SAFETY DATA SHEET
FAP MASTR

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

1.1 Product identifier
Product name: FAP MASTR
Part No. (Kit): MR-0040.008
Part No.: AR 1 I-0792

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

<table>
<thead>
<tr>
<th>Identified uses</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Analytical reagent.</td>
<td></td>
</tr>
<tr>
<td>For Research Use Only.</td>
<td>Not for use in diagnostic procedures.</td>
</tr>
<tr>
<td>AR 1</td>
<td>1 ml</td>
</tr>
<tr>
<td>PCR Mix Plex 1</td>
<td>0.08 ml</td>
</tr>
<tr>
<td>PCR Mix Plex 2</td>
<td>0.08 ml</td>
</tr>
<tr>
<td>PCR Mix Plex 3</td>
<td>0.08 ml</td>
</tr>
<tr>
<td>Taq DNA Polymerase</td>
<td>0.006 ml</td>
</tr>
</tbody>
</table>

1.3 Details of the supplier of the safety data sheet
Agilent Technologies Belgium
De Kleetlaan 5 bus 9
1831 Diegem
Belgium
e-mail address of person responsible for this SDS: pdl-msds_author@agilent.com

1.4 Emergency telephone number
Emergency telephone number (with hours of operation): CHEMTREC®: +(44)-870-8200418

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture
Product definition: AR 1 Mixture
PCR Mix Plex 1 Mixture
PCR Mix Plex 2 Mixture
PCR Mix Plex 3 Mixture
Taq DNA Polymerase Mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]
Not classified.

Ingredients of unknown toxicity: Taq DNA Polymerase
Percentage of the mixture consisting of ingredient(s) of unknown inhalation toxicity: 10 - 30%

See Section 16 for the full text of the H statements declared above.
See Section 11 for more detailed information on health effects and symptoms.

Date of issue/Date of revision: 18/01/2018

SECTION 2: Hazards identification

2.2 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: No signal word.

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: No known significant effects or critical hazards.

Precautionary statements

Prevention
- 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.

Response
- 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.

Storage
- 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.

Disposal
- 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.

Supplemental label elements

Tactile warning of danger
- 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.

Hazardous ingredients
- Taq DNA Polymerase: Not applicable.

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

Special packaging requirements

Date of issue/Date of revision: 18/01/2018
SECTION 2: Hazards identification

Other hazards which do not result in classification:

- PCR Mix Plex 1: None known.
- PCR Mix Plex 2: None known.
- PCR Mix Plex 3: None known.
- Taq DNA Polymerase: None known.

SECTION 3: Composition/information on ingredients

3.1 Substances:

- Taq DNA Polymerase: Mixture
- Glycerol: Mixture
- Poly(oxy-1,2-ethanediyl), .alpha.-[(1,1,3,3-tetramethylbutyl)phenyl].omega.-hydroxy-: Mixture

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Identifiers</th>
<th>%</th>
<th>Regulation (EC) No. 1272/2008 [CLP]</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Taq DNA Polymerase</td>
<td>REACH #: Annex V</td>
<td>≥25 - ≤50</td>
<td>Not classified.</td>
<td>[2]</td>
</tr>
<tr>
<td>Glycerol</td>
<td>EC: 200-289-5</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>CAS: 56-81-5</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>CAS: 9036-19-5</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Poly(oxy-1,2-ethanediyl), .alpha.-[(1,1,3,3-tetramethylbutyl)phenyl].omega.-hydroxy-</td>
<td>&lt;1</td>
<td></td>
<td>Skin Irrit. 2, H315</td>
<td>[1] [5]</td>
</tr>
</tbody>
</table>

Type:
[1] Substance classified with a health or environmental hazard
[2] Substance with a workplace exposure limit
[5] Substance of equivalent concern
[6] Additional disclosure due to company policy

SECTION 4: First aid measures

4.1 Description of first aid measures

- Eye contact:
  - Taq DNA Polymerase: 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: 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 2: 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 3: 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.

