Section 1. Identification

1.1 Product identifier
Product name: AccuScript High Fidelity Reverse Transcriptase, Part Number 600090
Part No. (Chemical Kit): 600090
Part No.: 10X AccuScript RT Buffer 600090-52
100 mM DTT 600090-53
AccuScript High Fidelity RT 600090-54
Validation date: 5/19/2017

1.2 Relevant identified uses of the substance or mixture and uses advised against
Material uses: Analytical reagent.

10X AccuScript RT Buffer 400 µl
100 mM DTT 400 µl
AccuScript High Fidelity RT 200 µl (reactions)

1.3 Details of the supplier of the safety data sheet
Supplier/Manufacturer: Agilent Technologies, Inc.
5301 Stevens Creek Blvd
Santa Clara, CA 95051, USA
800-227-9770

1.4 Emergency telephone number
In case of emergency: CHEMTREC®: 1-800-424-9300

Section 2. Hazards identification

2.1 Classification of the substance or mixture
OSHA/HCS status:
10X AccuScript RT Buffer
H319 EYE IRRITATION - Category 2A
100 mM DTT
AccuScript High Fidelity RT
H320 EYE IRRITATION - Category 2B

Ingredients of unknown toxicity:
10X AccuScript RT Buffer

Percentage of the mixture consisting of ingredient(s) of unknown dermal toxicity: 10 - 30%
Percentage of the mixture consisting of ingredient(s) of unknown inhalation toxicity: 10 - 30%
Percentage of the mixture consisting of ingredient(s) of unknown oral toxicity: 1 - 10%
Percentage of the mixture consisting of ingredient(s) of unknown dermal toxicity: 1 - 10%
Section 2. Hazards identification

2.2 GHS label elements

<table>
<thead>
<tr>
<th>Hazard pictograms</th>
<th>10X AccuScript RT Buffer</th>
</tr>
</thead>
</table>

Signal word

10X AccuScript RT Buffer
- Warning
100 mM DTT
- No signal word.
AccuScript High Fidelity RT
- Warning

Hazard statements

10X AccuScript RT Buffer
- H319 - Causes serious eye irritation.
100 mM DTT
- No known significant effects or critical hazards.
AccuScript High Fidelity RT
- H320 - Causes eye irritation.

Precautionary statements

Prevention

10X AccuScript RT Buffer
- P280 - Wear eye or face protection.
100 mM DTT
- P264 - Wash hands thoroughly after handling.
AccuScript High Fidelity RT
- Not applicable.

Response

10X AccuScript RT Buffer
- P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
100 mM DTT
- If eye irritation persists: Get medical attention.
AccuScript High Fidelity RT
- P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P337 + P313 - If eye irritation persists: Get medical attention.

Storage

10X AccuScript RT Buffer
- Not applicable.
100 mM DTT
- Not applicable.
AccuScript High Fidelity RT
- Not applicable.

Disposal

10X AccuScript RT Buffer
- Not applicable.
100 mM DTT
- Not applicable.
AccuScript High Fidelity RT
- Not applicable.

Supplemental label elements

10X AccuScript RT Buffer
- None known.
100 mM DTT
- None known.
AccuScript High Fidelity RT
- None known.

2.3 Other hazards

Hazard not otherwise classified

10X AccuScript RT Buffer
- None known.
100 mM DTT
- None known.
AccuScript High Fidelity RT
- None known.

Date of issue: 05/19/2017
Section 3. Composition/information on ingredients

<table>
<thead>
<tr>
<th>Substance/mixture</th>
<th>Ingredient name</th>
<th>%</th>
<th>CAS number</th>
</tr>
</thead>
<tbody>
<tr>
<td>10X AccuScript RT Buffer</td>
<td>2-Amino-2-(hydroxymethyl)propane-1,3-diol hydrochloride</td>
<td>≤10</td>
<td>1185-53-1</td>
</tr>
<tr>
<td></td>
<td>Potassium chloride</td>
<td>≤10</td>
<td>7447-40-7</td>
</tr>
<tr>
<td>100 mM DTT</td>
<td>(R*,R*)-1,4-Dimercaptobutane-2,3-diol</td>
<td>≤3</td>
<td>3483-12-3</td>
</tr>
<tr>
<td>AccuScript High Fidelity RT</td>
<td>Glycerol</td>
<td>≥50 - ≤75</td>
<td>56-81-5</td>
</tr>
</tbody>
</table>

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

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

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

Section 4. First aid measures

4.1 Description of necessary first aid measures

Eye contact: 10X AccuScript RT Buffer
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. Get medical attention.

