

**1 Identification of the substances/ mixture and of the company/ undertaking****1.1 Product Identifiers**

Product Number MBT130  
Product Name 100 bp DNA Ladder M

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

**1.2.1** Relevant identified uses For Laboratory Use

**1.3 Details of the supplier of the safety data sheet**

Produced by HiMedia Laboratories Private Limited  
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Mail Id [mb@himedialabs.com](mailto:mb@himedialabs.com) Website : [www.himedialabs.com](http://www.himedialabs.com)

**1.4 Emergency Tel. No.**

Emergency Tel. No. Please contact the regional HiMedia representation in your country

**2 Hazards Identification****2.1 Classification of the substance or mixture**

**CLP Classification-Regulation (EC) No. 1272/2008[EU-GHS/CLP]**

Not a hazardous substance or mixture  
according to Regulation (EC) No.1272/2008

**2.2 Label elements**

**Labeling according to Regulation (EC) No.1272/2008**

The product does not need to be labelled according to Regulation (EC) No. 1272/2008.

**2.3 Other Hazards**

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

**3 Composition/Information On Ingredients**

All ingredients in this mixture are nonhazardous.

**4 First Aid Measures****4.1 Description of first aid measures****General advice**

Consult a physician. Show this safety data sheet to the doctor in attendance.

**If inhaled**

If breathed in, move person into fresh air. Consult a physician.

**In case of skin contact**

If skin irritation occurs, get medical advice/attention.

**In case of eye contact**

Rinse out with plenty of water with the eyelid held wide open. Flush with running water for atleast 15 minutes. Consult a physician.

***If swallowed***

Rinse mouth with water. Consult a physician.

**4.2 Most important symptoms and effects, both acute and delayed**

The most important known symptoms and effects are described in the labeling (see section 2.2) and/or in section 11.

**4.3 Indication of immediate medical attention and special treatment needed**

Treat symptomatically.

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**5 Fire Fighting Measures**

**5.1 Extinguishing media**

***Suitable extinguishing media***

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

***Unsuitable extinguishing media***

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

Carbon oxides, nitrogen oxides (NOx), Sulphur oxides

**5.3 Precautions for fire-fighters**

Wear self contained breathing apparatus for fire fighting if necessary

**5.4 Further information**

No data available

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**6 Accidental Release Measures**

**6.1 Personal precautions, protective equipment and emergency procedures**

Wear disposable gloves, dust mask and eye protection. Ensure adequate ventilation.

**6.2 Environmental precautions**

No special environmental precautions required.

**6.3 Methods and materials for containment and cleaning up**

Soak up with inert absorbent material. Ventilate area and wash spill site after material pick up is complete.

**6.4 Reference to other sections**

For disposal see Section 13.

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**7 Handling and Storage**

**7.1 Precautions for safe handling**

For precautions see section 2.2.

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

Keep container tightly closed. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

***Recommended Storage Temperature*** : - 20°C

**7.3 Specific end uses**

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

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## **8 Exposure Controls/Personal Protection**

### **8.1 Control parameters**

Components with workplace control parameters

### **8.2 Exposure controls**

#### ***Appropriate engineering controls***

Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the products.

#### ***Personal protective equipment***

##### ***Eye/face protection***

Tightly fitting safety goggles; Faceshield (8-inch minimum). Use equipment for eye protection tested and approved under appropriate government such as NIOSH (US) or EN 166(EU).

##### ***Skin protection***

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

##### ***Body protection***

Complete suit protecting against chemicals. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

##### ***Respiratory protection***

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

##### ***Environment exposure controls***

No special environmental precautions required.

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## **9 Physical and chemical properties**

### **9.1 Information on basic physical and chemical properties**

Appearance	Liquid
Odour	Odorless
Odour Threshold	No data available
pH	No data available
Flash point	No data available
Evaporation rate	No data available
Flammability (Solid, gas)	No data available
Vapour pressure	No data available
Relative density	No data available
Water Solubility	Miscible in water
Autoignition Temperature	No data available
Decomposition Temperature	No data available
Viscosity	No data available
Vapour density	No data available
Thermal decomposition	No data available

### **9.2 Other safety information**

No data available

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**10 Stability and Reactivity**

**10.1 Reactivity**

No data available

**10.2 Chemical stability**

Stable under recommended storage conditions.

**10.3 Possibility of hazardous reactions**

Hazardous polymerization does not occur

**10.4 Conditions to avoid**

No data available

**10.5 Incompatible materials**

No data available

**10.6 Hazardous decomposition products**

Other Decomposition products not known.

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**11 Toxicological Information**

**11.1 Information on toxicological effects**

***Acute toxicity***

No data available

***Skin corrosion/irritation***

No data available

***Serious eye damage/eye irritation***

No data available

***Respiratory or skin sensitisation***

No data available

***Germ cell mutagenicity***

No data available

***Carcinogenicity***

No data available

***Reproductive toxicity***

No data available

***Specific target organ toxicity- single exposure***

No data available

***Aspiration hazard***

No data available

***Potential Health Effects***

***Inhalation***

REFER SECTION 2

***Skin***

REFER SECTION 2

***Eyes***

REFER SECTION 2

***Ingestion***

REFER SECTION 2

**Additional Information**

RTECS : Not Applicable

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**12 Ecological Information**

**12.1 Toxicity**

No data available

**12.2 Persistence and degradability**

No data available

**12.3 Bioaccumulative potential**

No data available

**12.4 Mobility in soil**

No data available

**12.5 PBT and vPvB assessment**

This preparation contains no substance considered to be persistent, bioaccumulating or toxic (PBT) or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

**12.6 Other adverse effects**

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**13 Disposal Considerations**

**13.1 Waste treatments methods**

**Product**

Dispose of as unused product.

**13.2 Contaminated packaging**

Dispose in accordance with all applicable federal, state, and local environmental regulations.

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**14 Transport Information**

**14.1 UN-No**

ADNR : ADR : IATA\_C : IATA\_P : IMDG : RID :

**14.2 UN proper shipping name**

ADNR : Not dangerous goods

ADR : Not dangerous goods

IATA\_C : Not dangerous goods

IATA\_P : Not dangerous goods

IMDG : Not dangerous goods

RID : Not dangerous goods

**14.3 Transport hazard class(es)**

ADNR : - ADR : - IATA\_C : - IATA\_P : - IMDG : - RID : -

**14.4 Packaging group**

ADNR : ADR : IATA\_C : IATA\_P : IMDG : RID :

**14.5 Environmental hazards**

ADNR : No ADR : No IMDG : Marine Pollutant : NO IATA\_C : No IATA\_P : No RID : No

**14.6 Special precautions for use**

No data available

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**15 Regulatory Information****15.1 Safety health and environment regulations/legislation specific for the substance or mixture**

No data available

**15.2 Chemical Safety Assessment**

No data available

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**16 Other information****Further Information**

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