

MATERIAL SAFETY DATA SHEET

1. Chemical Product and Company Identification

- Product Name : IL 18 Recombinant Protein
- Company Identification: BioPioneer Pvt. Ltd.
- Tel No. : +91-799 108 4428

2. Composition / Information on Ingredients

- Chemical Description: Antibody.
- Chemical Name: Antibody

3. Hazards Identification

- Human Health Hazards: No data Available (Sodium Azide is not present in an amount that qualifies the product as hazardous according to Directive 67/548/EC.)
- Eye contact: Avoid
- Skin Contact: Avoid
- Ingestion: Avoid
- Inhalation: No effect

4. First Aid Measures

- Eye Contact: Irrigate thoroughly with water for at least 5 minutes.
- Skin Contact: Wash skin thoroughly with water. Remove contaminated clothing and wash before re-use.
- Inhalation: No effect
- In case of emergency call a Physician

5. Fire Fighting Measures

- Flashpoint: No data available
- Extinguishing Media: Carbon dioxide spray, Water spray or appropriate foam.

6. Accidental release Measures

- Personal Precautions: No special precaution required
- Environment Precautions: No specific precaution required.

7. Handling & Storage

- Handling: Wash hands thoroughly after working with this material.
- Storage Conditions: Store at -20°C. Keep container closed and protected from direct sunlight and moisture.
- Sensitivity to Static Discharge: Not applicable

8. Exposure Controls / Personal Protection

- Occupational Exposure Limits: None
- Engineering's Measures: None
- Respiratory Protection: Not needed
- Hand Protections: Gloves (Rubber or plastic.)
- Skin Protection: Plastic apron, sleeves, boots - if handling large quantities

- Eye Protection: Not required
- Hygiene Recommendations: Contaminated clothing should be removed and washed before re-use.

9. Physical and Chemical Properties

- Physical State: Liquid
- Appearance: Colorless
- Flashpoint: No data available
- Specific Gravity: No data available
- Ph (100%): Neutral (7.5-8.0)

10. Stability and Reactivity

- Stability: Stable unless heated
- Hazardous Polymerization: No data available
- Conditions to Avoid: Exposure to heat
- Materials to Avoid: None
- Hazardous Decomposition products: No data available

11. Toxological Information

- Acute Oral Toxicity (Albino Rats)- No data available
- Primary Skin Irritation Test: No data available
- Skin Irritation Index Draize Rating: No data available
- Primary Eye Irritation Tests: No data available
- Human Hazard Characterization: No data available

12. Ecological Information

- Biological Oxygen Demand (5-day BOD): No data available
- Chemical Oxygen Demand (COD): No data available
- Total Organic Carbon (TOC): No data available
- Aquatic Data: None
- Toxicity Rating: No data available

13. Disposal Considerations

- Disposal: Wash site of spillage thoroughly with water. Follow all federal, state and local environmental regulations.

14. Transportation Information:

- Proper Shipping Name:
- Hazard Class: It does not come under any hazardous class as it's a non-Hazardous item
- IATA Cargo Aircraft Limit: Non Hazardous for air transport.
- Technical Names: Antibodies.

15. Regulatory information:

- The MSDS contains all the information required.

16. Other information:

- Disclaimer: Reagent for in vitro laboratory use only.

- Warranty: The above mentioned information in this document is based on our present state of knowledge and is applicable with regard to appropriate safety precaution. For any damage resulting from handling or from contact with the above product, BioPioneer India Pvt. Ltd. shall not be held liable.