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

AccuScript High Fidelity RT
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: 10X AccuScript RT Buffer
Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

100 mM DTT
Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
### Section 4. First aid measures

<table>
<thead>
<tr>
<th>Substance</th>
<th>First Aid Measures</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>AccuScript High Fidelity RT</strong></td>
<td>Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.</td>
</tr>
<tr>
<td><strong>10X AccuScript RT Buffer</strong></td>
<td>Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.</td>
</tr>
<tr>
<td><strong>100 mM DTT</strong></td>
<td>Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.</td>
</tr>
<tr>
<td><strong>AccuScript High Fidelity RT</strong></td>
<td>Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if symptoms occur.</td>
</tr>
</tbody>
</table>

**Skin contact**

<table>
<thead>
<tr>
<th>Substance</th>
<th>First Aid Measures</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>10X AccuScript RT Buffer</strong></td>
<td>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.</td>
</tr>
<tr>
<td><strong>100 mM DTT</strong></td>
<td>Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.</td>
</tr>
<tr>
<td><strong>AccuScript High Fidelity RT</strong></td>
<td>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.</td>
</tr>
</tbody>
</table>

**Ingestion**

<table>
<thead>
<tr>
<th>Substance</th>
<th>First Aid Measures</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>10X AccuScript RT Buffer</strong></td>
<td>Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.</td>
</tr>
<tr>
<td><strong>100 mM DTT</strong></td>
<td>Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.</td>
</tr>
<tr>
<td><strong>AccuScript High Fidelity RT</strong></td>
<td>Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if symptoms occur.</td>
</tr>
</tbody>
</table>
Section 4. First aid measures

4.2 Most important symptoms/effects, acute and delayed

<table>
<thead>
<tr>
<th>Potential acute health effects</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Eye contact</strong></td>
</tr>
<tr>
<td>10X AccuScript RT Buffer</td>
</tr>
<tr>
<td>100 mM DTT</td>
</tr>
<tr>
<td>AccuScript High Fidelity RT</td>
</tr>
<tr>
<td><strong>Inhalation</strong></td>
</tr>
<tr>
<td>10X AccuScript RT Buffer</td>
</tr>
<tr>
<td>100 mM DTT</td>
</tr>
<tr>
<td>AccuScript High Fidelity RT</td>
</tr>
<tr>
<td><strong>Skin contact</strong></td>
</tr>
<tr>
<td>10X AccuScript RT Buffer</td>
</tr>
<tr>
<td>100 mM DTT</td>
</tr>
<tr>
<td>AccuScript High Fidelity RT</td>
</tr>
<tr>
<td><strong>Ingestion</strong></td>
</tr>
<tr>
<td>10X AccuScript RT Buffer</td>
</tr>
<tr>
<td>100 mM DTT</td>
</tr>
<tr>
<td>AccuScript High Fidelity RT</td>
</tr>
</tbody>
</table>

**Over-exposure signs/symptoms**

<table>
<thead>
<tr>
<th>Eye contact</th>
<th>10X AccuScript RT Buffer</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>100 mM DTT</td>
</tr>
<tr>
<td></td>
<td>AccuScript High Fidelity RT</td>
</tr>
<tr>
<td></td>
<td>Adverse symptoms may include the following:</td>
</tr>
<tr>
<td></td>
<td>pain or irritation</td>
</tr>
<tr>
<td></td>
<td>watering</td>
</tr>
<tr>
<td></td>
<td>redness</td>
</tr>
<tr>
<td></td>
<td>No specific data.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Inhalation</th>
</tr>
</thead>
<tbody>
<tr>
<td>10X AccuScript RT Buffer</td>
</tr>
<tr>
<td>100 mM DTT</td>
</tr>
<tr>
<td>AccuScript High Fidelity RT</td>
</tr>
<tr>
<td>No specific data.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Skin contact</th>
</tr>
</thead>
<tbody>
<tr>
<td>10X AccuScript RT Buffer</td>
</tr>
<tr>
<td>100 mM DTT</td>
</tr>
<tr>
<td>AccuScript High Fidelity RT</td>
</tr>
<tr>
<td>No specific data.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Ingestion</th>
</tr>
</thead>
<tbody>
<tr>
<td>10X AccuScript RT Buffer</td>
</tr>
<tr>
<td>100 mM DTT</td>
</tr>
<tr>
<td>AccuScript High Fidelity RT</td>
</tr>
<tr>
<td>No specific data.</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Notes to physician</th>
<th>10X AccuScript RT Buffer</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>100 mM DTT</td>
</tr>
<tr>
<td></td>
<td>AccuScript High Fidelity RT</td>
</tr>
<tr>
<td></td>
<td>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></td>
<td>Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.</td>
</tr>
</tbody>
</table>
## Section 4. First aid measures

<table>
<thead>
<tr>
<th>Specific treatments</th>
<th>10X AccuScript RT Buffer</th>
<th>No specific treatment.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>100 mM DTT</td>
<td>No specific treatment.</td>
</tr>
<tr>
<td></td>
<td>AccuScript High Fidelity RT</td>
<td>No specific treatment.</td>
</tr>
</tbody>
</table>

### Protection of first-aiders

<table>
<thead>
<tr>
<th></th>
<th>10X AccuScript RT Buffer</th>
<th>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.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>100 mM DTT</td>
<td>No action shall be taken involving any personal risk or without suitable training.</td>
</tr>
<tr>
<td></td>
<td>AccuScript High Fidelity RT</td>
<td>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.</td>
</tr>
</tbody>
</table>

See toxicological information (Section 11)

## Section 5. Fire-fighting measures

### 5.1 Extinguishing media

<table>
<thead>
<tr>
<th>Suitable extinguishing media</th>
<th>10X AccuScript RT Buffer</th>
<th>Use an extinguishing agent suitable for the surrounding fire.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>100 mM DTT</td>
<td>Use an extinguishing agent suitable for the surrounding fire.</td>
</tr>
<tr>
<td></td>
<td>AccuScript High Fidelity RT</td>
<td>Use an extinguishing agent suitable for the surrounding fire.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Unsuitable extinguishing media</th>
<th>10X AccuScript RT Buffer</th>
<th>None known.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>100 mM DTT</td>
<td>None known.</td>
</tr>
<tr>
<td></td>
<td>AccuScript High Fidelity RT</td>
<td>None known.</td>
</tr>
</tbody>
</table>

### 5.2 Special hazards arising from the substance or mixture

<table>
<thead>
<tr>
<th>Specific hazards arising from the chemical</th>
<th>10X AccuScript RT Buffer</th>
<th>In a fire or if heated, a pressure increase will occur and the container may burst.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>100 mM DTT</td>
<td>In a fire or if heated, a pressure increase will occur and the container may burst.</td>
</tr>
<tr>
<td></td>
<td>AccuScript High Fidelity RT</td>
<td>In a fire or if heated, a pressure increase will occur and the container may burst.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Hazardous thermal decomposition products</th>
<th>10X AccuScript RT Buffer</th>
<th>Decomposition products may include the following materials:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>100 mM DTT</td>
<td>carbon dioxide, carbon monoxide, nitrogen oxides, halogenated compounds, metal oxide/oxides.</td>
</tr>
<tr>
<td></td>
<td>AccuScript High Fidelity RT</td>
<td>Decomposition products may include the following materials:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>carbon dioxide, carbon monoxide, sulfur oxides.</td>
</tr>
</tbody>
</table>

### 5.3 Advice for firefighters
# Section 5. Fire-fighting measures

**Special protective actions for fire-fighters**

| :----------------- | :----------------- | :----------------- |
| 10X AccuScript RT Buffer | Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. | 100 mM DTT |
| AccuScript High Fidelity RT | 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. | 10X AccuScript RT Buffer |

**Special protective equipment for fire-fighters**

| :----------------- | :----------------- | :----------------- |
| 10X AccuScript RT Buffer | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. | 100 mM DTT |
| AccuScript High Fidelity RT | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. | AccuScript High Fidelity RT |

# Section 6. Accidental release measures

## 6.1 Personal precautions, protective equipment and emergency procedures

**For non-emergency personnel**

| :----------------- | :----------------- | :----------------- |
| 10X AccuScript RT Buffer | 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. | 100 mM DTT |
| AccuScript High Fidelity RT | 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. | AccuScript High Fidelity RT |
Section 6. Accidental release measures

For emergency responders:

- 10X AccuScript RT Buffer
- 100 mM DTT
- AccuScript High Fidelity RT

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".

