



MATERIAL SAFETY DATA SHEET

IMPORTANT INFORMATION: Please read carefully

MSDS: proteins and peptides

Date of Issue: 03 May 2010 *Date of review:* 03 May 2010

1. Chemical Product and Company Identification

Manufacturer: Hycult Biotech
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The Netherlands
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info@hycultbiotech.com

General Emergency telephone for Europe: 112.

2. Hazards Identification

Non of the hazardous reagents are present in an amount that qualifies the products as hazardous according to Directive 67/548/EC.
However, ingestion or exposure to large amounts can potentially be hazardous.

3. Composition / Information on Ingredients

The product does not contain components that may be hazardous to health and direct contact with skin, eyes, etc.
The protein solution exists of lyophilized product in protein stabilized PBS.

4. First Aid Measures

General instructions: First aid personnel should ensure self protection. Immediately rinse with plenty of water.

If inhaled: Transport affected person into the open are. Apply mechanical ventilation and if necessary apply an oxygen mask. When irritation persists, seek medical advise.

If ingested: Rinse the mouth and drink plenty of water. In case of unconsciousness, never administer anything orally. Arrange medical advise immediately.

In case of contact with eyes: Rinse out with plenty of water with eyes held open for at least 15 minutes. When irritation persists, seek medical advise.

In case of contact with skin: Wash with plenty of water. Immediately remove contaminated clothes. When irritation persists, seek medical advise.

5. Fire-fighting Measures

Use water spray, dry sand, carbon dioxide or foam depending on the surrounding equipment and materials.

No thermal decomposition degradation products or hazards are expected. Ambient fire may liberate hazardous vapors.

6. Accidental release measures

Personal precautions: Avoid direct contact. Do not inhale aerosols or vapours. Immediately change contaminated clothing.

Environmental safety measures: Avoid penetration into sewerage system, surface and ground water. Avoid soil pollution. See also 12. Ecological Information.

Cleaning procedure: Cover with a suitable amount of liquid-absorbent material. After removing the substance, clean the contaminated area and disinfect.

7. Handling and Storage

For optimal performance, it is recommended to work according to Good Laboratory Practice (GLP).

Store antibody at 2°C to 8°C. Do not freeze. See technical datasheet for additional information concerning individual reagents.

8. Exposure controls / Personal Protection

Personal Protection: Protective clothing should be selected specifically for the working place.

Respiratory protection: none

Eye protection: none

Skin protection: Wash hand before and after work. Wear a laboratory coat and protective gloves.

9. Physical and Chemical Properties

<u>Appearance:</u>	Liquid and lyophilized
<u>Color:</u>	Colorless
<u>Odor:</u>	Odorless
<u>pH:</u>	Neutral
<u>Solubility:</u>	Soluble
<u>Boiling point:</u>	Not Available (NA)
<u>Evaporation rate:</u>	NA
<u>Explosive properties:</u>	NA
<u>Flash point:</u>	NA
<u>Flammability:</u>	NA
<u>Oxidizing properties:</u>	NA
<u>Relative density:</u>	NA
<u>Vapor density:</u>	NA
<u>Vapor pressure:</u>	NA
<u>Viscosity:</u>	NA
<u>Additional parameters:</u>	NA

10. Stability and Reactivity

Products are stable if handled according to mentioned storage temperatures and conditions and before the mentioned expiry date. Use only clean glass and plastics (polypropylene) suitable for laboratory use.

Conditions to be avoided are freezing and heating above room temperature.

11. Toxicological Information

The component is in a small size with a concentration below the acceptable limit for hazardous ingredients, the toxicological risk is minimal.

12. Ecological Information

The product does not contain components that may be hazardous to health, there are no ecological risks.

13. Disposal Considerations

The product and packaging must be disposed in compliance with the respective national regulations. Observe all Federal, State and Local laws concerning health and pollution.

14. Transport Information

There are no special transport regulations (ADR/RID (road/rail), IMDG (sea), ICAO/IATA (air)).

15. Regulatory Information

No single component contains a hazardous ingredient in an amount that requires identification and labeling according to EC directives.

16. Other Information

The information provided is believed to be correct and is intended as a guide to users. **Hycult® Biotech** will not be held responsible for any damages which may result from the use, handling or contact with above mentioned products.

Read instructions carefully prior to use. GLP is required.

For research use only. Not for use in or on humans or animals or for diagnostics.

Specific MSDS for a particular antibody is available upon request using the request form in our support section at www.hycultbiotech.com.