Material Safety Data Sheet (MSDS)

Section 1- Identification

Supplier:	Caprico Biotechnologies Inc.
Street Address:	3025 Breckinridge Blvd., Suite 100, Duluth, GA 30096
Phone:	+1 678-691-2143
Website:	www.capricobio.com
Emergency Telephone Number with hours of Operation:	+1 678-691-2143 (M-F 9:00AM-5:30 PM EST)
Product:	Monoclonal and polyclonal antibodies, recombinant proteins
Recommended Use:	Research use only (RUO)
Product Details:	Purified monoclonal and polyclonal antibodies of mouse, hamster, goat, donkey or rabbit origin.
Protein conjugates to the following molecules:	Fluorescein isothiocyanate (FITC); Phycoerythrin (PE) and its tandem dyes PE-Cyanine, PE-CF, and PE-iFluor; Allophycocyanin (APC) and its tandem dyes APC-Cyanine and APC-iFluor; Peridinin Chlorophyll Protein Complex (PerCP) and its tandem dye PerCP-Cyanine; Biotin; iFluor; mFluor; Alkaline phosphatase (AP), Horseradish peroxidase (HRP),etc.

Section 2 - Hazards Identification

2.1 Hazard Classification: Not classified

2.2 GHS Label elements, including precautionary statements:

Pictogram: None

Signal Word: None

Hazard Statement: None

Precautionary Statement: None

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Section 3-Composition/Information on Ingredients

This product is a mixture that has no ingredients which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Caution: This product contains sodium azide which may react with lead and copper to form highly explosive metal azide when its amount builds up. This product also contains Bovine Serum Albumin (BSA) which is non-toxic and non-antigenic.

Component	CAS	EINECS	EU Index	Concentration
Sodium Azide	26628-22-8	247-852-1	011-004-00-7	0.09%
BSA	9048-46-8	232-936-2	N/A	0.1% – 0.2%

Section 4 –First Aid Measures

General information: Symptoms of poisoning may occur after several hours after the ingestion, therefore consider provide medical observation/ and or treatment for at least 48 hours after the accident.

After inhalation: Move to fresh air. If breathing is difficult/has stopped, give artificial respiration using respiratory protection support unit. Do not use mouth-to-mouth resuscitation. Seek medical attention without delay.

After skin contact: Immediately remove contaminated clothes, and wash with soap and copious amounts of water for at least 15 minutes. Seek immediate medical attention if needed.

After eye contact: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the eye lids to ensure thorough rinsing. Seek medical attention if required.

After swallowing: Wash mouth with plenty of water as needed if person is conscious. DO NOT induce vomiting. Drink copious amounts of water, milk, or milk magnesia if conscious. Seek immediate medical attention if condition does not improve.

Contact Symptoms: Contact may cause skin and eye irritation.

Section 5 – Fire Fighting Measures

5.1 Suitable extinguishing agents: CO_2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

5.2 Special hazards caused by the material, its products of combustion or resulting gases: During heating or in case of fire, poisonous gases may be produced. Maintain appropriate distance from the site of incidence and also wear protective devices as needed.

5.3 Special protective equipment and precautions for fire fighters: Wear protective clothing and self-contained breathing apparatus.

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Hazardous combustion materials: No data available.

Section 6- Accidental Release Measures

6.1 Personal precautions, protective equipment, and emergency procedures: Not required

6.2 Environment precautions: Prevent entry into waterways, drains, soil, and sewers. Use suitable absorbent material

6.3 Measures for cleaning/collecting: Absorb with liquid binding material (sand, diatomite, acidbinders, universal binders). Do not allow entry to any water system.

6.4 Additional information: See Section 7 for information on safe handling.

Section 7- Handling and Storage

Handle product in accordance with good industrial hygiene and practice. Store product in accordance with the product label and its respective TDS.

Section 8- Exposure Controls/Personal Protection

Skin protection: Gloves and laboratory garments strongly recommended.

Eye and face protection: Face shield or safety goggles recommended.

Respiratory protection: Handle in well-ventilated area.

Section 9- Physical and Chemical Properties

Phase at RT (~23°C): Liquid.

Color: Colorless for all unconjugated and biotin conjugated products; faint green color for FITC, iFluor and mFluor conjugated products; faint red/pink for PE conjugated products and its tandem dyes; faint brown for PerCP and its tandem dyes; faint blue for APC conjugated products and its tandem dyes.

Odor: Little to no noticeable odor

Section 10- Stability and Reactivity

Stable under recommended handling and storage conditions until the date of expiration. Do not use after expiration date.

Section 11- Toxicological Information

Product does not cause any acute toxicity hazard to the best of our knowledge or supplied information.

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Section 12- Ecological Information

Sodium azide is known to be toxic to fish and wildlife and should be disposed of in such a manner as to not have exposure to lakes, streams, ponds or public water systems.

Section 13- Disposal Considerations

Sodium azide is considered a hazardous waste and should be disposed of in accordance with local waste disposal guidelines or through a chemical treatment facility.

Section 14- Transport Information

Transport product in accordance with recommended storage conditions.

DOT: Not dangerous.

IATA: Not dangerous.

Section 15- Regulatory Information

This product is intended for research and in vitro use only. Not for diagnostic or therapeutic use.
The information in this safety datasheet is believed to provide sufficient information to aid in the safe handling of all these products and their relevant variations.

Section 16- Other Information

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All information in this document is correct to the best of our knowledge. Please handle these products accordingly as recommended. This safety datasheet may undergo revisions at any point in time upon the discovery of any insufficient, incorrect or outdated information.

Disclaimer:
Caprico Biotechnologies, Inc is not responsible for any damage of any kind resulting from the contact with this product. It is the responsibility of the end-user to perform the research work with Caprico products by strictly following the suggested guidelines mentioned in this MSDS.

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