6.2 Environmental precautions:

- 10X AccuScript RT Buffer
- 100 mM DTT
- AccuScript High Fidelity RT

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

6.3 Methods and materials for containment and cleaning up:

Methods for cleaning up:

- 10X AccuScript RT Buffer
- 100 mM DTT
- AccuScript High Fidelity RT

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

Section 7. Handling and storage

7.1 Precautions for safe handling
## Section 7. Handling and storage

**Protective measures**

<table>
<thead>
<tr>
<th>Material</th>
<th>Protective Measures</th>
<th>Storage Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>10X AccuScript RT Buffer</td>
<td>Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.</td>
<td>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.</td>
</tr>
<tr>
<td>100 mM DTT</td>
<td>Put on appropriate personal protective equipment (see Section 8).</td>
<td>Store in accordance with local regulations.</td>
</tr>
<tr>
<td>AccuScript High Fidelity RT</td>
<td>Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.</td>
<td>Store in accordance with local regulations.</td>
</tr>
</tbody>
</table>

**Advice on general occupational hygiene**

<table>
<thead>
<tr>
<th>Material</th>
<th>Advice on General Occupational Hygiene</th>
<th>Storage Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>10X AccuScript RT Buffer</td>
<td>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.</td>
<td>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.</td>
</tr>
<tr>
<td>100 mM DTT</td>
<td>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.</td>
<td>Store in accordance with local regulations.</td>
</tr>
<tr>
<td>AccuScript High Fidelity RT</td>
<td>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.</td>
<td>Store in accordance with local regulations.</td>
</tr>
</tbody>
</table>

### 7.2 Conditions for safe storage, including any incompatibilities

<table>
<thead>
<tr>
<th>Material</th>
<th>Conditions for Safe Storage</th>
<th>Storage Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>10X AccuScript RT Buffer</td>
<td>Store in accordance with local regulations.</td>
<td>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.</td>
</tr>
<tr>
<td>100 mM DTT</td>
<td>Store in accordance with local regulations.</td>
<td>Store in accordance with local regulations.</td>
</tr>
</tbody>
</table>

**Date of issue:** 05/19/2017
Section 7. Handling and storage

AccuScript High Fidelity Reverse Transcriptase, Part Number 600090

AccuScript High Fidelity RT

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

7.3 Specific end use(s)

Recommendations

Industrial sector specific solutions

10X AccuScript RT Buffer
100 mM DTT
AccuScript High Fidelity RT

Not applicable.

10X AccuScript RT Buffer
100 mM DTT
AccuScript High Fidelity RT

Not applicable.

Not applicable.

Section 8. Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

<table>
<thead>
<tr>
<th>Ingredient name</th>
<th>Exposure limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Amino-2-(hydroxymethyl)propane-1,3-diol hydrochloride</td>
<td>None. None.</td>
</tr>
<tr>
<td>Potassium chloride</td>
<td>None. None.</td>
</tr>
<tr>
<td>100 mM DTT</td>
<td>OSHA PEL 1989 (United States, 3/1989). TWA: 5 mg/m³ 8 hours. Form: Respirable fraction</td>
</tr>
<tr>
<td>(R*,R*)-1,4-Dimercaptobutane-2,3-diol</td>
<td>OSHA PEL (United States, 6/2016). TWA: 10 mg/m³ 8 hours. Form: Total dust</td>
</tr>
<tr>
<td>AccuScript High Fidelity RT</td>
<td>OSHA PEL 1989 (United States, 3/1989). TWA: 5 mg/m³ 8 hours. Form: Respirable fraction</td>
</tr>
<tr>
<td>Glycerol</td>
<td>OSHA PEL (United States, 6/2016). TWA: 15 mg/m³ 8 hours. Form: Total dust</td>
</tr>
</tbody>
</table>

8.2 Exposure controls

Appropriate engineering controls

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

Environmental exposure controls

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

Date of issue: 05/19/2017
Section 8. Exposure controls/personal protection

Individual protection measures

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

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

Skin protection

Hand protection: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

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

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

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

Section 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state: 10X AccuScript RT Buffer   Liquid.
                    100 mM DTT   Liquid.
                    AccuScript High Fidelity RT  Liquid.

