



Safety Data Sheet

Issue Date: 23-Feb-2022

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Version 1

1. IDENTIFICATION

Product identifier

Product Name Monoclonal or polyclonal antibodies proteins including lyophilized without sodium azide

Recommended use of the chemical and restrictions on use

Recommended Use Monoclonal or polyclonal antibody, single antibody labeled with fluorochrome or cocktail of fluorescently labeled antibodies and proteins (including lyophilized) without sodium azide as a preservative.

Details of the supplier of the safety data sheet

Supplier Address

Sysmex America, Inc.
577 Aptakistic Rd
Lincolnshire, IL 60069 USA

Company Phone Number 224-543-9500

Emergency telephone number

Emergency Telephone ChemTel Inc. 800-255-3924 (North America)
1-813-248-0585 (International)

2. HAZARDS IDENTIFICATION

Physical state Liquid

Odor No odor

Classification

This chemical does not meet the hazardous criteria set forth by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200). However, this Safety Data Sheet (SDS) contains valuable information critical to the safe handling and proper use of this product. This SDS should be retained and available for employees and other users of this product.

3. COMPOSITION/INFORMATION ON INGREDIENTS

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

4. FIRST AID MEASURES

Description of first aid measures

Eye Contact Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

Skin Contact Wash off immediately with plenty of water for at least 15 minutes.

Inhalation Remove to fresh air.

Ingestion Clean mouth with water and drink afterwards plenty of water.

Most important symptoms and effects, both acute and delayed

Symptoms	None known.
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Indication of any immediate medical attention and special treatment needed

Notes to Physician	Treat symptomatically.
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5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Alcohol resistant foam. Carbon dioxide (CO₂). Powder. Water spray (fog). Water mist.

Unsuitable Extinguishing Media Water jet.

Specific Hazards Arising from the Chemical

Harmful gases/smoke (carbon dioxide, aldehydes, carbon black, other decomposition products) can be produced during thermal decomposition at high temperatures or with insufficient combustion.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions	Use personal protective equipment as required.
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Environmental precautions

Environmental precautions	See Section 12 for additional Ecological Information.
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Methods and material for containment and cleaning up

Methods for Containment	Prevent further leakage or spillage if safe to do so.
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Methods for Clean-Up	Spilled product should be covered with suitable (non-flammable) absorbing material (sand, diatomaceous earth, earth and other suitable absorption materials); to be contained in well closed containers and removed as per Section 13. Collected material should be disposed of in accordance with locally valid regulations. Upon an escape of large quantities of the product, inform the Fire Department and the Environmental Department of the Municipal Authority with extended scope of competencies. After removal of the product, wash the contaminated site with plenty of water or another suitable cleaning material. Do not use solvents.
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7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling	Handle in accordance with good industrial hygiene and safety practice.
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Conditions for safe storage, including any incompatibilities

Storage Conditions	Store in tightly closed containers in cold, dry and well ventilated areas designated for this purpose. Do not expose to sunlight.
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Incompatible Materials	Protect against strong acids, bases and oxidizing agents. Thereby a dangerous exothermic reaction will be prevented.
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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies

Appropriate engineering controls

Engineering Controls

Follow usual measures for health protection at work and especially for good ventilation. This can be achieved only by local suction or efficient general ventilation. If exposure limits cannot be observed in this mode, suitable protection of airways must be used. Do not eat, drink and smoke during work. Wash your hands thoroughly with water and soap after work and before breaks for a meal and rest.

Individual protection measures, such as personal protective equipment

Eye/Face Protection

Protective goggles or face shield (based on the nature of the work performed).

Skin and Body Protection

Hand protection: Protective gloves resistant against the product. Observe recommendations of the particular manufacturer of the gloves in the choice of their appropriate thickness, material and permeability. Use barrier creams for skin protection, they should however not be applied once exposure has occurred. Observe other recommendations of the manufacturer. Other protection: Protective antistatic clothing made of natural fibers (cotton) or synthetic fibers resistant against elevated temperatures. Contaminated skin should be washed thoroughly.

Respiratory Protection

Mask with a filter against organic vapors or a self-contained breathing apparatus as appropriate if exposure limit values of toxic substances are exceeded or in a poorly ventilated environment.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

<p>Physical state</p> <p>Appearance</p> <p>Color</p>	<p>Liquid</p> <p>Not determined</p> <p>Not determined</p>	<p>Odor</p> <p>Odor Threshold</p>	<p>No odor</p> <p>Not determined</p>
<p><u>Property</u></p> <p>pH</p> <p>Melting point / freezing point</p> <p>Boiling point / boiling range</p> <p>Flash point</p> <p>Evaporation Rate</p> <p>Flammability (Solid, Gas)</p> <p>Flammability Limit in Air</p> <p style="padding-left: 20px;">Upper flammability or explosive limits</p> <p style="padding-left: 20px;">Lower flammability or explosive limits</p> <p>Vapor Pressure</p> <p>Vapor Density</p> <p>Relative Density</p> <p>Water Solubility</p> <p>Solubility in other solvents</p> <p>Partition Coefficient</p>	<p><u>Values</u></p> <p>Not determined</p> <p>Not determined</p> <p>100 °C / 212 °F</p> <p>Not determined</p> <p>Not determined</p> <p>Liquid-Not applicable</p> <p>Not determined</p> <p>Not determined</p> <p>Not determined</p> <p>Not determined</p> <p>Indefinitely soluble</p> <p>Not determined</p> <p>Not determined</p>	<p><u>Remarks • Method</u></p>	

Autoignition temperature	Not determined	
Decomposition temperature	Not determined	
<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
Kinematic viscosity	Not determined	
Dynamic Viscosity	Not determined	
Explosive Properties	Not determined	
Oxidizing Properties	Not determined	

10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions.

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

None under normal processing.

Conditions to Avoid

The product is stable and no degradation occurs under normal use. Protect against flames, sparks, overheating and against frost.

Incompatible materials

Protect against strong acids, bases and oxidizing agents. Thereby a dangerous exothermic reaction will be prevented.

Hazardous decomposition products

Not developed under normal uses. Dangerous products are formed at high temperature and in fire, such as carbon monoxide and carbon dioxide, heavy smoke and nitrogen oxides.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Eye Contact Avoid contact with eyes.

Skin Contact Avoid contact with skin.

Inhalation Do not inhale.

Ingestion Do not ingest.

Component Information

Not available

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Please see section 4 of this SDS for symptoms.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Carcinogenicity Based on the information provided, this product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

Numerical measures of toxicity

Not determined.

12. ECOLOGICAL INFORMATION

Ecotoxicity

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Component Information

Not available

Persistence/Degradability

Not determined.

Bioaccumulation

There is no data for this product.

Mobility

Not determined

Other Adverse Effects

Not determined

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal of Wastes

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging

Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. TRANSPORT INFORMATION

Note

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

DOT

Not regulated

IATA

Not regulated

IMDG

Not regulated

15. REGULATORY INFORMATION

International Inventories

All ingredients are listed or exempt from listing on Chemical Substance Inventory

US Federal Regulations

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

CWA (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)

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

This product does not contain any substances regulated under applicable state right-to-know regulations

16. OTHER INFORMATION

<u>NFPA</u>	Health Hazards Not determined	Flammability Not determined	Instability Not determined	Special Hazards Not determined
<u>HMIS</u>	Health Hazards Not determined	Flammability Not determined	Physical hazards Not determined	Personal Protection Not determined

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Revision Note: New format

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet