Section 1 : **Chemical Identification & Company Information**

- **Code No.** : MBT084
- **Name of the Product** : 50bp DNA Ladder
- **Produced by** : HiMedia Laboratories Pvt. Ltd.
- **Address** : 23, Vadhani Indl. Estate, LBS Marg, Mumbai 400 086, India.
- **Tel. No.** : 2500 0970, 2500 1607  Fax No. 022 2500 2468

Section 2 : **Product Composition (Classification)**

Proprietary mixture containing water, Glycerol and other components. Components not listed here are not dangerous.

Section 3 : **Hazards Identification**

Preparation is not classified as hazardous. No exposure limits established by OSHA or ACGIH.

Section 4 : **First - Aid Measures**

In case of swallowing - wash out mouth with water provided person is conscious. In case of skin contact - flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. In case of inhalation - move victim to fresh air. If breathing becomes difficult, call physician. In case of contact with eyes, wash with copious amounts of water for at least 15 minutes. Assure adequate washing of opened eyes for several minutes. In serious conditions, call a physician, show the container or label.

Section 5 : **Fire Fighting Measures**

Suitable Extinguising agents: Water spray, Carbon dioxide, dry chemical powder or appropriate foam. Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Section 6 : **Accidental Release Measures**

Wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves. Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after picking up the material. Additional Information: No dangerous substance released from the product.

Section 7 : **Handling and Storage**

- **Handling** : Refer to Section 8
- **Storage** : Store at - 20°C

Section 8 : **Exposure Controls / Personal Protection**

Wear appropriate NIOSH/MSHA-approved respirator, chemical-resistant gloves, safety goggles, other protective clothing. Mechanical exhaust required.
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- Name of the Product: 50bp DNA Ladder
- Produced by: HiMedia Laboratories Pvt. Ltd.
- Address: 23, Vadhani Indl. Estate, LBS Marg, Mumbai 400 086, India.
- Tel. No.: 2500 0970, 2500 1607  Fax No. 022 2500 2468

Section 2 : Product Composition (Classification)

Proprietary mixture containing water, Glycerol and other components.
Components not listed here are not dangerous

Section 3 : Hazards Identification

Preparation is not classified as hazardous. No exposure limits established by OSHA or ACGIH.

Section 4 : First-Aid Measures

In case of swallowing - wash out mouth with water provided person is conscious. In case of skin contact - flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes.
In case of inhalation - move victim to fresh air. If breathing becomes difficult, call physician. In case of contact with eyes, wash with copious amounts of water for at least 15 minutes. Assure adequate washing of opened eyes for several minutes. In serious conditions, call a physician, show the container or label.

Section 5 : Fire Fighting Measures

Suitable Extinguising agents: Water spray, Carbon dioxide, dry chemical powder or appropriate foam. Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Section 6 : Accidental Release Measures

Wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves. Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after picking up the material. Additional Information: No dangerous substance released from the product.

Section 7 : Handling and Storage

Handling - Refer to Section 8
Storage - Store at -20°C

Section 8 : Exposure Controls / Personal Protection

Wear appropriate NIOSH/MSHA-approved respirator, chemical-resistant gloves, safety goggles, other protective clothing. Mechanical exhaust required.
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Section 9 : **Physical and Chemical Properties**
Appearance : Liquid; Color: yellow; Odour: Odorless

Section 10 : **Stability and Reactivity**
Stability : Product is stable if stored as per the conditions specified under storage of Section No. 7. Product loses its potency/performance above 45°C.
Conditions to avoid : Strong oxidizing agents and fire

Section 11 : **Toxicological Information**
Repeated ingestion and excessive exposure may be irritating. Prolonged skin and eye contact may cause minor irritation. When used and handled according to specifications, the product does not have any harmful effects.

Section 12 : **Ecological Information**
The preparation is readily biodegradable. It is not dangerous to the environment w.r.t. mobility, persistence and degradability, bioaccumulation, aquatic toxicity and other data relating to ecotoxicity. The preparation does not accumulate bioata or pass through the food chain.

Section 13 : **Disposal Considerations**
No special disposal methods required, except to be in accordance with current local environmental regulations.

Section 14 : **Transport Information**
U.N. No.: Not applicable

Section 15 : **Regulatory Information**
Risk Phrases : 36/37/38 Irritating to eyes/irritating to respiratory systems/ Irritating to skin.
Safety Phrases : 20/21-24/25 when using do not eat, drink, or smoke - Avoid contact with eyes

Section 16 : **Other Information**
Disclaimer : For R & D use only. Not for drug, household or other uses.
Warranty : The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.
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Conditions to avoid : Strong oxidizing agents and fire

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Risk Phrases : 36/37/38 Irritating to eyes/irritating to respiratory systems/ Irritating to skin.
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Safety Phrases : 20/21-24/25 when using do not eat, drink, or smoke - Avoid contact with eyes

Section 16 : **Other Information**
Disclaimer : For R & D use only. Not for drug, household or other uses.
Warranty : The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.
Section 9 : Physical and Chemical Properties
Appearance : Liquid; Color: yellow; Odour: Odorless

Section 10 : Stability and Reactivity
Stability : Product is stable if stored as per the conditions specified under storage of Section No. 7. Product loses its potency/performance above 45°C.
Conditions to avoid : Strong oxidizing agents and fire

Section 11 : Toxicological Information
Repeated ingestion and excessive exposure may be irritating. Prolonged skin and eye contact may cause minor irritation. When used and handled according to specifications, the product does not have any harmful effects.

Section 12 : Ecological Information
The preparation is readily biodegradable. It is not dangerous to the environment w.r.t. mobility, persistence and degradability, bioaccumulation, aquatic toxicity and other data relating to ecotoxicity. The preparation does not accumulate bioata or pass through the food chain.

Section 13 : Disposal Considerations
No special disposal methods required, except to be in accordance with current local environmental regulations.

Section 14 : Transport Information
U.N. No.: Not applicable

Section 15 : Regulatory Information
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