Safety Data Sheet

Recombinant Proteins - all catalogue items in this family

DOCUMENT	REVISION	EFFECTIVE	FORMAT
SDS-PR	**3.0**	**01 Oct 2026**	**16 sections, CLP / HazCom aligned**

1. IDENTIFICATION

Product identifier: Recombinant Proteins family reagents. Relevant identified uses: laboratory reagent for research and further manufacturing. Not for direct diagnostic, therapeutic or household use. Supplier: T&L Biotechnology Ltd., Carlsbad, CA, United States. Emergency telephone: see the number on the shipping documentation.

2. HAZARDS IDENTIFICATION

Not classified as hazardous under CLP or OSHA HazCom 2012 in the supplied form. The product contains a preserved aqueous buffer; repeated skin contact may cause dryness. No signal word, no hazard pictogram.

3. COMPOSITION

Aqueous buffered solution containing the active proteins component, a carrier protein where applicable, and 0.02 % (w/v) sodium azide as preservative unless stated otherwise on the label. Sodium azide is toxic to aquatic life.

4. FIRST AID MEASURES

Inhalation: move to fresh air. Skin contact: wash with water and soap. Eye contact: rinse with water for at least 15 minutes, holding the eyelids open. Ingestion: rinse the mouth, do not induce vomiting, seek medical advice if symptoms persist. Show this document to the attending physician.

5. FIREFIGHTING MEASURES

Not flammable. Use extinguishing media appropriate to the surrounding fire. Thermal decomposition may release nitrogen oxides and carbon oxides. Wear self-contained breathing apparatus in an enclosed space.

6. ACCIDENTAL RELEASE MEASURES

Small spills: absorb with inert material, wipe the surface, dispose of as laboratory waste. Large spills: contain with absorbent booms, prevent entry into drains and surface water. Do not allow sodium azide-containing waste to contact copper or lead plumbing, where explosive azide salts can form.

7. HANDLING AND STORAGE

Handle under normal laboratory conditions with gloves and eye protection. Store at 2-8 deg C, do not freeze. Keep the container tightly closed when not in use. Avoid repeated temperature cycling.

8. EXPOSURE CONTROLS

No occupational exposure limit is assigned to the preparation. General laboratory ventilation is adequate. Where aerosols may be generated, use local exhaust ventilation. Gloves: nitrile. Eye protection: safety glasses.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: clear liquid. Odour: odourless. pH: 7.0-7.6. Boiling point: approximately 100 deg C. Water solubility: fully miscible. Flash point: not applicable.

10. STABILITY AND REACTIVITY

Stable under the recommended storage conditions. No hazardous reactions known. Avoid strong oxidising agents and prolonged exposure to light.

11. TOXICOLOGICAL INFORMATION

No acute toxicity data are available for the preparation as a whole. The active component is a protein or antibody; sensitisation by inhalation of aerosols cannot be excluded for sensitised individuals. Sodium azide is harmful if swallowed.

12. ECOLOGICAL INFORMATION

Sodium azide is very toxic to aquatic life. Do not release the product or its waste into the environment. Dilute small quantities with copious water before disposal through the sanitary sewer where local regulations permit.

13. DISPOSAL

Dispose of as laboratory chemical waste in accordance with local, regional and national regulations. Do not reuse empty containers.

14. TRANSPORT INFORMATION

Not classified as dangerous goods for road, rail, sea or air transport. No UN number, no packing group. Ship with cold packs where the product requires 2-8 deg C.

15. REGULATORY INFORMATION

Not a controlled substance. The product is not registered as a medicinal product. Where the product is supplied as GMP-grade material, the applicable quality agreement applies in addition to this sheet.

16. OTHER INFORMATION

Revision 3.0, effective 01 October 2026. This sheet describes the product family and is superseded by any product-specific sheet issued with a GMP lot.

This sheet covers the product family. Where an item carries a product-specific hazard statement, the sheet issued with the shipment takes precedence.