Color: 10X AccuScript RT Buffer Not available.
                    100 mM DTT Not available.
                    AccuScript High Fidelity RT Not available.

Odor: 10X AccuScript RT Buffer Not available.
                    100 mM DTT Not available.
                    AccuScript High Fidelity RT Not available.

Odor threshold: 10X AccuScript RT Buffer Not available.
                    100 mM DTT Not available.
                    AccuScript High Fidelity RT Not available.

pH: 10X AccuScript RT Buffer 8.3
                    100 mM DTT Not available.
                    AccuScript High Fidelity RT 8

Melting point: 10X AccuScript RT Buffer Not available.
                    100 mM DTT 0°C (32°F)
                    AccuScript High Fidelity RT Not available.

Boiling point: 10X AccuScript RT Buffer Not available.
                    100 mM DTT 100°C (212°F)
                    AccuScript High Fidelity RT Not available.

Date of issue: 05/19/2017
Section 9. Physical and chemical properties

**Flash point**
- 10X AccuScript RT Buffer: Not available.
- 100 mM DTT: Not available.
- AccuScript High Fidelity RT: Not available.

**Evaporation rate**
- 10X AccuScript RT Buffer: Not available.
- 100 mM DTT: Not available.
- AccuScript High Fidelity RT: Not available.

**Flammability (solid, gas)**
- 10X AccuScript RT Buffer: Not applicable.
- 100 mM DTT: Not applicable.
- AccuScript High Fidelity RT: Not applicable.

**Lower and upper explosive (flammable) limits**
- 10X AccuScript RT Buffer: Not available.
- 100 mM DTT: Not available.
- AccuScript High Fidelity RT: Not available.

**Vapor pressure**
- 10X AccuScript RT Buffer: Not available.
- 100 mM DTT: Not available.
- AccuScript High Fidelity RT: Not available.

**Vapor density**
- 10X AccuScript RT Buffer: Not available.
- 100 mM DTT: Not available.
- AccuScript High Fidelity RT: Not available.

**Relative density**
- 10X AccuScript RT Buffer: Not available.
- 100 mM DTT: Not available.
- AccuScript High Fidelity RT: Not available.

**Solubility**
- 10X AccuScript RT Buffer: Easily soluble in the following materials: cold water and hot water.
- 100 mM DTT: Easily soluble in the following materials: cold water and hot water.
- AccuScript High Fidelity RT: Soluble in the following materials: cold water and hot water.

**Partition coefficient: n-octanol/water**
- 10X AccuScript RT Buffer: Not available.
- 100 mM DTT: Not available.
- AccuScript High Fidelity RT: Not available.

**Auto-ignition temperature**
- 10X AccuScript RT Buffer: Not available.
- 100 mM DTT: Not available.
- AccuScript High Fidelity RT: Not available.

**Decomposition temperature**
- 10X AccuScript RT Buffer: Not available.
- 100 mM DTT: Not available.
- AccuScript High Fidelity RT: Not available.

**Viscosity**
- 10X AccuScript RT Buffer: Not available.
- 100 mM DTT: Not available.
- AccuScript High Fidelity RT: Not available.

Section 10. Stability and reactivity

**10.1 Reactivity**
- 10X AccuScript RT Buffer: No specific test data related to reactivity available for this product or its ingredients.
- 100 mM DTT: No specific test data related to reactivity available for this product or its ingredients.
- AccuScript High Fidelity RT: No specific test data related to reactivity available for this product or its ingredients.

**10.2 Chemical stability**
- 10X AccuScript RT Buffer: The product is stable.
- 100 mM DTT: The product is stable.
- AccuScript High Fidelity RT: The product is stable.
Section 10. Stability and reactivity

10.3 Possibility of hazardous reactions
- 10X AccuScript RT Buffer
- 100 mM DTT
- AccuScript High Fidelity RT

Under normal conditions of storage and use, hazardous reactions will not occur.

