

Material Safety Data Sheet

1. PRODUCT IDENTIFICATION

■ Production Name: VioEasy™ 100bp DNA Ladder

■ Catalogue Number: MD104

■ Manufacturer/ Supplier: **VIOGENE BIOTEK CORP.**

Address: 10F, No.276, Da-Tung Rd., Sec.1,
Sijhih Dist., New Taipei City, Taiwan, R.O.C.
Tel: + 886 2 26472259

■ Preparation Date: ____ / ____ / ____

■ Contact / Preparatory: Simon Chou

■ Information Number: + 886 2 2647 2259

2. COMPOSITION / DATA ON COMPONENTS

N/A

3. HAZARDS IDENTIFICATION

■ *Potential health effects:*

Eyes: May cause irritation of the eyes

Skin: May cause skin irritation

Inhalation: May cause sensitization by inhalation

4. FIRST AID MEASURES (CONT.)

■ *Potential health effects:*

General Information: No special measures required.

Eyes: Rinse out with plenty of water with the eyelid held wide open. Summon eye specialist.

Skin: Wash off with plenty of water. Remove contaminated clothing.

Inhalation: Supply fresh airs; consult doctor in case of complaints.

Swallowing: Make victim drink plenty of water, but do not induce vomiting. Summon doctor.

Dermal In case of contact, immediately wash skin with soap and copious amounts of water. Remove

Exposure: clothing and call a physician.

5. FIRE FIGHTING MEASURES

■ Suitable extinguishing media: CO₂, Water, foam, powder.

■ Special risks: Combustible.

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【NOTE:】 Do not enter fire area without proper protection including self-contained breathing apparatus and full protective equipment. Fight fire from a safe distance and a protected location due to the potential of hazardous vapors and decomposition products.

6. ACCIDENTAL RELEASE MEASURES

- Procedure(s) of personal precaution(s): Wear self-contained breathing apparatus, chemical safety goggles, rubber boots, and chemical resistant gloves. Wear disposable coveralls and discard them after use.
- Methods for cleaning up: Absorb on sand or vermiculite and place in a closed container for disposal. Ventilate area and wash spill site after material pick up is complete.

7. HANDLING AND STORAGE

- Handling: No specific measures necessary
- Store: Storage area should be: -20°C

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

- *Engineering Controls:* Safety shower and eye bath. Mechanical exhaust required.

Personal Protective Equipment:

<u>Respiratory protection:</u>	NIOSH/MSHA-approved respirator.
<u>Eye protection:</u>	Compatible safety goggles.
<u>Hand protection:</u>	Required
<u>General Hygiene Measures:</u>	Wash thoroughly after handling. Wash contaminated clothing before use.
<u>Avoid inhalation:</u>	Keep tightly closed store in a cool dry place freeze.

Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier.

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9. PHYSICAL AND CHEMICAL PROPERTIES:

<u>Method</u>	<u>Value/Range Unit</u>
Melting Point	-10°C
Boiling Point	105°C
Flash Point	> 392 F, > 200°C
Explosion limits in air (lower)	0.9%
Specific Gravity	1.20
Solubility	Water –Z26130
Vapor Pressure	< 1 MMHG@20°C

Danger of explosion: Product does not present an explosion Lard.

10. STABILITY AND REACTIVITY (CONT.)

- *Stability:* Stable.
- *Materials to Avoid:* Strong oxidizing agents, strong bases.
- *Hazardous decomposition products:* Carbon Monoxide, Carbon Dioxide.

11. TOXICOLOGICAL INFORMATION

- *Acute toxicity:* Quantitative data on the toxicity of this product are not available.

Further toxicological information:

<u>Multiple Routes:</u>	May be harmful by inhalation, ingestion, or skin absorption
<u>Skin:</u>	May cause skin irritation
<u>Eyes:</u>	May cause eye irritation
<u>Chronic Effects:</u>	Target Organs, Kidney

- Materials may be irritating to mucous membranes and upper respiratory tract.

12. ECOLOGICAL INFORMATION:

N/A

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13. DISPOSAL CONSIDERATIONS:

- Contact a licensed professional waste disposal service to dispose of this material.
- Observe all federal state and local environmental regulations.
- Dissolve or mix the material with a combustable solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

14. TRANSPROT INFORAMTION:

DOT

Proper Shipping Name: None

Non-Hazardous for Transport: This substance is considered to be non-hazardous for transport.

IATA

Non-Hazardous for Air Transport: Non-hazardous for air transport.

15. REGULATORY INFORMATION:

N/A

16. OTHER INFORAMTION:

- **Other Comment:** N/A – Not available or no information.
- **Disclaimer:** This information contained herein is based upon our efforts to acknowledge. However, we do not warrant the accuracy of this information. In no case shall VIOGENE does constitute a warranty for incidental or consequential damages, including lost profits.