<input checked="" type="checkbox"/> Taq DNA Polymerase						
	Glycerol	370	698				
Decomposition temperature	: AR 1						Not available.
	PCR Mix Plex 1						Not available.
	PCR Mix Plex 2						Not available.
	PCR Mix Plex 3						Not available.
	Taq DNA Polymerase						Not available.
Viscosity	: AR 1						Not available.
	PCR Mix Plex 1						Not available.
	PCR Mix Plex 2						Not available.
	PCR Mix Plex 3						Not available.
	Taq DNA Polymerase						Not available.
Particle characteristics							
Median particle size	: <input checked="" type="checkbox"/> AR 1						Not applicable.
	PCR Mix Plex 1						Not applicable.
	PCR Mix Plex 2						Not applicable.
	PCR Mix Plex 3						Not applicable.
	Taq DNA Polymerase						Not applicable.

Section 10. Stability and reactivity

Reactivity	: AR 1 PCR Mix Plex 1 PCR Mix Plex 2 PCR Mix Plex 3 Taq DNA Polymerase	No specific test data related to reactivity available for this product or its ingredients. No specific test data related to reactivity available for this product or its ingredients. No specific test data related to reactivity available for this product or its ingredients. No specific test data related to reactivity available for this product or its ingredients. No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	: AR 1 PCR Mix Plex 1 PCR Mix Plex 2 PCR Mix Plex 3 Taq DNA Polymerase	The product is stable. The product is stable. The product is stable. The product is stable. The product is stable.
Possibility of hazardous reactions	: AR 1 PCR Mix Plex 1 PCR Mix Plex 2 PCR Mix Plex 3 Taq DNA Polymerase	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. 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	: AR 1 PCR Mix Plex 1 PCR Mix Plex 2 PCR Mix Plex 3 Taq DNA Polymerase	No specific data. No specific data. No specific data. No specific data. No specific data.
Incompatible materials	: AR 1 PCR Mix Plex 1 PCR Mix Plex 2 PCR Mix Plex 3 Taq DNA Polymerase	May react or be incompatible with oxidizing materials. May react or be incompatible with oxidizing materials. May react or be incompatible with oxidizing materials. May react or be incompatible with oxidizing materials. May react or be incompatible with oxidizing materials.
Hazardous decomposition products	: AR 1 PCR Mix Plex 1 PCR Mix Plex 2 PCR Mix Plex 3 Taq DNA Polymerase	Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
PCR Mix Plex 1 Magnesium chloride	LD50 Dermal	Rat - Male, Female	>2000 mg/kg	-
	LD50 Oral	Rat	2800 mg/kg	-
PCR Mix Plex 2 Magnesium chloride	LD50 Dermal	Rat - Male, Female	>2000 mg/kg	-
	LD50 Oral	Rat	2800 mg/kg	-
PCR Mix Plex 3 Magnesium chloride	LD50 Dermal	Rat - Male, Female	>2000 mg/kg	-
	LD50 Oral	Rat	2800 mg/kg	-
Taq DNA Polymerase Glycerol	LD50 Oral	Rat	12600 mg/kg	-
	LD50 Oral	Rat	2800 mg/kg	-
Poly(oxy-1,2-ethanediyl), . alpha.-[(1,1,3,3-tetramethylbutyl) phenyl]-.omega.-hydroxy-	LD50 Oral	Rat	12600 mg/kg	-
	LD50 Oral	Rat	2800 mg/kg	-

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Taq DNA Polymerase Glycerol	Eyes - Mild irritant	Rabbit	-	24 hours 500 mg	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 mg	-
Poly(oxy-1,2-ethanediyl), . alpha.-[(1,1,3,3-tetramethylbutyl) phenyl]-.omega.-hydroxy-	Eyes - Severe irritant	Rabbit	-	1 %	-

Sensitization

Not available.

Mutagenicity

Conclusion/Summary : Not available.

Carcinogenicity

Conclusion/Summary : Not available.

Reproductive toxicity

Conclusion/Summary : Not available.

Teratogenicity

Conclusion/Summary : Not available.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Section 11. Toxicological information

Not available.

Information on the likely routes of exposure : AR 1 Not available.
 PCR Mix Plex 1 Not available.
 PCR Mix Plex 2 Not available.
 PCR Mix Plex 3 Not available.
 Taq DNA Polymerase Routes of entry anticipated: Oral, Dermal, Inhalation.

