Material Safety Data Sheet

Section 1-Product Information
Product name: Taq DNA Polymerase
Product Cat. No.: E00007

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
Inhalation: 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 unconscious 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, CO₂), nitrogen oxides (NO, NO₂...)
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)

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, CO₂), nitrogen oxides (NO, NO₂...).

Section 11- Toxicological Information

Skin Irritations: Not available
Acute Toxicity: LD₅₀: Not available
LC₅₀: Not available
Chronic Toxicity: Repeated and prolonged exposure is not known to aggravate medical condition.
Other Toxic Effects on Humans: Not available
Carcinogenic Effects: Not available
Mutagenic Effects: Not available
Reproduction Toxicity: Not available
Teratogenic Effects: Not available

**Section 12 - Ecological Information**

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

**Section 13 - Disposal Considerations**

| Methods of disposal; Waste of residues | Waste must be disposed of in accordance with federal, state and local environmental control regulations.

**Section 14 - Transport Information**

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

<table>
<thead>
<tr>
<th>IATA</th>
<th>Non-hazardous for Air Transport</th>
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<td>Non-Hazardous for Air Transport</td>
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**Section 15 - Regulatory Information**

<table>
<thead>
<tr>
<th>EU Additional Classification</th>
<th>Xi</th>
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<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>

| US Classification and Label Text | | |
|--------------------------------|-----|
| Indication of Danger | Irritant |
| Risk Statements | Irritating to eyes, respiratory system and skin. |
| Safety Statements | In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing. |

<table>
<thead>
<tr>
<th>US Statements</th>
<th>Target organ(s): Kidneys</th>
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<tbody>
<tr>
<td>United States Regulatory Information</td>
<td>SARA listed: No</td>
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</tbody>
</table>

**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.