10.4 Conditions to avoid
- 10X AccuScript RT Buffer
- 100 mM DTT
- AccuScript High Fidelity RT

No specific data.

10.5 Incompatible materials
- 10X AccuScript RT Buffer
- 100 mM DTT
- AccuScript High Fidelity RT

May react or be incompatible with oxidizing materials.

10.6 Hazardous decomposition products
- 10X AccuScript RT Buffer
- 100 mM DTT
- AccuScript High Fidelity RT

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity

<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>10X AccuScript RT Buffer Potassium chloride</td>
<td>LD50 Oral</td>
<td>Rat</td>
<td>2600 mg/kg</td>
<td>-</td>
</tr>
<tr>
<td>AccuScript High Fidelity RT Glycerol</td>
<td>LD50 Oral</td>
<td>Rat</td>
<td>12600 mg/kg</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>10X AccuScript RT Buffer Potassium chloride</td>
<td>Eyes - Mild irritant</td>
<td>Rabbit</td>
<td>-</td>
<td>24 hours 500 milligrams</td>
<td>-</td>
</tr>
<tr>
<td>AccuScript High Fidelity RT Glycerol</td>
<td>Eyes - Mild irritant</td>
<td>Rabbit</td>
<td>-</td>
<td>24 hours 500 milligrams</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Skin - Mild irritant</td>
<td>Rabbit</td>
<td>-</td>
<td>24 hours 500 milligrams</td>
<td>-</td>
</tr>
</tbody>
</table>

Sensitization
Not available.

Mutagenicity
Not available.
Section 11. Toxicological information

**Carcinogenicity**
Not available.

**Reproductive toxicity**
Not available.

**Teratogenicity**
Not available.

**Specific target organ toxicity (single exposure)**

<table>
<thead>
<tr>
<th>Name</th>
<th>Category</th>
<th>Route of exposure</th>
<th>Target organs</th>
</tr>
</thead>
<tbody>
<tr>
<td>10X AccuScript RT Buffer</td>
<td>Category 3</td>
<td>Not applicable.</td>
<td>Respiratory tract irritation</td>
</tr>
<tr>
<td>2-Amino-2-(hydroxymethyl)propane-1,3-diol hydrochloride</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>100 mM DTT (R*,R*)-1,4-Dimercaptobutane-2,3-diol</td>
<td>Category 3</td>
<td>Not applicable.</td>
<td>Respiratory tract irritation</td>
</tr>
<tr>
<td>10X AccuScript RT Buffer</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>100 mM DTT</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AccuScript High Fidelity RT</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Specific target organ toxicity (repeated exposure)**
Not available.

**Aspiration hazard**
Not available.

**Information on the likely routes of exposure**

<table>
<thead>
<tr>
<th>Routes of entry anticipated: Oral, Dermal, Inhalation.</th>
</tr>
</thead>
<tbody>
<tr>
<td>10X AccuScript RT Buffer</td>
</tr>
<tr>
<td>100 mM DTT</td>
</tr>
<tr>
<td>AccuScript High Fidelity RT</td>
</tr>
</tbody>
</table>

**Potential acute health effects**

**Eye contact**

| Causes serious eye irritation. | 10X AccuScript RT Buffer |
| No known significant effects or critical hazards. | 100 mM DTT |
| Causes eye irritation. | AccuScript High Fidelity RT |

**Inhalation**

| No known significant effects or critical hazards. | 10X AccuScript RT Buffer |
| No known significant effects or critical hazards. | 100 mM DTT |
| No known significant effects or critical hazards. | AccuScript High Fidelity RT |

**Skin contact**

| No known significant effects or critical hazards. | 10X AccuScript RT Buffer |
| No known significant effects or critical hazards. | 100 mM DTT |
| No known significant effects or critical hazards. | AccuScript High Fidelity RT |

**Ingestion**

| No known significant effects or critical hazards. | 10X AccuScript RT Buffer |
| No known significant effects or critical hazards. | 100 mM DTT |
| No known significant effects or critical hazards. | AccuScript High Fidelity RT |