- Inhalation:
  - Taq DNA Polymerase: 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: AR 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
SECTION 4: First aid measures

**Skin contact**

<table>
<thead>
<tr>
<th>Product</th>
<th>Instructions</th>
</tr>
</thead>
<tbody>
<tr>
<td>PCR Mix Plex 2</td>
<td>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.</td>
</tr>
<tr>
<td>PCR Mix Plex 3</td>
<td>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.</td>
</tr>
<tr>
<td>Taq DNA Polymerase</td>
<td>Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Product</th>
<th>Instructions</th>
</tr>
</thead>
<tbody>
<tr>
<td>PCR Mix Plex 1</td>
<td>Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.</td>
</tr>
<tr>
<td>PCR Mix Plex 2</td>
<td>Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.</td>
</tr>
<tr>
<td>PCR Mix Plex 3</td>
<td>Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.</td>
</tr>
<tr>
<td>Taq DNA Polymerase</td>
<td>Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Product</th>
<th>Instructions</th>
</tr>
</thead>
<tbody>
<tr>
<td>PCR Mix Plex 1</td>
<td>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.</td>
</tr>
<tr>
<td>PCR Mix Plex 2</td>
<td>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.</td>
</tr>
<tr>
<td>PCR Mix Plex 3</td>
<td>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.</td>
</tr>
<tr>
<td>Taq DNA Polymerase</td>
<td>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.</td>
</tr>
</tbody>
</table>

SECTION 4: First aid measures

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.

4.2 Most important symptoms and effects, both acute and delayed

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: No known significant effects or critical hazards.

**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.

Over-exposure signs/symptoms:

**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: No specific data.

**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.

4.3 Indication of any immediate medical attention and special treatment needed

Date of issue/Date of revision: 18/01/2018
SECTION 4: First aid measures

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.

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.

SECTION 5: Firefighting measures

5.1 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.

5.2 Special hazards arising from the substance or mixture

Hazards from the substance or mixture:

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.

Hazardous combustion products:

AR 1

No specific data.

PCR Mix Plex 1

Decomposition products may include the following materials: carbon dioxide, carbon monoxide, nitrogen oxides, phosphorus oxides.

PCR Mix Plex 2

Decomposition products may include the following materials: carbon dioxide, carbon monoxide, nitrogen oxides, phosphorus oxides.

PCR Mix Plex 3

Decomposition products may include the following materials: carbon dioxide, carbon monoxide, nitrogen oxides, phosphorus oxides.
SECTION 5: Firefighting measures

| Decomposition products may include the following materials: carbon dioxide carbon monoxide |
| Taq DNA Polymerase |

5.3 Advice for firefighters

Special precautions for fire-fighters

- AR 1
  - Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

| Decomposition products may include the following materials: carbon dioxide carbon monoxide |
| PCR Mix Plex 1 |
| PCR Mix Plex 2 |
| PCR Mix Plex 3 |
| Taq DNA Polymerase |

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

| Decomposition products may include the following materials: carbon dioxide carbon monoxide |
| PCR Mix Plex 1 |
| PCR Mix Plex 2 |
| PCR Mix Plex 3 |
| Taq DNA Polymerase |

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
SECTION 6: Accidental release measures

For non-emergency personnel:

AR 1

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 spilt 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 spilt 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 spilt 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 spilt material. Put on appropriate personal protective equipment.

For emergency responders:

AR 1

PCR Mix Plex 1

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

PCR Mix Plex 2

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

PCR Mix Plex 3

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

Taq DNA Polymerase

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

6.2 Environmental precautions:

AR 1

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

PCR Mix Plex 1

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

PCR Mix Plex 2

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

PCR Mix Plex 3

Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
SECTION 6: Accidental release measures

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

6.3 Methods and material for containment and cleaning up

Methods for cleaning up: AR 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.

AR 1
Put on appropriate personal protective equipment (see Section 8).

PCR Mix Plex 1
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).

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.

6.4 Reference to other sections
See Section 1 for emergency contact information.
See Section 8 for information on appropriate personal protective equipment.
See Section 13 for additional waste treatment information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Protective measures: AR 1
Put on appropriate personal protective equipment (see Section 8).

PCR Mix Plex 1
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).

Advice on general occupational hygiene: AR 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.

Date of issue/Date of revision: 18/01/2018
SECTION 7: Handling and storage

7.2 Conditions for safe storage, including any incompatibilities

**Storage:**

- **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 unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

- **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 unlabelled 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 unlabelled 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 unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

- **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.

Date of issue/Date of revision: 18/01/2018
SECTION 7: Handling and storage

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 unlabelled 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:

- **AR 1**
  - Industrial applications, Professional applications.
  - PCR Mix Plex 1
  - Industrial applications, Professional applications.
  - PCR Mix Plex 2
  - Industrial applications, Professional applications.
  - PCR Mix Plex 3
  - Industrial applications, Professional applications.
  - Taq DNA Polymerase
  - Industrial applications, Professional applications.

