Material Safety Data Sheet

Revision date: October 9, 2026

1. Product And Company Identification

Product Name	TLR12 Antibody BIOTIN
Product Catalog	TLR12-BIOTIN
Recommended Use	For research use only
Supplier Address	FabGennix International, Inc. 9191 Kyser Way Bldg. 4 Suite 400 Frisco, TX 75033 Tel: 214-387-8105 or 1-800-786-1236 (Toll Free) Fax: 214-387-0870
E-mail address	info@fabgennix.com
Emergency telephone	In case of a serious emergency please call your local emergency services. For non-threatening emergencies please contact 214-387-8105 or 1-800-786-1236 (Toll Free) Monday-Friday 8 AM-5 PM CST

2. Hazards Identification

Ozone	Not applicable
GHS Label elements, including precautionary statements	Not dangerous

3. Composition / Information on Ingredients

Chemical Name	CAS-No	Weight %
Tris	77-86-1	<0.1%
HCL/Glycine Buffer	6000-43-7	<0.1%
Glycerol	56-81-5	<0.1%
BSA	9048-46-8	<0.1%
Sodium Azide	26628-22-8	<0.05%

4. First Aid Measures

Eye contact	Flush immediately with water. After initial flushing remove any contact lenses and continue flushing with water for at least 15 minutes.
Skin contact	Immediately wash off with soap and water. Remove all contaminated clothes and shoes.
Inhalation	Move to an area with fresh air.
Ingestion	Rinse and clean your mouth with water. Drink water.
Notes to physician	Treat any issues symptomatically.

5. Fire-Fighting Measures

Flammable properties	Not flammable
Flash point	Not determined
Suitable extinguishing media	Use appropriate extinguishing measures for the circumstances and environment.
Sensitivity to mechanical impact / static discharge	None
Protective equipment for firefighters	Wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH approved or equivalent full protective gear to prevent contact.

6. Accidental Release Measures

Personal precautions	Ensure adequate ventilation

Environmental precautions	Try to prevent the material from entering drains or water sources.
Methods for containment	If safe, prevent further leakage or spillage
Methods for cleaning up	Pick up and transfer to properly labeled containers

7. Handling and Storage

Storage conditions	Product is stable for 1 year at -20°C or below.
Duration of stability	Product is stable for 1 year at -20°C or below
Advice on safe handling	Keep containers tightly closed.

8. Exposure Controls / Personal Protection

Exposure guidelines	This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies
Engineering measures	Showers, eyewash stations, ventilation systems
Hygiene measures	Handle in accordance with good industrial hygiene and safety practices. Wear gloves.

9. Personal Protective Equipment

Eye/face protection	No special protective equipment required.
Skin and body protection	No special protective equipment required. Gloves suggested.
Respiratory protection	If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.

10. Physical and Chemical Properties

Appearance	Colorless
Odor	Odorless
Physical state at 20°C	Liquid
pH	7.4-7.8

11. Stability and Reactivity

Stability	Stable under recommended storage conditions
Hazardous polymerization	Hazardous polymerization does not occur
Conditions to avoid	Avoid repeated freeze/thaw cycles. Avoid strong reducing/oxidizing agents

12. Toxicological Information

Acute toxicity	Product does not present an acute toxicity hazard based on known or supplied information
Target organ effects	None known

13. Ecological Information

Ecotoxicity	The environmental impact of this product has not been fully investigated.

14. Disposal Considerations

Waste disposal methods	This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). Consult the appropriate state, regional, or local regulations for additional requirements.
Contaminated packaging	Do not re-use empty containers.

15. Transport Information

DOT	Not dangerous goods
IATA	Not dangerous goods
ADR	Not dangerous goods

16. Regulatory Information

SARA 313	This product does not contain any chemicals which are subject to the reporting requirements of Section 313 of Title III of SARA and Title 40 CFR Part 372.
SARA 311/312	No acute, chronic, fire, sudden release of pressure, or reactive hazard.
Clean Water Act	This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).
CERCLA	This material, as supplied, does not contain any substances regulated as hazardous substances under CERCLA (40 CFR 302) or SARA (40 CFR 355).
California Proposition 65	This product does not contain any Proposition 65 chemicals.
U.S. State Right-to-know	Sodium Azide: Massachusetts, New Jersey, Pennsylvania, Rhode Island
WHMIS	This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and this document contains all information required by the CPR.

Disclaimer: The information provided in this Safety Data Sheet is correct to the best of our knowledge, information
publication. The information given is designed only as guidance for safe handling, use, processing, storage, transp
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such material used in combination with any other materials or in any process, unless specified in the text.