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## Safety Data Sheet

Antibodies  
revised 11/5/2015

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Recombinant proteins  
**Product Catalog Number:** Includes Recombinant proteins within the following range of catalog numbers bs-0001 to bs-99999.

**Supplier Identification:**

Bioss Antibodies  
500 West Cummings Park Suite 6500  
Woburn, MA 01801  
Tel: 781.569.5821  
Fax: 781.569.5847

### 2. HAZARDS IDENTIFICATION

**HAZARD DESCRIPTION**

This product contains no hazardous constituents, or the concentrations of all chemical constituents are below the regulatory threshold limits described by Occupational Safety Health Administration Hazard Communication Standard 29CFR 1910.1200 and the European Directive 91/155/EEC.

**CLASSIFICATION SYSTEM**

The classification was made according to the latest editions of the international substances lists, and expanded upon from company and literature data.

**EMERGENCY OVERVIEW**

**OSHA Hazards:** No known OSHA hazards  
**GHS Classification:** Acute aquatic toxicity (Category 3)

**GHS LABEL ELEMENTS, INCLUDING PRECAUTIONARY STATEMENTS**

**Picogram:** none  
**Signal Word:** none  
**Hazard Statement(s):** H402 Harmful to aquatic life  
**Precautionary Statement(s):** none

**HMS CLASSIFICATION**

**Health Hazard:** 0  
**Flammability:** 0  
**Physical Hazards:** 0

**NFPA RATING**

**Health Hazard:** 0  
**Fire:** 0  
**Reactivity Hazards:** 0

**POTENTIAL HEALTH EFFECTS**

**Inhalation:** May be harmful if inhaled. May cause respiratory tract irritation.  
**Skin:** May be harmful if absorbed through skin. May cause skin irritation.  
**Eyes:** May cause eye irritation.  
**Ingestion:** May be harmful if swallowed.

### 3. COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS

Recombinant proteins are from Escherichia coli source as specified on product PDF datasheet. To properly use BIOS MSDS, please refer to product PDF datasheet to determine the exact attribute descriptions (ie exact concentrations of preservatives), and then refer to the appropriate safety regulation written below.

**Component:** Protein  
**Chemical Name:** Sodium Azide  
**% Conc.:** 0.09%  
**CAS#:** 26628-22-8  
**EC#:** 247-852-1  
**Classification (pure ingredient):** T+: R28,R38; N:R50/53

**Component:** Protein Preservative  
**Chemical Name:** Gentamicin Sulphate  
**% Conc.:** 0.01%  
**CAS#:** 1405-41-0  
**EC#:** 215-778-9  
**Classification (pure ingredient):** R42/43,S45;36/37/39;22

### 4. FIRST AID MEASURES

**Inhalation:** If inhaled, remove to fresh air. Seek medical attention if needed.  
**Skin Contact:** Wash off with soap and plenty of water. Remove all contaminated personal protective equipment. Seek medical attention if needed.  
**Eyes:** Flush eyes with water as a precaution. Seek medical attention if needed.  
**Ingestion:** Rinse mouth with water. Do NOT induce vomiting. Seek medical attention if needed.

### 5. FIREFIGHTING MEASURES

**Conditions of flammability:** Not flammable or combustible.  
**Suitable extinguishing media:** Use carbon dioxide, extinguishing powder, water spray, or alcohol-resistant foam.  
**Special protective equipment for firefighters:** Wear self-contained breathing apparatus and protective unit.  
**Special exposure hazards:** No data available.

### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Do not touch or walk through spilled material. Wear personal protective equipment.  
**Environmental Precautions:** Do not let product enter drains. Discharge into the environment must be avoided.  
**Clean up methods:** Soak up with absorbent material. Keep in suitable closed containers for disposal.