Industrial sector specific solutions:

- **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 8: Exposure controls/personal protection

8.1 Control parameters

**Occupational exposure limits**

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Exposure limit values</th>
</tr>
</thead>
<tbody>
<tr>
<td>Taq DNA Polymerase</td>
<td>EH40/2005 WELs (United Kingdom (UK), 12/2011). TWA: 10 mg/m³ 8 hours. Form: Mist</td>
</tr>
<tr>
<td>Glycerol</td>
<td></td>
</tr>
</tbody>
</table>

**Recommended monitoring procedures**

If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

**DNELs/DMELs**

No DNELs/DMELs available.

**PNECs**

No PNECs available

8.2 Exposure controls

**Appropriate engineering controls**

Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

**Individual protection measures**

Date of issue/Date of revision: 18/01/2018 11/20
**SECTION 8: Exposure controls/personal protection**

**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.

**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.

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**SECTION 9: Physical and chemical properties**

### 9.1 Information on basic physical and chemical properties

**Appearance**

- **Physical state**: Liquid.
  - AR 1
  - PCR Mix Plex 1
  - PCR Mix Plex 2
  - PCR Mix Plex 3
  - Taq DNA Polymerase
    - Liquid. [Clear. / solution]
- **Colour**: Not available.
  - AR 1
  - PCR Mix Plex 1
  - PCR Mix Plex 2
  - PCR Mix Plex 3
  - Taq DNA Polymerase
    - Colourless.
- **Odour**: Not available.
  - AR 1
  - PCR Mix Plex 1
  - PCR Mix Plex 2
  - PCR Mix Plex 3
  - Taq DNA Polymerase
    - Not available.
- **Odour threshold**: Not available.
  - AR 1
  - PCR Mix Plex 1
  - PCR Mix Plex 2
  - PCR Mix Plex 3
  - Taq DNA Polymerase
    - Not available.
- **pH**: Not available.
  - AR 1
  - PCR Mix Plex 1
  - PCR Mix Plex 2
  - PCR Mix Plex 3
  - Taq DNA Polymerase
    - Not available.

**Date of issue/Date of revision**: 18/01/2018
## SECTION 9: Physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>AR 1</th>
<th>PCR Mix Plex 1</th>
<th>PCR Mix Plex 2</th>
<th>PCR Mix Plex 3</th>
<th>Taq DNA Polymerase</th>
</tr>
</thead>
<tbody>
<tr>
<td>Melting point/freezing point</td>
<td></td>
<td>Not available.</td>
<td>Not available.</td>
<td>Not available.</td>
<td>Not available.</td>
</tr>
<tr>
<td>Initial boiling point and boiling range</td>
<td>AR 1 100°C</td>
<td>Not available.</td>
<td>Not available.</td>
<td>Not available.</td>
<td>Not available.</td>
</tr>
<tr>
<td>Flash point</td>
<td>AR 1</td>
<td>Not available.</td>
<td>Not available.</td>
<td>Not available.</td>
<td>Not available.</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>AR 1</td>
<td>Not available.</td>
<td>Not available.</td>
<td>Not available.</td>
<td>Not available.</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>AR 1</td>
<td>Not applicable.</td>
<td>Not applicable.</td>
<td>Not applicable.</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Upper/lower flammability or explosive limits</td>
<td>AR 1</td>
<td>Not available.</td>
<td>Not available.</td>
<td>Not available.</td>
<td>Not available.</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>AR 1</td>
<td>Not available.</td>
<td>Not available.</td>
<td>Not available.</td>
<td>Not available.</td>
</tr>
<tr>
<td>Vapour density</td>
<td>AR 1</td>
<td>Not available.</td>
<td>Not available.</td>
<td>Not available.</td>
<td>Not available.</td>
</tr>
<tr>
<td>Relative density</td>
<td>AR 1</td>
<td>Not available.</td>
<td>Not available.</td>
<td>Not available.</td>
<td>Not available.</td>
</tr>
<tr>
<td>Solubility(ies)</td>
<td>AR 1</td>
<td>Easily soluble in the following materials: cold water and hot water.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
SECTION 9: Physical and chemical properties

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.

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.

Explosive properties

- **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.

Oxidising properties

- **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.