**Symptoms related to the physical, chemical and toxicological characteristics**

**Eye contact**

| Adverse symptoms may include the following: pain or irritation, watering, redness | 10X AccuScript RT Buffer |
| No specific data. | 100 mM DTT |
| Adverse symptoms may include the following: irritation, watering | AccuScript High Fidelity RT |

**Date of issue:** 05/19/2017
Section 11. Toxicological information

Inhalation:
- 10X AccuScript RT Buffer
- 100 mM DTT
- AccuScript High Fidelity RT

Skin contact:
- 10X AccuScript RT Buffer
- 100 mM DTT
- AccuScript High Fidelity RT

Ingestion:
- 10X AccuScript RT Buffer
- 100 mM DTT
- AccuScript High Fidelity RT

General:
- 10X AccuScript RT Buffer
- 100 mM DTT
- AccuScript High Fidelity RT

Carcinogenicity:
- 10X AccuScript RT Buffer
- 100 mM DTT
- AccuScript High Fidelity RT

Mutagenicity:
- 10X AccuScript RT Buffer
- 100 mM DTT
- AccuScript High Fidelity RT

Teratogenicity:
- 10X AccuScript RT Buffer
- 100 mM DTT
- AccuScript High Fidelity RT

Developmental effects:
- 10X AccuScript RT Buffer
- 100 mM DTT
- AccuScript High Fidelity RT

Fertility effects:
- 10X AccuScript RT Buffer
- 100 mM DTT
- AccuScript High Fidelity RT

(delayed and immediate effects and also chronic effects from short and long term exposure)

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

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

Potential chronic health effects:

General:
- 10X AccuScript RT Buffer
- 100 mM DTT
- AccuScript High Fidelity RT

Carcinogenicity:
- 10X AccuScript RT Buffer
- 100 mM DTT
- AccuScript High Fidelity RT

Mutagenicity:
- 10X AccuScript RT Buffer
- 100 mM DTT
- AccuScript High Fidelity RT

Teratogenicity:
- 10X AccuScript RT Buffer
- 100 mM DTT
- AccuScript High Fidelity RT

Developmental effects:
- 10X AccuScript RT Buffer
- 100 mM DTT
- AccuScript High Fidelity RT

Fertility effects:
- 10X AccuScript RT Buffer
- 100 mM DTT
- AccuScript High Fidelity RT

Numerical measures of toxicity

Acute toxicity estimates:

<table>
<thead>
<tr>
<th>Route</th>
<th>ATE value</th>
</tr>
</thead>
<tbody>
<tr>
<td>10X AccuScript RT Buffer</td>
<td></td>
</tr>
<tr>
<td>Oral</td>
<td>46428.6 mg/kg</td>
</tr>
<tr>
<td>100 mM DTT</td>
<td>32467.5 mg/kg</td>
</tr>
</tbody>
</table>

Date of issue: 05/19/2017
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>10X AccuScript RT Buffer Potassium chloride</td>
<td>Acute EC50 1337000 µg/l Fresh water</td>
<td>Algae - Navicula seminulum</td>
<td>96 hours</td>
</tr>
<tr>
<td></td>
<td>Acute EC50 9.24 g/L Fresh water</td>
<td>Algae - Desmodesmus subspicatus</td>
<td>72 hours</td>
</tr>
<tr>
<td></td>
<td>Acute EC50 141460 µg/l Fresh water</td>
<td>Daphnia - Daphnia magna</td>
<td>48 hours</td>
</tr>
<tr>
<td></td>
<td>Acute LC50 12.92 mg/l Fresh water</td>
<td>Crustaceans - Pseudosida ramosa - Neonate</td>
<td>48 hours</td>
</tr>
<tr>
<td>100 mM DTT (R*,R*)-1, 4-Dimercaptobutane-2,3-diol</td>
<td>Acute LC50 880000 µg/l Fresh water</td>
<td>Fish - Pimephales promelas</td>
<td>96 hours</td>
</tr>
<tr>
<td>AccuScript High Fidelity RT Glycerol</td>
<td>Acute LC50 27000 µg/l Fresh water</td>
<td>Daphnia - Daphnia magna</td>
<td>48 hours</td>
</tr>
<tr>
<td></td>
<td>Acute LC50 54000 mg/l Fresh water</td>
<td>Fish - Oncorhynchus mykiss</td>
<td>96 hours</td>
</tr>
</tbody>
</table>

