



Material Safety Data Sheet for Proteins and Antibodies

Version 2.11

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IDENTIFICATION

This Material Safety Data Sheet covers all products manufactured by XpressBio in the following configurations:

- Purified recombinant proteins (PEDF-005, PEDF-050, PEDF-500, PEDF-1000, PEDF-4000, INT832, INT832, INT833)
- Purified polyclonal antibodies of rabbit or goat origin, and such antibodies conjugated to biotin or horseradish peroxidase (AB-PEDF1, AB-PEDF2, AB-PEDF4, AB-PEDF5, AB-PEDF6, AB-PEDF7, HIV-P24, AB-INT100, CDA-322, CDA-791)

NOTE: Aqueous buffered solutions containing purified proteins or enzyme-conjugated antibodies do not contain the preservative sodium azide.

HAZARDOUS COMPONENTS

The recombinant proteins and antibodies manufactured by XpressBio contain less than 1.0% hazardous components and less than 0.1% carcinogenic components. As such, the materials are not considered to be a hazardous chemical as defined by The Hazard Communications Standard (29 CFR 1910.1200).

HAZARDS INFORMATION

Although these products are defined as not hazardous, the toxicological properties of these products have not been fully investigated. Therefore, always follow Good Laboratory and Industrial Hygiene Practices and wear proper personal protective equipment when handling these materials.

CHEMICAL PROPERTIES

Boiling Point: Unknown

Melting Point: Unknown

Specific Gravity: Unknown

Vapor Pressure: Unknown

Vapor Density: Unknown

Evaporation Rate: Unknown

Solubility in Water: Unknown

Appearance and Odor: Orderless clear liquid (buffers, purified antibodies); Orderless white powder (recombinant proteins)

FIRE FIGHTING PROCEDURES

Flashpoint: N/A

Flammable Limits:

LEL: N/A

UEL: N/A

Extinguishing Media: Use media appropriate for site conditions.

Unusual Fire & Explosion Hazards: None known. Wear self-contained breathing apparatus and protective garments appropriate for site conditions.

REACTIVITY DATA

Stability/Incompatibility: Stable. See enclosed data sheet for product-specific storage information. **Hazardous Decomposition:** None known.

FIRST AID MEASURES

Eye Contact: Check for contact lenses and remove if present. Flush eyes with large volumes of water for at least 15 minutes. Seek medical attention if eyes remain red and/or irritated.

Skin Contact: Wash contact areas thoroughly with soap and water after handling. Seek medical attention if area remains irritated. Immediately remove contaminated clothing; contaminated clothing should not be worn until after it has been properly cleaned.

Ingestion: Seek medical attention or call poison control center immediately.

Inhalation: Remove from further exposure. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek medical attention immediately.

ACCIDENTAL RELEASE MEASURES

Spill or Leakage Procedure: Dispose of absorbent material used to clean spills in accordance with local, state and federal regulations.

EXPOSURE CONTROL INFORMATION

Ventilation Data: Provide adequate local exhaust ventilation.

Respiratory Protection: None required if ventilation is adequate.

Protective Gloves: Wear chemical resistant gloves.

Other Protective Equipment: Eye protection, lab coat, apron or other protective clothing to minimize contact. Eyewash stations and deluge showers should be available.

Work Practices: Observe appropriate laboratory hygiene practices. Avoid contact with skin or eyes. Wash any exposed body area thoroughly with soap and water after completion of activities involving product.

TRANSPORTATION

Product not regulated by DOT, IATA/ICAO, IMO/IMDG, ADR/RID, or TDG.

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. XpressBio and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above products.



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