9.2 Other information

No additional information.

SECTION 10: Stability and reactivity

10.1 Reactivity

- **AR 1**: No specific test data related to reactivity available for this product or its ingredients.
- **PCR Mix Plex 1**: No specific test data related to reactivity available for this product or its ingredients.
- **PCR Mix Plex 2**: No specific test data related to reactivity available for this product or its ingredients.
- **PCR Mix Plex 3**: No specific test data related to reactivity available for this product or its ingredients.
- **Taq DNA Polymerase**: No specific test data related to reactivity available for this product or its ingredients.

10.2 Chemical stability

- **AR 1**: The product is stable.
- **PCR Mix Plex 1**: The product is stable.
- **PCR Mix Plex 2**: The product is stable.
- **PCR Mix Plex 3**: The product is stable.
- **Taq DNA Polymerase**: The product is stable.

10.3 Possibility of hazardous reactions

- **AR 1**: Under normal conditions of storage and use, hazardous reactions will not occur.
- **PCR Mix Plex 1**: Under normal conditions of storage and use, hazardous reactions will not occur.
- **PCR Mix Plex 2**: Under normal conditions of storage and use, hazardous reactions will not occur.
- **PCR Mix Plex 3**: Under normal conditions of storage and use, hazardous reactions will not occur.
- **Taq DNA Polymerase**: Under normal conditions of storage and use, hazardous reactions will not occur.

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SECTION 10: Stability and reactivity

10.6 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.

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

May react or be incompatible with oxidising materials.

10.5 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 oxidising materials.

10.4 Conditions to avoid

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

No specific data.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Result</th>
<th>Species</th>
<th>Dose</th>
<th>Exposure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Taq DNA Polymerase</td>
<td>LD50 Oral</td>
<td>Rat</td>
<td>2800 mg/kg</td>
<td>-</td>
</tr>
<tr>
<td>Poly(oxy-1,2-ethanediyl) , .alpha.-[(1,1,3, 3-tetramethylbutyl)phenyl]-.omega.-hydroxy-</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Irritation/Corrosion

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Result</th>
<th>Species</th>
<th>Score</th>
<th>Exposure</th>
<th>Observation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Taq DNA Polymerase</td>
<td>Eyes - Severe irritant</td>
<td>Rabbit</td>
<td>-</td>
<td>1 Percent</td>
<td>-</td>
</tr>
<tr>
<td>Poly(oxy-1,2-ethanediyl) , .alpha.-[(1,1,3, 3-tetramethylbutyl)phenyl]-.omega.-hydroxy-</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Sensitiser

Conclusion/Summary : Not available.

Information on likely routes of exposure

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

Routes of entry anticipated: Oral, Dermal, Inhalation.

Potential acute health effects

Inhalation : No known significant effects or critical hazards.

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>AR 1</td>
<td>No known significant effects or critical hazards</td>
</tr>
<tr>
<td>PCR Mix Plex 1</td>
<td>No known significant effects or critical hazards</td>
</tr>
<tr>
<td>PCR Mix Plex 2</td>
<td>No known significant effects or critical hazards</td>
</tr>
<tr>
<td>PCR Mix Plex 3</td>
<td>No known significant effects or critical hazards</td>
</tr>
<tr>
<td>Taq DNA Polymerase</td>
<td>No known significant effects or critical hazards</td>
</tr>
</tbody>
</table>
SECTION 11: Toxicological information

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.

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.

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: No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

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.

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.

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.

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: No specific data.

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

Short term exposure
- Potential immediate effects: Not available.
- Potential delayed effects: Not available.

Long term exposure
- Potential immediate effects: Not available.
- Potential delayed effects: Not available.

Potential chronic health effects
- General:
  - 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.

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## SECTION 11: Toxicological information

### Carcinogenicity

- **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.

### Mutagenicity

- **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.

### Teratogenicity

- **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.

### Developmental effects

- **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.

### Fertility effects

- **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.