Potential acute health effects

Eye contact : AR 1 No known significant effects or critical hazards.
 PCR Mix Plex 1 No known significant effects or critical hazards.
 PCR Mix Plex 2 No known significant effects or critical hazards.
 PCR Mix Plex 3 No known significant effects or critical hazards.
 Taq DNA Polymerase Causes eye irritation.

Inhalation : AR 1 No known significant effects or critical hazards.
 PCR Mix Plex 1 No known significant effects or critical hazards.
 PCR Mix Plex 2 No known significant effects or critical hazards.
 PCR Mix Plex 3 No known significant effects or critical hazards.
 Taq DNA Polymerase No known significant effects or critical hazards.

Skin contact : AR 1 No known significant effects or critical hazards.
 PCR Mix Plex 1 No known significant effects or critical hazards.
 PCR Mix Plex 2 No known significant effects or critical hazards.
 PCR Mix Plex 3 No known significant effects or critical hazards.
 Taq DNA Polymerase No known significant effects or critical hazards.

Ingestion : AR 1 No known significant effects or critical hazards.
 PCR Mix Plex 1 No known significant effects or critical hazards.
 PCR Mix Plex 2 No known significant effects or critical hazards.
 PCR Mix Plex 3 No known significant effects or critical hazards.
 Taq DNA Polymerase No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : AR 1 No specific data.
 PCR Mix Plex 1 No specific data.
 PCR Mix Plex 2 No specific data.
 PCR Mix Plex 3 No specific data.
 Taq DNA Polymerase Adverse symptoms may include the following:
 irritation
 watering
 redness

Inhalation : AR 1 No specific data.
 PCR Mix Plex 1 No specific data.
 PCR Mix Plex 2 No specific data.
 PCR Mix Plex 3 No specific data.
 Taq DNA Polymerase No specific data.

Skin contact : AR 1 No specific data.
 PCR Mix Plex 1 No specific data.
 PCR Mix Plex 2 No specific data.
 PCR Mix Plex 3 No specific data.
 Taq DNA Polymerase No specific data.

Ingestion : AR 1 No specific data.
 PCR Mix Plex 1 No specific data.
 PCR Mix Plex 2 No specific data.
 PCR Mix Plex 3 No specific data.
 Taq DNA Polymerase No specific data.

Delayed and immediate effects and also chronic effects from short and long term exposure

Section 11. Toxicological information

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	: AR 1 PCR Mix Plex 1 PCR Mix Plex 2 PCR Mix Plex 3 Taq DNA Polymerase	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
Carcinogenicity	: AR 1 PCR Mix Plex 1 PCR Mix Plex 2 PCR Mix Plex 3 Taq DNA Polymerase	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
Mutagenicity	: AR 1 PCR Mix Plex 1 PCR Mix Plex 2 PCR Mix Plex 3 Taq DNA Polymerase	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
Reproductive toxicity	: <input checked="" type="checkbox"/> AR 1 PCR Mix Plex 1 PCR Mix Plex 2 PCR Mix Plex 3 Taq DNA Polymerase	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Product/ingredient name	Oral (mg/kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapors) (mg/l)	Inhalation (dusts and mists) (mg/l)
<input checked="" type="checkbox"/> PCR Mix Plex 1 Magnesium chloride	2800	2500	N/A	N/A	N/A
PCR Mix Plex 2 Magnesium chloride	2800	2500	N/A	N/A	N/A
PCR Mix Plex 3 Magnesium chloride	2800	2500	N/A	N/A	N/A
Taq DNA Polymerase Glycerol	12600	N/A	N/A	N/A	N/A
Poly(oxy-1,2-ethanediyl), .alpha.-[(1,1,3,3-tetramethylbutyl)phenyl]-.omega.-hydroxy-	2800	N/A	N/A	N/A	N/A

Section 11. Toxicological information

Other information	: AR 1	Not available.
	PCR Mix Plex 1	Not available.
	PCR Mix Plex 2	Not available.
	PCR Mix Plex 3	Not available.
	Taq DNA Polymerase	Not available.

