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Material Safety Data Sheet

Effective Date: 24, February, 2023

MSDS #: YS-80220-E

1. Identification of the Substance/Company

Product Name: Monoclonal antibody to Human IgG

Code #80220

Contact Manufacturer

Yamasa Corporation

Diagnostics Division

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Section 2: Composition/Information on Ingredients

Hazardous/Non-Hazardous Component

Component	CAS No	Content	Hazards
Antibody	—	—	No
Sodium Azide	26628-22-8	0.1%	Toxic

Section 3: Hazards Identification

Emergency Overview: Sodium azide may react with lead and copper plumbing to form highly explosive metal azide.

Inhalation: May cause irritation of respiratory tract.

Ingestion: May be harmful if swallowed.

Skin contact: May cause allergic skin reaction.

Eye contact: Avoid contact with eye.

Section 4: First Aid Measures

General Advice: In the case of accident or if you feel unwell, seek medical advice immediately.

Inhalation: Remove to fresh air. If individual is not breathing, being artificial respiration immediately and obtain medical attention.

Ingestion: Contact poison control center or physician immediately for potential sodium azide poisoning.

Skin contact: Wash affected areas with water or soap and water. If pain or irritation occur, obtain medical attention.

Eye contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Contact physician immediately.

Section 5: Fire Fighting Measures

Flash point: No data available.

Suitable extinguishing material: water spray, carbon dioxide, or fire retardant foams and powders.

Fire fighting procedure: Fire fighters should wear protective clothing and self-contained breathing apparatus.



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Section 6: Accidental Release Measures

Personal precautions: Wear protective equipment.

Environmental precaution: Prevent product from entering drains.

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

Section 7: Handling and Storage

Storage precaution: Store at -20 °C or lower temperatures.

Handling: Use only in area provided with appropriate exhaust ventilation. Wash hands thoroughly after handling this material.

Section 8: Exposure Controls/Personal Protection

Respirator: Dust Respirator

Ventilation: Extraction hood

Gloves: Rubber or plastic surgical grade

Eye Protection: Goggles or face shield

Other precautions: Plastic apron, boots if handling large quantities

Section 9: Physical and Chemical Properties

Appearance: Clear liquid

Melting point: No data available.

Boiling point: No data available.

Density: No data available.

Vapor pressure: No data available.

Solubility in water: No data available.

Flash point: No data available.

Explosion limits: No data available.

Ignition Temperature: No data available.

Section 10: Stability and Reactivity

Stability: Stable under recommended storage conditions.

Polymerization: None under normal processing.

Hazardous decomposition products: No data available.

Materials to avoid: No data available.

Condition to avoid: Exposure to air or moisture over prolonged period.

Section 11: Toxicological Information

Sodium azide

Toxicity data: LD₅₀ in rats = 27mg/kg oral.

Carcinogenicity: No known evidence.

Systemic effect: cardiovascular disorders, nervous system disorders, diarrhea, tiredness, kidney toxicity.

Section 12: Ecological Information

No data available.



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Section 13: Disposal Considerations

Comply with all federal, state and local regulations.

Do not dump this product into sewers, on the ground or into any body of water.

Section 14: Transportation Information

Sodium azide

DOT: Not regulated.

Section 15: Regulatory Information

Sodium azide

Inventory-United States TSCA: Listed.

Section 16: Other Information

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