

Safety Data Sheet

Section 1: Identification

Product identifier

Product Name: HRP-Protein L

Product Code: M00098

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:	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 irritation. Symptoms may include redness, rash, and itching.
Eyes:	Can cause eye irritation. Symptoms may include redness, tearing, and pain.
Ingestion:	May cause nausea and discomfort.

Chronic Effects/Target Organ Effects: None known.
Medical Conditions Aggravated By Exposure: None known.
Environmental Effects: None known.

Section 3 - Composition/Information on Ingredients

Components	CAS-No	EINECS-No	Weight %
Thimerosal	54-64-8	200-210-4	0.01%

Section 4: First-Aid Measures

Inhalation: 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.

Skin: 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.

Eye: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately if irritation persists.

Ingestion: 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: 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: Prevent skin/eye contact. Use personal protective equipment as needed. Isolate spill area, preventing entry by unauthorized persons.

Emergency Procedures: Minimize entry of material into sewers and drainage systems. Refer to permit discharge limitations if applicable.

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

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 at -20°C.

Specific Uses: For R&D/experimental use only.

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: Lyophilized powder

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: None.

Materials To Avoid: None.

Hazardous Decomposition Products: None.

Section 11 - Toxicological Information

None available for the product.

Section 12 - Ecological Information

Ecotoxicity: Not available.

Mobility: Not available.

Persistence And Degradability: Not available.

Bioaccumulative Potential: Not available.

Section 13 - Disposal Considerations

Product waste: Dispose of content and/or container in accordance with local, regional, national, and/or international Regulations.

Packaging waste: Dispose of content and/or container in accordance with local, regional, national, and/or international Regulations.

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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