### 7. HANDLING AND STORAGE

**HANDLING**  
**Information for safe handling:** Avoid contact with eyes and skin. Ensure adequate ventilation.

**STORAGE**

**Recommended storage temperature:** -20C or 4C, refer to enclosed product data sheet.  
**Conditions for safe storage:** Keep container tightly closed. Store away from oxidizing agents.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

The product does not contain any substance with occupational hazard exposure limit values.

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#### PERSONAL PROTECTIVE EQUIPMENT

**Respiratory protection:** Respiratory protection not required. In case of brief exposure, use a chemical fume hood or a type OV/AG (US) or type AHEK (EU EN 14387) respirator cartridges.

**Hand Protection:** Handle with chemical resistant gloves. Wash and dry hands.

**Eye Protection:** Use safety glasses tested and approved under appropriate government standards.

**Skin and body protection:** Protective work clothing (lab coat).

### 9. PHYSICAL AND CHEMICAL PROPERTIES

#### GENERAL INFORMATION

**Form:** liquid or lyophilized  
**Color:** colorless  
**Odor:** no data available  
**Melting point:** no data available  
**Boiling point:** no data available  
**Flash point:** no data available  
**Auto ignition point:** no data available  
**Danger of explosion:** no data available  
**Vapor Pressure:** not applicable  
**Density:** no data available

### 10. STABILITY AND REACTIVITY

**Chemical stability:** Stable under recommended storage conditions  
**Possibility of hazardous reactions:** No data available  
**Conditions to avoid:** Freeze thaw cycles  
**Materials to Avoid:** Strong oxidizers  
**Dangerous products of Decomposition:** No dangerous decomposition products known.

### 11. TOXICOLOGICAL INFORMATION

**Acute Toxicity:** Primary irritant effect  
**Skin:** No irritating effect  
**Eye:** No irritating effect

**Additional toxicological information:** The product is not subject to OSHA classification according to internally approved calculation methods for preparations. When used and handled according to specifications, this product does not have any harmful effects according to our experience and the information provided to us.

### 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** The ecological effects have been thoroughly investigated, but currently none have been identified.  
**General Notes:** Harmful to aquatic life.

### 13. DISPOSAL CONSIDERATIONS

**Recommendation:** Must adhere to state and federal regulations. Smaller quantities can be disposed of with solid waste. Disposal must be made according to the regulations found in 40 CFR 261. This product is not considered a RCRA hazardous waste.

**Contaminated Packaging:** Disposal must be made according to state and federal regulations.

### 14. TRANSPORT INFORMATION

#### DOT REGULATIONS

**Hazard Class:** Non-hazardous for transport

#### LAND TRANSPORT

**ADR/RID Class:** Non-hazardous for transport

#### MARITIME TRANSPORT

**IMDG Class:** Non-hazardous for transport

#### AIR TRANSPORT

**ICAO/IATA Class:** Non-hazardous for air transport

### 15. REGULATORY INFORMATION

**OSHA Hazards:** Not known OSHA hazard  
**SARA Section 355 (extremely hazardous):** None of the ingredients listed  
**SARA Section 313 (specific toxic chemical listings):** None of the ingredients listed  
**TSCA (Toxic Substances Control Act):** 26628-22-8 Sodium Azide

#### MASSACHUSETTS RIGHT TO KNOW COMPONENTS

Sodium Azide CAS-No. 26628-22-8 Revision Date 2007-07-01

#### PENNSYLVANIA RIGHT TO KNOW COMPONENTS

Sodium Azide CAS-No. 26628-22-8 Revision Date 2007-07-01

#### NEW JERSEY RIGHT TO KNOW COMPONENTS

Water CAS-No. 7732-18-5

#### CALIFORNIA PROPOSITION 65 COMPONENTS

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

### 16. OTHER INFORMATION

The information provided on the Safety Data Sheet is to the best of our knowledge, information, and belief at the time of its publication. The information given is designed to be used as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. Conditions of use and suitability of the product for particular uses are beyond our control, therefore the user assumes all risks of use of the product.