

Material Safety Data Sheet (MSDS)

Revision Number: **1.1** Last updated **10-09-2014**

1) Product and Company Identification

Product Name:	Protein A-biotin conjugate
Manufacturer/Supplier:	AnaSpec, Inc. www.anaspec.com 34801 Campus Drive Fremont, CA 94555 Tel: 510-791-9560 Fax: 510-791-9572 Email: service@anaspec.com
Catalog Number	AS-72234
Unit Size	1mg

2) Hazards Identification

Emergency Overview:

GHS Hazard Classification: None
 GHS Physical Hazards: H320 Causes Mild Eye Irritation
 GHS Health and Environmental Hazards: None
 GHS Signal Words: None
 GHS Hazard Statements: None
 GHS Precautionary Statements: P280 Wear Protective Eyewear

HMIS Classification

Health hazard: 0
 Chronic Health Hazard: 0
 Flammability: 0
 Physical hazards: 0

NFPA Rating

Health hazard: 0
 Fire: 0
 Reactivity Hazard: 0

3) Composition / Information on Ingredients

Ingredients/Components:

Chemical Name:	CAS Number:
Recombinant Protein A from <i>Staphylococcus aureus</i>	N/A
1x PBS (pH 7.2) and 0.1% sodium azide	N/A

4) First Aid Measures	
<i>Inhalation:</i>	Move subject to fresh air. If breathing is difficult, give oxygen. Give artificial respiration if breathing has stopped. Get prompt medical attention.
<i>Ingestion:</i>	If swallowed, wash out mouth with water if subject is consciousness. Immediately consult a physician. Never give anything by mouth to an unconscious person.
<i>Skin:</i>	Wash skin thoroughly with soap and water. Consult a physician.
<i>Eyes:</i>	Immediately flush eyes with large amount of water for at least 15 minutes. Consult a physician.
5) Fire Fighting Measures	
<i>Extinguishing media:</i>	None
<i>Special firefighting procedures:</i>	None
<i>Unusual fire and explosions hazards:</i>	None
6) Accidental Release Measures	
<i>Spill response</i>	Absorb with paper towel and dispose into biohazard waste
<i>Containment</i>	None
<i>PPE</i>	Gloves, protective goggles
7) Handling and Storage	
Store at -20 °C	
8) Exposure Controls / Personal Protection	
<i>Engineering controls</i>	None
<i>PPE</i>	Wear goggles and gloves when handling the product
9) Physical and Chemical Properties	
<i>Physical State</i>	Liquid
<i>Odor</i>	None
<i>Solubility in Water</i>	Good
<i>Specific Gravity</i>	No data available
<i>pH</i>	7.2
<i>Boiling Point</i>	No data available
<i>Melting Point</i>	No data available
<i>Flash Point</i>	No data available
<i>Vapor Pressure:</i>	No data available
<i>Vapor Density:</i>	No data available
10) Stability and Reactivity	
<i>Thermal Decomposition</i>	Stable under recommended storage conditions
<i>Dangerous Products of Decomposition</i>	No data available
<i>Dangerous Reactions</i>	No data available
11) Toxicological Information	
<i>RTECS Number</i>	Not listed
<i>Toxicity</i>	No data available

AnaSpec Inc.

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<i>Potential Health Effects</i>	May cause skin irritation. May cause eye irritation. May be harmful if swallowed. May be harmful if absorbed through skin.
<i>Potential Hazards</i>	No data available
<i>Carcinogenicity:</i>	Not listed by NTP, IARC, or OSHA
<i>OSHA Permissible Exposure Limit (PEL) Data</i>	No data available
<i>ACGIH Threshold Limit Values (TLV)</i>	No data available

12) Ecological Information

Do not allow product to reach ground water, watercourse, or sewage system.

13) Disposal Considerations

Consult local, state, or national regulations for proper disposal.

14) Transport Information

<i>Hazard Class</i>	This substance is considered to be non-hazardous for transport
<i>DOT (US)</i>	No dangerous goods
<i>IMDG</i>	No dangerous goods
<i>IATA</i>	No dangerous goods

15) Regulatory Information

OSHA Hazards: No known OSHA hazards

California Proposition 65: This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313

SARA 311/312: No SARA Hazards

Massachusetts Right to Know Components

No components are subject to the Massachusetts Right to Know Act

Pennsylvania Right to Know Components

Recombinant Protein A, biotin labeled	Cas-No.	Revision Date
	-	N/A

New Jersey Right to Know Components

Recombinant Protein A, biotin labeled	Cas-No.	Revision Date
	-	N/A

US TSCA (Toxic Substance Control Act): Not Listed

US CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act): Not Listed

EC EINICS (European Inventory of Existing Commercial Chemical Substances) Number: Not Listed

EC Risk Statements: Not listed

Other Country Regulations: Not listed

16) Other Information

It is not intended for food, drug, household, agricultural or cosmetic use. A technically qualified individual experienced in handling potentially hazardous chemicals must supervise its use. The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. Users should make independent decisions regarding completeness of the information based on all sources available. AnaSpec shall not be held liable for any damage resulting from handling or from contact with the above product.

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