

Safety Data Sheet

Section 1: Identification

Product identifier

Product Name: 100bp DNA Ladder

Product Code: M102O-100/M102O-500

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

Recommended use: Hazard Communication & Compliance

Details of the supplier of the safety data sheet

Manufacturer: GenScript
860 Centennial Ave.
Piscataway, NJ 08854 United States
www.GenScript.com
product@GenScript.com

Telephone (General): 1-732-885-9188

Emergency telephone number

Manufacturer: 1-877-436-7274

Section 2: Hazards identification

According to OSHA 29 CFR 1910.1200 HCS

Emergency Overview: sepharose suspention. Toxicological properties of components have not been fully investigated.

Health Effects: Not classified

Inhalation: Not known to present an inhalation hazard under normal use.

Skin: Causes skin irritation

Eyes: Causes serious eye irritation

Ingestion: May be harmful if swallowed.

Chronic Effects/Target Organ Effects: None known.

Medical Conditions Aggravated By Exposure: None known.

Environmental Effects: None known.

Section 3 - Composition/Information on Ingredients

The product contains no substances which at their given concentration, are considered to be hazardous to health.

Section 4: First-Aid Measures

Inhalation	Remove casualty to fresh air and keep warm and at rest. If breathing is irregular or stopped, administer artificial respiration. In case of respiratory tract irritation, consult a physician.
Skin	After contact with skin, wash immediately with plenty of water and soap. Remove contaminated, saturated clothing immediately. In case of skin reactions, consult a physician.
Eye	In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist. Protect uninjured eye. Remove contact lenses, if present and easy to do. Continue rinsing.
Ingestion	If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Do NOT induce vomiting. Give nothing to eat or drink.

Section 5: Fire-Fighting Measures

Suitable Extinguishing Media: The product itself does not burn. Co-ordinate fire-fighting measures to the fire surroundings.

Special protective equipment for firefighters

DO NOT fight fire when fire reaches explosives. Special protective equipment for firefighters .Wear a self-contained breathing apparatus and chemical protective clothing.

Section 6 - Accidental Release Measures

Personal Precautions	In case of major fire and large quantities: Remove persons to safety.
Methods for cleaning up	Spilled product must never be returned to the original container for recycling. Collect in closed and suitable containers for disposal.
Environmental precautions	Discharge into the environment must be avoided.

Section 7 - Handling and Storage

Handling: All work processes must always be designed so that the following is as low as possible: Inhalation skin contact Eye contact Use extractor hood (laboratory). If handled uncovered, arrangements with local exhaust ventilation have to be used. If local exhaust ventilation is not possible or not sufficient, the entire working area must be ventilated by technical means.

Storage: Recommended storage temperature: no data available Storage class: no data available Keep container tightly closed and in a well-ventilated place. Keep/Store only in original container.

Section 8 - Exposure Controls/Personal Protection

Exposure Controls: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Respiratory Protection: In case of insufficient ventilation, wear suitable respiratory equipment.

Eye/Face Protection: Eye glasses with side protection DIN-/EN-Norms: DIN EN 166

Skin/Hand Protection: When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. Recommended glove articles DIN-/EN-Norms: DIN EN 374 In the case of wanting to use the gloves again, clean them before taking off and air them well.

Section 9 - Physical and Chemical Properties

General information

Form	Liquid
Appearance	Colorless
Odor	No data available
Odor Threshold	No data available
Boiling point / boiling range	No data available
Melting point / melting range	No data available
Flash point:	No data available
Autoignition Temperature	No data available
Oxidizing properties	No data available
Water solubility	No data available

Section 10: Stability and Reactivity

Reactivity

No additional information available

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Chemical stability

Stable under normal conditions.

Possibility of hazardous reactions

Not established.

Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

Incompatible materials

No additional information available

Hazardous decomposition products

None.

Section 11 - Toxicological Information**Acute Toxicity****Principle Routes of Exposure Potential Health Effects**

Eyes	May cause eye irritation with susceptible persons.
Skin	May cause skin irritation in susceptible persons.
Inhalation	May be harmful by inhalation.
Ingestion	May be harmful if swallowed.
Carcinogenic effects	No indication of human carcinogenicity.
Mutagenic effects	No indications of human germ cell mutagenicity exist.
Reproductive toxicity	No indications of human reproductive toxicity exist.
Sensitization	In case of skin contact: not sensitising After inhalation: not sensitising

Section 12 - Ecological Information

Ecotoxicity No data available.

Mobility No data available.

Biodegradation No data available.

Bioaccumulation Partition coefficient: n-octanol/water: no data available

No Ecological information is available.

Section 13 - Disposal Considerations

Product waste: Dispose according to local legislation. Consult the appropriate local waste disposal expert about waste disposal.

Packaging waste: Dispose according to local legislation. Handle contaminated packages in the same way as the substance itself.

Section 14 - Transport Information

Proper Shipping Name No dangerous good in sense of these transport regulations

Hazard Class None

Subsidiary class None

Packing group None

UN-No None

Section 15 - Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture

US Regulations:

This product meets the following SARA 311/312 hazard categories: none.

This product contains the following SARA 302 Extremely Hazardous Substances: none.

This product contains the following SARA 313 Toxic Chemicals: none.

This product contains the following CERCLA Hazardous Substances: none.

The components of this product are listed on TSCA.

EU Regulations:

This product does not meet the classification and labeling criteria under 1999/45/EC as a dangerous preparation.

The components of this product are listed on the European Inventory of Existing Chemical Substances (EINECS) or meet the polymer exemption.

Canadian Regulations:

This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and it contains the information required by the CPR.

This product meets WHMIS classification D2B.

Components of this product are listed on the DSL.

Section 16 - Other Information

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