

# Safety Data Sheet

## Section 1: Identification

### Product identifier

**Product Name:** ExpressPlus PAGE Gel

**Product Code:** M42010C/ M42012C/ M42015C/ M41210C/ M41212C/ M41215C/ M81610C/ M81612C/ M81615C/  
M00810C/ M00812C/ M00815C/ M01010C/ M01012C/ M01115C/ M01210C/ M01212C/ M01215C  
M42010LC/ M42012LC/ M42015LC/ M41210LC/ M41212LC/ M41215LC/ M01010LC/ M01012LC/  
M01115LC/ M01210LC/ M01212LC/M01215LC

### 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](http://www.genscript.com)

[product@genscript.com](mailto: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:** 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:** May cause skin irritation in susceptible persons.

**Eyes:** May cause eye irritation with susceptible persons.

**Ingestion:** May be harmful if swallowed.

## Section 3 - Composition/Information on Ingredients

**Chronic Effects/Target Organ Effects:** None known.

**Medical Conditions Aggravated By Exposure:** None known.

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**Environmental Effects:** None known.

Components	CAS-No	EINECS-No	Weight %
Bis-Tris	6976-37-0	230-237-7	7.33
Glycerol	56-81-5	200-289-5	6.32
EDTA	6381-92-6	200-449-4	0.03

#### Section 4: First-Aid Measures Description of first aid measures

<b>Inhalation</b>	Follow standard care for a respiratory emergency as necessary. Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.
<b>Skin</b>	Follow standard care for skin contact as needed. Immediately wash thoroughly with soap and water. Remove contaminated clothing and shoes. Get medical attention if symptoms develop. Wash clothing and shoes before reuse, or discard in a manner which limits further exposure.
<b>Eye</b>	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately if irritation persists.
<b>Ingestion</b>	If swallowed, get medical attention immediately. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

#### Section 5: Fire-Fighting Measures Extinguishing media

**Extinguishing Media:** Dry chemical, fire-fighting foam, water spray, or carbon dioxide.

**Special Exposure Hazards:** This product is water-based and is expected to present a negligible fire hazard. However, under fire conditions the residual organic components can burn generating toxic and irritating gases and/or smoke. Evacuate area and fight fire from safe distance.

**Special Protective Equipment:** Wear approved pressure-demand self-contained breathing apparatus and full protective gear.

#### Section 6 - Accidental Release Measures Personal precautions, protective equipment and emergency procedures

<b>Personal Precautions</b>	Prevent skin/eye contact. Use personal protective equipment as needed. Isolate spill area, preventing entry by unauthorized persons.
<b>Emergency Procedures</b>	Minimize entry of material into sewers and drainage systems. Refer to permit discharge limitations if applicable.

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**Environmental precautions** Clean up spills immediately, observing precautions in the material safety data sheet and label.  
Scoop up material using inert absorbent materials if needed and dispose into a chemical waste container. Flush spill area with water

## Section 7 - Handling and Storage Precautions for safe handling

**Handling:** Use with adequate ventilation as desired. Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Follow all MSDS/label precautions. Avoid contact with skin and eyes.

**Storage:** Store refrigerated at 4°C. Do not freeze.

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

## Section 8 - Exposure Controls/Personal Protection

**Exposure Limit Values:** None established

**Exposure Controls:** Use process enclosures, local exhaust ventilation, or other engineering controls as needed.

**Respiratory Protection:** Not expected to be required. However, if used, consult with respirator manufacturer to determine respirator selection, use, and limitations.

**Eye/Face Protection:** Use safety glasses. Where contact with the eyes is likely, use chemical goggles.

**Skin/Hand Protection:** Use chemical gloves as needed. Use of a lab coat or equivalent is recommended to minimize contact with clothing and skin as a good hygiene practice.

## Section 9 - Physical and Chemical Properties

**Appearance:** ..... Clear gel in packaging buffer

**Odor:** ..... Odorless

**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:** Stable.

**Conditions To Avoid:** Contact with strong oxidizing agents.

**Materials To Avoid:** Strong oxidizing agents.

**Hazardous Decomposition Products:** Thermal decomposition (fire conditions) may generate toxic gases, vapors, and fumes such as oxides of carbon and nitrogen.

## Section 11 - Toxicological Information

None available for the product.

## Section 12 - Ecological Information

<b>Ecotoxicity</b>	Not available.
<b>Mobility</b>	Not available.
<b>Biodegradation</b>	Not available.
<b>Bioaccumulation</b>	Not available.

## Section 13 - Disposal Considerations Waste treatment methods

Dispose of unused material and containers in accordance with all federal, state, and local regulation.

## Section 14 - Transport Information

Product Name: ExpressPlus PAGE Gel

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.

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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**

<b>Last Revision Date</b>	03/15/2018
<b>Version</b>	1.2
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**Key to abbreviations:** NDA = No data available