

Safety Data Sheet

Section 1: Identification

Product identifier

Product Name: Transfer Buffer Powder

Product Code: M00139

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 Chemtrec 1-800-424-9300 (USA/Canada), +1-703-527-3887 (Intl)

Manufacturer: 1-877-436-7274

Section 2: Hazards identification

According to OSHA 29 CFR 1910.1200 HCS

Emergency Overview: Aqueous solution. 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

Chemical Name

CAS-No

EINECS-No

Weight %

860 Centennial Ave., Piscataway, NJ 08854, USA

Tris	77-86-1	201-064-4	42.5
Bicine	150-25-4	17123-43-2	57.5

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

Section 4: First-Aid Measures

Inhalation	May cause irritation to the respiratory tract. This material may cause injury or illness if inhaled.
Skin	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	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.
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.

Section 5: Fire-Fighting Measures

Extinguishing Media: SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

Special Exposure Hazards : Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.

Special Protective Equipment: Be sure to use an approved/certified respirator or equivalent.

Section 6 - Accidental Release Measures

Personal Precautions	Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.
Emergency Procedures	Absorb with an inert material and put the spilled material in an waste disposal.
Environmental precautions	Absorb with an inert material and put the spilled material in an waste disposal.

Section 7 - Handling and Storage

Handling: Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not breathe gas/fumes/vapor/spray.

Storage: Keep in a dry, cool and well-ventilated place.

Specific Uses: For R&D/experimental use only; Electrophoresis precast gels.

Section 8 - Exposure Controls/Personal Protection

Exposure Controls: Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure.

Respiratory Protection: Respiratory protection not required in normal conditions.

Eye/Face Protection: Chemical goggles or safety glasses.

Skin/Hand Protection: Wear protective gloves.

Section 9 - Physical and Chemical Properties

Appearance: Powder

Odor: White

Flash point: Not available

Viscosity: Not available

Solubility: Not available

Density (water = 1): .. Not available

Partition coefficient: . Not available

Boiling point: Not available

Melting point: Not available

pH: Not available

Other: Not available

Section 10: Stability and Reactivity

Stability: The product is stable.

Conditions To Avoid: Not available

Materials To Avoid: No dangerous reaction known under conditions of normal use.

Hazardous Decomposition Products: These products are nitrogen oxides (NO, NO₂...).

Section 11 - Toxicological Information

No toxicology information is available.

Section 12 - Ecological Information

Ecotoxicity	Not available
Mobility	No information available.
Biodegradation	The product itself and its products of degradation are not toxic.
Bioaccumulation	Material does not bioaccumulate.

Section 13 - Disposal Considerations

Methods of disposal; Waste of residues; Contaminated Packaging	Waste must be disposed of in accordance with federal, state and local environmental control regulations.
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Section 14 - Transport Information

Product Name: Transfer Buffer Powder
Not known to be hazardous for transport.

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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