Section 12. Ecological information


Toxicity

Product/ingredient name	Result	Species	Exposure
PCR Mix Plex 1 Magnesium chloride	Acute EC50 >100 mg/l Fresh water	Algae - Desmodesmus subspicatus	72 hours
	Acute EC50 180000 µg/l Fresh water	Crustaceans - Eudiaptomus padanus ssp. padanus - Adult	48 hours
	Acute IC50 6.8 mg/l Fresh water	Aquatic plants - Lemna aequinoctialis	96 hours
	Acute LC50 32000 µg/l Fresh water	Daphnia - Daphnia hyalina - Adult	48 hours
	Acute LC50 2120 mg/l Fresh water	Fish - Pimephales promelas	96 hours
	Acute NOEC 100 mg/l Fresh water	Algae - Desmodesmus subspicatus	72 hours
PCR Mix Plex 2 Magnesium chloride	Chronic NOEC 0.1 mg/l Fresh water	Fish - Cyprinus carpio	35 days
	Acute EC50 >100 mg/l Fresh water	Algae - Desmodesmus subspicatus	72 hours
	Acute EC50 180000 µg/l Fresh water	Crustaceans - Eudiaptomus padanus ssp. padanus - Adult	48 hours
	Acute IC50 6.8 mg/l Fresh water	Aquatic plants - Lemna aequinoctialis	96 hours
	Acute LC50 32000 µg/l Fresh water	Daphnia - Daphnia hyalina - Adult	48 hours
	Acute LC50 2120 mg/l Fresh water	Fish - Pimephales promelas	96 hours
PCR Mix Plex 3 Magnesium chloride	Acute NOEC 100 mg/l Fresh water	Algae - Desmodesmus subspicatus	72 hours
	Chronic NOEC 0.1 mg/l Fresh water	Fish - Cyprinus carpio	35 days
	Acute EC50 >100 mg/l Fresh water	Algae - Desmodesmus subspicatus	72 hours
	Acute EC50 180000 µg/l Fresh water	Crustaceans - Eudiaptomus padanus ssp. padanus - Adult	48 hours
	Acute IC50 6.8 mg/l Fresh water	Aquatic plants - Lemna aequinoctialis	96 hours
	Acute LC50 32000 µg/l Fresh water	Daphnia - Daphnia hyalina - Adult	48 hours
Taq DNA Polymerase Glycerol Poly(oxy-1,2-ethanediyl), . alpha.-[(1,1,3,3-tetramethylbutyl) phenyl]-.omega.-hydroxy-	Acute LC50 54000 mg/l Fresh water	Fish - Oncorhynchus mykiss	96 hours
	Acute EC50 210 µg/l Fresh water	Algae - Selenastrum sp.	96 hours
	Acute LC50 10800 µg/l Marine water	Crustaceans - Pandalus	48 hours


Section 12. Ecological information

	Acute LC50 8600 µg/l Fresh water	montagui - Adult Daphnia - Daphnia magna - Neonate	48 hours
	Acute LC50 7200 µg/l Fresh water	Fish - Oncorhynchus mykiss	96 hours

Persistence and degradability

Product/ingredient name	Test	Result	Dose	Inoculum
 Trag DNA Polymerase Glycerol	301D Ready Biodegradability - Closed Bottle Test	93 % - 30 days	-	-

Bioaccumulative potential

Product/ingredient name	LogP _{ow}	BCF	Potential
 Trag DNA Polymerase Glycerol Poly(oxy-1,2-ethanediyl), . alpha.-[(1,1,3,3-tetramethylbutyl) phenyl]-.omega.-hydroxy-	-1.76 3.77	- 78.67	low 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 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. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

TDG / 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 IMO instruments : Not available.

Section 15. Regulatory information

Canadian lists

Canadian NPRI : None of the components are listed.

CEPA Toxic substances : None of the components are listed.

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

Montreal Protocol

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

Inventory list

Australia	: Not determined.
Canada	: Not determined.
China	: Not determined.
Europe	: Not determined.
Japan	: Japan inventory (CSCL): Not determined. Japan inventory (ISHL): 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

Date of issue/Date of revision : 11/03/2021

Date of previous issue : 06/21/2019


Version : 4

Key to abbreviations : ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
HPR = Hazardous Products Regulations
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)
N/A = Not available

Section 16. Other information

UN = United Nations

[Procedure used to derive the classification](#)

Classification	Justification
 Taq DNA Polymerase EYE IRRITATION - Category 2B AQUATIC HAZARD (LONG-TERM) - Category 3	Calculation method Calculation method

References : Not available.

 Indicates information that has changed from previously issued version.

[Notice to reader](#)

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.