12.2 Persistence and degradability

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Aquatic half-life</th>
<th>Photolysis</th>
<th>Biodegradability</th>
</tr>
</thead>
<tbody>
<tr>
<td>10X AccuScript RT Buffer Potassium chloride</td>
<td>-</td>
<td>-</td>
<td>Readily</td>
</tr>
</tbody>
</table>

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>10X AccuScript RT Buffer Potassium chloride</td>
<td>-0.46</td>
<td>-</td>
<td>low</td>
</tr>
<tr>
<td>AccuScript High Fidelity RT Glycerol</td>
<td>-1.76</td>
<td>-</td>
<td>low</td>
</tr>
</tbody>
</table>

12.4 Mobility in soil

Soil/water partition coefficient (K<sub>oc</sub>) : Not available.

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

Section 13. Disposal considerations

13.1 Waste treatment methods

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

Date of issue : 05/19/2017

16/19
Section 13. Disposal considerations

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

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

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

Section 14. Transport information

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

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

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

Section 15. Regulatory information

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

U.S. Federal regulations

Clean Water Act (CWA) 311 : Edetic acid

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

Clean Air Act Section 602 Class I Substances : Not listed

Clean Air Act Section 602 Class II Substances : Not listed

DEA List I Chemicals (Precursor Chemicals) : Not listed

DEA List II Chemicals (Essential Chemicals) : Not listed

SARA 302/304

Composition/information on ingredients

No products were found.

SARA 304 RQ : Not applicable.

SARA 311/312

Classification

| 10X AccuScript RT Buffer | Immediate (acute) health hazard |
| 100 mM DTT | Not applicable. |
| AccuScript High Fidelity RT | Immediate (acute) health hazard |

Composition/information on ingredients

Date of issue : 05/19/2017
Section 15. Regulatory information

<table>
<thead>
<tr>
<th>Name</th>
<th>%</th>
<th>Fire hazard</th>
<th>Sudden release of pressure</th>
<th>Reactive</th>
<th>Immediate (acute) health hazard</th>
<th>Delayed (chronic) health hazard</th>
</tr>
</thead>
<tbody>
<tr>
<td>Potassium chloride</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>100 mM DTT</td>
<td>≤3</td>
<td>No.</td>
<td>No.</td>
<td>No.</td>
<td>Yes.</td>
<td>No.</td>
</tr>
<tr>
<td>(R*,R*)-1,4-Dimercaptobutane-2,3-diol</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AccuScript High Fidelity RT</td>
<td>≥50 - ≤75</td>
<td>No.</td>
<td>No.</td>
<td>No.</td>
<td>Yes.</td>
<td>No.</td>
</tr>
<tr>
<td>Glycerol</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**State regulations**
- **Massachusetts**: The following components are listed: GLYCERINE MIST
- **New York**: None of the components are listed.
- **New Jersey**: The following components are listed: GLYCERIN; 1,2,3-PROPANETRIOL
- **Pennsylvania**: The following components are listed: 1,2,3-PROPANETRIOL

**California Prop. 65**
- Not available.

**International regulations**
- **Chemical Weapon Convention List Schedules I, II & III Chemicals**: Not listed.
- **Stockholm Convention on Persistent Organic Pollutants**: Not listed.
- **UNECE Aarhus Protocol on POPs and Heavy Metals**: Not listed.

**Inventory list**
- **Australia**: All components are listed or exempted.
- **Canada**: All components are listed or exempted.
- **China**: All components are listed or exempted.
- **Europe**: All components are listed or exempted.
- **Malaysia**: Not determined.
- **New Zealand**: All components are listed or exempted.
- **Philippines**: All components are listed or exempted.
- **Republic of Korea**: Not determined.
- **Taiwan**: Not determined.
- **Thailand**: Not determined.
- **Turkey**: Not determined.

**Date of issue**: 05/19/2017
Section 15. Regulatory information

United States : All components are listed or exempted.
Viet Nam : Not determined.

Section 16. Other information

History

Date of issue : 05/19/2017
Date of previous issue : 10/12/2016.
Version : 5

Indicates information that has changed from previously issued version.

Notice to reader

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