

Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH), Annex II

Trade Name: Monoclonal Antibody to *Borrelia burgdorferi*

Material Number	C65551M	Version	001	Revision	000
Specification Number	C65551M	Page 1 of 6		Revision Date	

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY UNDERTAKING

Identification of the Substance or Preparation: Monoclonal Antibody to *Borrelia burgdorferi*

REACH Registration No: Not Applicable

Use of the Substance / Preparation:

For research use only

Identified Use(s): For research use. For professional use only.

Company Undertaking Identification:

Meridian Life Science,
Inc. 5171 Wilfong Road
Memphis, TN 38134
U.S.A. 901-382-8716

E-Mail: info@meridianlifescience.com

EMERGENCY TELEPHONE: US-1-800-424-9300

International -1-703527-3887

2. HAZARDS CLASSIFICATION

Sodium azide may react with lead and copper plumbing to form highly explosive metal azides.

HMIS Rating

Health: 0

Flammability: 0

Reactivity: 0

NFPA Rating

Health: 0

Flammability: 0

Reactivity: 0

For additional information on toxicity, please refer to Section 7.

Observe normal laboratory precautions.

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3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Characterization:

Ingredient Name

Phosphate Buffered Saline (PBS) Solution, pH 7.2
Sodium Azide (NaN₃)

CAS Number

None
26628-22-8

4. FIRST AID MEASURES

In Case of Inhalation: Remove from source of exposure. Seek medical attention if breathing becomes difficult or if cough or other symptoms develop.

In Case of Skin Contact: Remove clothing that product has touched. Rinse skin with copious amounts of water for 15 minutes. Seek medical attention if a rash develops. Wash contaminated clothing before re-using.

In Case of Eye Contact: Do not rub your eyes. Immediately flush with water for a minimum of 15 minutes. Remove contact lenses if worn. Call a physician.

In Case of Ingestion: Rinse mouth with water, but only if conscious. Call physician immediately.

Self-Protection of the First Aider: Follow company specific safety procedures.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Specific hazards arising from the substance or mixture: No information available

Special protective equipment and precautions for firefighters: Wear self-contained breathing apparatus for firefighting.

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6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures: Ensure adequate ventilation.

Avoid contact with skin, eyes and clothing. For personal protection refer to section 8.

Environmental Precautions: Try to prevent the material from entering drains.

Methods for Containment and Cleaning Up: Prevent further leakage or spillage if safe to do so. Pick up and transfer to properly labeled containers. Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Precautions for Safe Handling: Avoid inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.

Conditions for Safe Storage, Including any Incompatibilities: Keep container tightly closed. Store at -20°C. Avoid multiple freeze/thaw cycles.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters: Does not contain substances with occupational exposure limit values.

Appropriate Engineering Controls: General hygienic and precautionary measures for handling laboratory reagents should be followed.

Personal Protective Equipment: Wear chemical safety goggles, chemical-resistant gloves, and impervious clothing. Avoid inhalation and contact with the eyes, skin, or clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Transparent liquid
Odor: No information available
Odor Threshold: No information available
pH: 7.2
Melting Point/Range: No information available

Freezing Point: No information available
Boiling Point/Range: No information available

Flammability: No information available
Flammability Limits: No information available
Vapor Pressure: No information available
Vapor Density: No information available
Decomposition Temp.: No information available
Relative Density: No information available
Auto-ignition Temp: No information available

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Flash Point: No information available
Evaporation Rate: No information available

Solubility: No information available
Partition Coefficient: No information available

10. STABILITY AND REACTIVITY

Stability: Stable under recommended storage conditions.

Possibility of Hazardous Reactions: No information available.

Conditions to Avoid: Direct sunlight and extremes of temperature.

Incompatible Materials: Avoid contact with metals. Avoid contact with acid and strong oxidizing agents. Sodium azide may react with lead and copper plumbing to form highly explosive metal azides. Dimethyl sulfate is incompatible with sodium azide, acid chlorides, halogenated solvents.

Hazardous Decomposition Products: No information available.

11. TOXICOLOGICAL INFORMATION

May be harmful if inhaled, ingested, or absorbed into the skin. The toxicological properties of this product have not been investigated thoroughly.

Ingestion: May be harmful if swallowed.

Inhalation: May be harmful if inhaled. May be irritating to mucous membranes and upper respiratory tract.

Skin contact: May cause skin irritation. May be harmful if absorbed through the skin.

Eye contact: May cause eye irritation.

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Laboratory experiments in animals have shown sodium azide to produce a profound hypotensive effect, demyelination of myelinated nerve fibers in the central nervous system, testicular damage, blindness, attacks of rigidity, and hepatic and cerebral effects. Many azides cause a fall in blood pressure and some inhibit enzyme action.

12. ECOLOGICAL INFORMATION

Ecotoxicity: No information available.

Persistence and degradability: No information available.

Bioaccumulative potential: No information available.

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Mobility in soil: No information available.

Other Adverse Effects: No information available.

13. DISPOSABLE CONSIDERATIONS

Waste Disposal Methods: Dispose of in accordance with all applicable national environmental laws and regulations. This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste. If chemical additions are made to this material, or if the material is processed or otherwise altered, consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

Contaminated Packaging: Dispose of as unused product.

- US EPA Waste Number: P105

14. TRANSPORT INFORMATION

This substance is considered to be non-hazardous for transport.

15. REGULATORY INFORMATION

SARA 313: This material does not contain any chemical components with known CAS numbers that are subject to the reporting requirements established by SARA Title III, Section 313.

SARA 311/312: No SARA hazards.

Right to Know Components:

Massachusetts: Sodium Azide (26628-22-8)

Pennsylvania: Water (7732-18-5), Sodium Chloride (7647-14-5), Sodium Azide (26628-22-8)

New Jersey: Water (7732-18-5), Sodium Chloride (7647-14-5)

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

16. OTHER INFORMATION

This product is for research use only. This product is not intended for household, drug, therapeutic or other uses.

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This Safety Data Sheet (SDS) was prepared in accordance with the hazard criteria and content requirements of the EU Dangerous Substances Directive (67/548/EEC), Dangerous Preparations Directive (1999/45/EC), the Regulation on Registration, Evaluation, Authorization and Restriction of Chemicals (REACH) ((EC) No 1907/2006) and EC 1272/2008 Classification, Labeling, Packaging (CLP). These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. The information contained in this SDS is believed to be accurate but does not purport to be all inclusive and should be used only as a guide for experienced personnel. It is the responsibility of the user or supplier to determine the applicability of the data to the formulation of necessary safety precautions. Meridian Life Science, Inc. shall not be held liable for any damage resulting from the use of the above product or the information contained in this SDS.