Material Safety Data Sheet

Section 1-Product Information

Product name: Taq DNA Polymerase
Product Cat. No.: E00007-1000, E00007-5000

Section 2-Composition / Information on Ingredients

Substance/Preparation: Preparation
Ingredient Name: Taq DNA Polymerase
CAS No.: NA

Section 3- Hazards Identification

Emergency Overview
Irritant: Irritating to eyes, respiratory system and skin
Target Organ(s): Kidneys
HMIS RATING
HEALTH: 2*
FLAMMABILITY: 0
REACTIVITY: 0
NFPA RATING
HEALTH: 2
FLAMMABILITY: 0
REACTIVITY: 0

* Additional chronic hazards present.
For additional information on toxicity, please refer to Section 11.

Section 4- First Aid Measures

First Aid Measures

Ihalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Ingestion: Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an un conscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

Skin Contact: In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

Eye Contact: Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

Aggravating Conditions: Repeat or prolonged exposure is not known to aggravate medical attention.
Section 5- Fire Fighting Measures

Flammability of the Product
May be combustible at high temperature.

Extinguishing Media
Suitable
SMALL FIRE: Use DRY chemical powder.
LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

Hazardous thermal (de)composition
These products are carbon (CO, CO_2), nitrogen oxides (NO, NO_2...)

Special fire-fighting procedures
Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.

Protection fire-fighting procedures
Be sure to use an approved/certified respirator or equivalent.

Section 6- Accidental Release Measures

Personal Precaution(s)
Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Small Spill and Leak
Use appropriate tools to put the spilled solid in a convenient waste disposal container.

Large Spill and Leak
Use a shovel to put the material into a convenient waste disposal container.

Section 7-Handling and Storage

Handling
Avoid inhalation

Storage
Keep below -20°C (-4°F)

Packaging Materials
Use original container

Section 8-Exposure Controls/Personal Protection Equipment

Engineering Measures
Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Hygiene Measures
Wash hands after handling compounds and before eating, smoking, using lavatory, and at the end of the day.

Personal Protective equipment
Skin and body: lab coat
Eyes: Safety glasses
Protective clothing (Pictograms)

Section 9- Physical and Chemical Properties

Physical State
Liquid

Color
No color

Flash Point
Not available

Explosive Properties
No

Section 10- Stability and Reactivity

Stability
The product is stable.

Conditions to Avoid
Not available

Hazardous Decomposition Products
These products are carbon oxides (CO, CO_2), nitrogen oxides (NO, NO_2...).
Section 11- Toxicological Information

<table>
<thead>
<tr>
<th>Category</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin Irritations</td>
<td>Not available</td>
</tr>
<tr>
<td>Acute Toxicity</td>
<td>LD50: Not available; LC50: Not available</td>
</tr>
<tr>
<td>Chronic Toxicity</td>
<td>Repeated and prolonged exposure is not known to aggravate medical condition.</td>
</tr>
<tr>
<td>Other Toxic Effects on Humans</td>
<td>Not available</td>
</tr>
<tr>
<td>Carcinogenic Effects</td>
<td>Not available</td>
</tr>
<tr>
<td>Mutagenic Effects</td>
<td>Not available</td>
</tr>
<tr>
<td>Reproduction Toxicity</td>
<td>Not available</td>
</tr>
<tr>
<td>Teratogenic Effects</td>
<td>Not available</td>
</tr>
</tbody>
</table>

Section 12- Ecological Information

<table>
<thead>
<tr>
<th>Category</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ecotoxicity</td>
<td>Not available</td>
</tr>
<tr>
<td>Toxicity of the Products of Biodegradation</td>
<td>The product itself and its products of degradation are not toxic.</td>
</tr>
</tbody>
</table>

Section 13- Disposal Considerations

<table>
<thead>
<tr>
<th>Methods of disposal; Waste of residues</th>
<th>Waste must be disposed of in accordance with federal, state and local environmental control regulations.</th>
</tr>
</thead>
</table>

Section 14- Transport Information

<table>
<thead>
<tr>
<th>DOT</th>
<th>None</th>
</tr>
</thead>
<tbody>
<tr>
<td>Proper Shipping Name</td>
<td>This substance is considered to be non-hazardous for transport.</td>
</tr>
<tr>
<td>Non-Hazardous for Transport</td>
<td>Non-hazardous for air transport.</td>
</tr>
<tr>
<td>IATA</td>
<td>Non-hazardous for air transport.</td>
</tr>
</tbody>
</table>

Section 15- Regulatory Information

<table>
<thead>
<tr>
<th>EU Additional Classification</th>
<th>Xi</th>
</tr>
</thead>
<tbody>
<tr>
<td>Symbol of Danger</td>
<td></td>
</tr>
<tr>
<td>Indication of Danger</td>
<td>Irritant</td>
</tr>
<tr>
<td>R</td>
<td>36/37/38</td>
</tr>
<tr>
<td>Risk Statements</td>
<td>Irritating to eyes, respiratory system and skin.</td>
</tr>
<tr>
<td>S</td>
<td>26-36</td>
</tr>
<tr>
<td>Safety Statements</td>
<td>In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>US Classification and Label Text</th>
<th>Irritant</th>
</tr>
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<tr>
<th>US Statements</th>
<th>Target organ(s): Kidneys</th>
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<tr>
<td>United States Regulatory Information</td>
<td>SARA listed: No</td>
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Section 16- Other information

GenScript corporation MSDS is believed to be correct but only used as a guide for experienced personnel. GenScript shall not be held liable for any damage resulting from the handling or from contact with the above product.