## SECTION 12: Ecological information

### 12.1 Toxicity

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Result</th>
<th>Species</th>
<th>Exposure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Taq DNA Polymerase</td>
<td>Acute EC50 210 µg/l Fresh water</td>
<td>Algae - Pseudokirchneriella subcapitata</td>
<td>96 hours</td>
</tr>
<tr>
<td></td>
<td>Acute LC50 10800 µg/l Marine water</td>
<td>Crustaceans - Pandalus montagui - Adult</td>
<td>48 hours</td>
</tr>
<tr>
<td></td>
<td>Acute LC50 8600 µg/l Fresh water</td>
<td>Daphnia - Daphnia magna - Neonate</td>
<td>48 hours</td>
</tr>
<tr>
<td></td>
<td>Acute LC50 7200 µg/l Fresh water</td>
<td>Fish - Oncorhynchus mykiss</td>
<td>96 hours</td>
</tr>
</tbody>
</table>

### 12.2 Persistence and degradability

- **Not available.**

### 12.3 Bioaccumulative potential

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>LogP&lt;sub&gt;ow&lt;/sub&gt;</th>
<th>BCF</th>
<th>Potential</th>
</tr>
</thead>
<tbody>
<tr>
<td>Taq DNA Polymerase</td>
<td>3.77</td>
<td>78.67</td>
<td>low</td>
</tr>
</tbody>
</table>

### 12.4 Mobility in soil

- **Soil/water partition coefficient (K<sub>OC</sub>)**: Not available.

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SECTION 12: Ecological information

Mobility : Not available.

12.5 Results of PBT and vPvB assessment

PBT : Not applicable.
vPvB : Not applicable.

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

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Methods of disposal : The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

Hazardous waste : Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 2008/98/EC.

Packaging

Methods of disposal : The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

Special precautions : This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spill material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

14.6 Special precautions for user

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

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

SECTION 15: Regulatory information

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

EU Regulation (EC) No. 1907/2006 (REACH)
Annex XIV - List of substances subject to authorisation

None of the components are listed.

Substances of very high concern

<table>
<thead>
<tr>
<th>Ingredient name</th>
<th>Intrinsic property</th>
<th>Status</th>
<th>Reference number</th>
<th>Date of revision</th>
</tr>
</thead>
<tbody>
<tr>
<td>Taq DNA Polymerase Poly(oxy-1,2-ethanediyl).alpha.-[(1,1,3, 3-tetramethylbutyl)phenyl].omega.-hydroxy-</td>
<td>Substance of equivalent concern for environment</td>
<td>Recommended</td>
<td>ED/169/2012</td>
<td>2/10/2014</td>
</tr>
</tbody>
</table>

Date of issue/Date of revision : 18/01/2018

SECTION 15: Regulatory information

**Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles**

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

**Other EU regulations**

- **Ozone depleting substances (1005/2009/EU)**
  Not listed.

- **Prior Informed Consent (PIC) (649/2012/EU)**
  Not listed.

- **Seveso Directive**
  This product is not controlled under the Seveso Directive.

**International regulations**

- **Chemical Weapon Convention List Schedules I, II & III Chemicals**
  Not listed.

- **Montreal Protocol (Annexes A, B, C, E)**
  Not listed.

- **Stockholm Convention on Persistent Organic Pollutants**
  Not listed.

- **Rotterdam Convention on Prior 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.
- **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.

**15.2 Chemical safety assessment**

- This product contains substances for which Chemical Safety Assessments might still be required.

**Date of issue/Date of revision**: 18/01/2018
**SECTION 16: Other information**

Indicates information that has changed from previously issued version.

**Abbreviations and acronyms**
- ATE = Acute Toxicity Estimate
- CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
- DNEL = Derived No Effect Level
- EUH statement = CLP-specific Hazard statement
- PNEC = Predicted No Effect Concentration
- RRN = REACH Registration Number

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

<table>
<thead>
<tr>
<th>Classification</th>
<th>Justification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Taq DNA Polymerase</td>
<td></td>
</tr>
<tr>
<td>H315</td>
<td>Causes skin irritation.</td>
</tr>
<tr>
<td>H318</td>
<td>Causes serious eye damage.</td>
</tr>
<tr>
<td>H411</td>
<td>Toxic to aquatic life with long lasting effects.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Taq DNA Polymerase</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Aquatic Chronic 2, H411</td>
<td>LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 2</td>
</tr>
<tr>
<td>Eye Dam. 1, H318</td>
<td>SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1</td>
</tr>
<tr>
<td>Skin Irrit. 2, H315</td>
<td>SKIN CORROSION/IRRITATION - Category 2</td>
</tr>
</tbody>
</table>

**Date of issue/ Date of revision**
- 18/01/2018

**Date of previous issue**
- 30/08/2017

**Version**
- 2

**Notice to reader**

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