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 and Health Administration Hazard Communication Standard 29 CFR 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

3. COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS

Recombinant proteins are from Escherichia coli source as specified on product PDF datasheet. To properly use BIOSS 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:
Chemical Name: Sodium Azide
% Conc.: 0.09%
CAS#: 26628-22-8
EC#: 247-852-1
Classification (pure ingredient): T+: R28,R38; N:

Component:
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.
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.