Safety Data Sheet

1 Chemical Product and Company Identification
Identification of the product
Product Code
Supplier
Name
Address
Department
Phone
Fax
Recommended use and restrictions on use
diagnostic product

2 Hazard Identification
Most Important Hazards and Effects
The product might cause allergic reactions upon inhaling or skin contact because of the protein contained.
GHS classification
Classification not possible

3 Composition/Information on Ingredients
Substance/Mixture
Chemical Nature
CAS#
Concentration or concentration range
Stabilizer, etc
Ingredients Contributing to the Hazard
The ingredients known as hazardous are not included.

4 First Aid Measures
Inhalation
Remove to fresh air. Consult a physician when unpleasantness occurs.
Skin Contact
Wash off with plenty of water. Consult a physician when inflammation on the skin occurs.
Eye Contact
Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Ingestion
Swill plentiful amount of water or milk for immediate vomiting, consult a physician.

5 Fire Fighting Measures
Extinguishing Media
Water spray, dry chemical powder, or carbon dioxide etc.
Protection of Firefighters
Avoid working at leeward.

6 Accidental Release Measures
Personal Precautions, protective equipment and emergency procedure.
Environmental Precautions
Wear protective gear to avoid eye/skin contact and inhalation. Do not work at leeward.
High concentrated waste fluid should not be directly discharged into rivers.
Clean up the solution spilled with cloth, paper or anything similar to soak up the solution leaking out of the container.

7 Handling and Storage
Handling
Technical Measures
Wear protective gear to avoid eye/skin contact and inhalation. Do not drop the container to prevent the content popping out.
Precautions
None specified.
Storage
Technical Measures
Keep sealed container in freezer
Incompatible substances and mixtures
None specified.
Storage Conditions
Store at -20℃ to prevent deactivating.
Packaging Materials
Use the initial container of the product.

8 Exposure Controls/Personal Protection
Engineering Measures
Provide shower and eye washing apparatus nearby.
Personal Protective Equipment
Respiratory Protection
Protecting mask.
Hand Protection
Protecting gloves (rubbers or plastic gloves etc.).
Eye Protection
Safety goggles.
Skin and Body Protection
Long sleeve working wear.
9 Physical and Chemical Properties

Physical State: Powder
Colour/Odour: Yellow / No odour
pH: ca. pH 6.5 in the case of 10mg/ml in water.
Decomposition Temperature: No information available.
Flash Point: No information available.
Density: No information available.
Solubility: Easily soluble in water.

10 Stability and Reactivity

Stability: Stable at temperatures -20℃. When left for long at room temperature, proteins might be degraded, which does not cause any hazardous reaction.

Possible hazard reactions at specific condition: Not specified.
Conditions to avoid: Prolonged storage at temperatures higher than room temperature and high humidity.
Materials to avoid: Any materials which dissolve or destroy proteins such as strong acid or alkali.

11 Toxicological Information

Acute Toxicity: No information available.
Skin corrosion/irritation: No information available.
Eye damage/irritation: No information available.
Sensitization: Might cause allergic reactions upon inhaling or skin contact because of the protein contained.
Germ cell mutagenicity: No information available.
Carcinogenicity: No information available.
Toxic to reproduction: No information available.
Specific target organ toxicity (Single exposure): No information available.
Specific target organ systemic toxicity (Repeated exposure): No information available.
Aspiration toxicity: No information available.

12 Ecological Information

Persistence/Degradability: This product is biodegradable and does not remain on the environment for long.

13 Disposal Considerations

Residues: Dispose of in accordance with all applicable local and national laws and regulations.
Contaminated packaging: Wash with copious amounts of water and waste conforming to local regulations depending on the type of the material.

14 Transport Information

International Regulations: Not applicable.
Domestic Regulations: Not applicable.
Specific Precautions: Keep at temperatures -20℃.

15 Regulatory Information

Regulations: Follow all of the laws and regulations in your country.

16 Other Information

Notice: The information shall not be taken as being all inclusive and is to be used only a guide. All materials and mixtures may be present unknown hazards and should be used with caution. The SDS is subject to revision as new information becomes available. The information in this SDS, to the best of our knowledge, is accurate and correct. However, TOYOBIO makes no warranty and assumes no liability whatsoever in connection with any use of this information.