

SAFETY DATA SHEET

Date Created 4/27/2016
Date Updated 5/27/2016
Version 1.1

Section 1-Identification of the substance/mixture and of the company/undertaking

1.1 Identification of the substance or mixture

Product code : L00664
Product name : Protein G Resin FF

1.2 Company/undertaking identification

GenScript Technologies :

1.3 24 hour Emergency Response:

Emergency Phone #: 1-732-885-9188
Telephone : 1-877-436-7274
Fax : 1-732-210-0262
E-mail address : product@genscript.com
Web : <http://www.genscript.com>

1.4 For Research Use Only. Not for use in diagnostic procedures.

Section 2- Hazards identification

2.1 GHS - Classification

Signal Word

None

Health hazards

Not classified

Physical hazards

Not classified

Hazard Statements

Not Applicable

Precautionary Statements

Not Applicable

2.2 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.

2.3 Specific effects

Carcinogenic effects

None.

Mutagenic effects

None.

Reproductive toxicity

None.

Sensitization

none

Target Organ Effects

No known effects under normal use conditions.

2.4 HMIS

Health	2
Flammability	2
Reactivity	0

Section 3- Composition/information on ingredients

Chemical Name	CAS-No	EINECS-No	Weight %
Ethanol	64-17-5	200-578-6	20

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

Section 4- First aid measures**4.1 Skin contact**

In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes.

Call a physician.

4.2 Eye contact

In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

4.3 Ingestion

Not expected to present a significant ingestion hazard under anticipated conditions of normal use. If you feel unwell, seek medical advice.

4.4 Inhalation

Not expected to be an inhalation hazard under anticipated conditions of normal use of this material. Consult a physician if necessary.

4.5 Notes to Physician

Treat symptomatically.

Section 5- Firefighting measures**5.1 Suitable extinguishing media**

Carbon dioxide, dry chemical powder, or appropriate foam. Water spray

5.2 Special protective equipment for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Section 6- Accidental release measures**6.1 Personal precautions**

Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate.

Put on appropriate personal protective equipment.

6.2 Methods for cleaning up

Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

860 Centennial Ave., Piscataway, NJ 08854, USA

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6.3 Environmental precautions

No special environmental precautions required.

See Section 12 for more information.

Section 7- Handling and storage

7.1 Handling

Avoid inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.

7.2 Storage

Store Protein A MagBeads MX in 20% ethanol at 2-8 °C, do not freeze. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Section 8- Exposure controls/personal protection

8.1 Exposure Limits

Chemical Name	OSHA PEL	OSHA PEL (Ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
Ethanol	1000ppm	1000ppm	1000ppm	1000ppm

8.2 Engineering measures

Ensure adequate ventilation, especially in confined areas.

8.3 Personal Protective Equipment

Personal Protective Equipment requirements are dependent on the user institution's risk assessment and are specific

Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment.

Hand protection

Impervious gloves.

Eye protection

Wear safety glasses with side shields (or goggles).

Skin and Body Protection

Lightweight protective clothing.

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice.

8.4 Environmental 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.

Section 9- Physical and chemical properties

9.1 General information

Form	Liquid
Appearance	No data available
Odor	No data available
Odor Threshold	No data available
Boiling point / boiling range	No data available

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Melting point / melting range	No data available
flash point:	Closed cup: 38 to 43°C 100.4 to 109.4°F
Autoignition Temperature	No data available
Oxidizing properties	No data available
Water solubility	No data available

10.1 Stability

Stable under normal conditions.

10.2 Materials to avoid

No dangerous reaction known under conditions of normal use.

10.3 Hazardous decomposition

None under normal use conditions.

10.4 Products polymerization

Hazardous polymerization does not occur.

Section 11-Toxicological information

11.1 Acute Toxicity

No toxicology information is available.

11.2 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	None.
Mutagenic effects	None.
Reproductive toxicity	None.
Sensitization	None.

Section 12- Ecological information

12.1 Ecotoxicity	Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants.
12.2 Mobility	No information available.
12.3 Biodegradation	Inherently biodegradable.
12.4 Bioaccumulation	Material does not bioaccumulate.

No Ecological information is available.

Section 13- Disposal considerations

Dispose of contents/containers in accordance with local regulations.

Section 14- Transport information

14.1 IATA

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

15.1 US Federal Regulations**SARA 313**

This product is not regulated by SARA.

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product does not contains HAPs.

15.2 US State Regulations

No information is available.

California Proposition 65

This product does not contain any Proposition 65 chemicals.

15.3 WHMIS Hazard Class

Non-controlled

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

Section 16- Other information

16.1 Reason for revision

SDS sections updated.

For Research Use Only. Not for use in diagnostic procedures.

"The above information was acquired by diligent search and/or investigation and the recommendations are based on prudent application of professional judgment. The information shall not be taken as being all inclusive and is to be used only as a guide. All materials and mixtures may present unknown hazards and should be used with caution. Since the Company cannot control the actual methods, volumes, or conditions of use, the Company shall not be held liable for any damages or losses resulting from the handling or from contact with the product as described herein. THE INFORMATION IN THIS SDS DOES NOT CONSTITUTE A WARRENTY, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PUPPOSE"