

Safety Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Product Detail

Name: Biosimilar Control Antibodies, Isotype Control Antibodies, Anti Mouse Antibodies, Fusion Proteins, Dilution Buffer

Details: Biosimilar Control Antibodies, Isotype Control Antibodies, Anti Mouse Antibodies, Fusion Proteins, Dilution Buffer

Use of the substance/mixture: For Research Use Only

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses: Laboratory recombinant protein, antibodies, manufacture of substances.

1.3 Details of the supplier of the safety data sheet

Company Name: Shanghai Biointron

E-mail: order@abinvivo.com

Phone Contact: +86 400-100-3378/+1(732)515-4766

Website: www.abinvivo.com

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Not a hazardous substance or mixture.

2.2 GHS Label elements, including precautionary statements

Not a hazardous substance or mixture.

2.3 Other hazards

None.

3. FIRST AID MEASURES

3.1 Description of first aid measures

Eye contact

Remove any contact lenses, locate eye-wash station, and flush eyes immediately with large amounts of water.

Separate eyelids with fingers to ensure adequate flushing. Promptly call a physician.

Skin contact

Rinse skin thoroughly with large amounts of water. Remove contaminated clothing and shoes and call a physician.

Inhalation:

Immediately relocate self or casualty to fresh air. If breathing is difficult, give cardiopulmonary resuscitation (CPR).

Avoid mouth-to-mouth resuscitation.

Ingestion:

Wash out mouth with water; Do NOT induce vomiting; call a physician.

3.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2).

3.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

4. FIRE FIGHTING MEASURES

4.1 Extinguishing media

Suitable extinguishing media

Use water spray, dry chemical, foam, and carbon dioxide fire extinguisher.

4.2 Special hazards arising from the substance or mixture

During combustion, may emit irritant fumes.

4.3 Advice for firefighters

Wear self-contained breathing apparatus and protective clothing.

5. ACCIDENTAL RELEASE MEASURES

5.1 Personal precautions, protective equipment and emergency procedures

Use full personal protective equipment. Avoid breathing vapors, mist, dust or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Refer to protective measures listed in sections 7.

5.2 Environmental precautions

Try to prevent further leakage or spillage. Keep the product away from drains or water courses.

5.3 Methods and materials for containment and cleaning up

Absorb solutions with finely-powdered liquid-binding material (diatomite, universal binders); Decontaminate surfaces and equipment by scrubbing with alcohol; Dispose of contaminated material according to Section 12.

6. HANDLING AND STORAGE

6.1 Precautions for safe handling

Avoid inhalation, contact with eyes and skin. Avoid dust and aerosol formation. Use only in areas with appropriate exhaust ventilation.

6.2 Conditions for safe storage, including any incompatibilities

Keep container tightly sealed in cool, well-ventilated area. Keep away from direct sunlight and sources of ignition.

Powder: -80°C (2 years) , -20°C (3 months) , 4°C (2 weeks) .

In solvent: -80°C (2 years) , -20°C (3 months) , 4°C (2 weeks) .

Shipping at 4°C/-20°C if less than 2 weeks for in Powder or solvent format.

6.3 Specific end use(s)

No data available.

7. EXPOSURE CONTROLS/PERSONAL PROTECTION

7.1 Control parameters

Components with workplace control parameters. This product contains no substances with occupational exposure limit values.

7.2 Exposure controls

Engineering controls. Ensure adequate ventilation. Provide accessible safety shower and eye wash station.

Personal protective equipment

Eye protection Safety goggles with side-shields.

Hand protection Protective gloves.

Skin and body protection Impervious clothing.

Respiratory protection Suitable respirator.

Environmental exposure controls Keep the product away from drains, water courses or the soil. Clean spillages in a safe way as soon as possible.

8. PHYSICAL AND CHEMICAL PROPERTIES

8.1 Information on basic physical and chemical properties

No data available

8.2 Other safety information

No data available

9. STABILITY AND REACTIVITY

9.1 Reactivity No data available.

9.2 Chemical stability Stable under recommended storage conditions.

9.3 Possibility of hazardous reactions No data available.

9.4 Conditions to avoid No data available.

9.5 Incompatible materials No data available.

9.6 Hazardous decomposition products Under fire conditions, may decompose and emit toxic fumes.

Other decomposition products - no data available.

10. TOXICOLOGICAL INFORMATION

10.1 Information on toxicological effects

Acute Toxicity

Classified based on available data. For more details, see section 2

Skin Corrosion/Irritation

Classified based on available data. For more details, see section 2

Serious Eye Damage/Irritation

Classified based on available data. For more details, see section 2

Respiratory or Skin Sensitization

Classified based on available data. For more details, see section 2

Germ Cell Mutagenicity

Classified based on available data. For more details, see section 2

Carcinogenicity

IARC: No component of this product present at a level equal to or greater than 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at a level equal to or greater than 0.1% is identified as a potential or confirmed carcinogen by ACGIH.

NTP: No component of this product present at a level equal to or greater than 0.1% is identified as a anticipated or confirmed carcinogen by NTP.

OSHA: No component of this product present at a level equal to or greater than 0.1% is identified as a potential or confirmed carcinogen by OSHA.

Reproductive Toxicity

Classified based on available data. For more details, see section 2

Specific Target Organ Toxicity - Single Exposure

Classified based on available data. For more details, see section 2

Specific Target Organ Toxicity - Repeated Exposure

Classified based on available data. For more details, see section 2

Aspiration Hazard

Classified based on available data. For more details, see section 2

11. ECOLOGICAL INFORMATION**11.1 Toxicity**

No data available.

11.2 Persistence and degradability

No data available.

11.3 Bioaccumulative potential

No data available.

11.4 Mobility in soil

No data available.

11.5 Results of PBT and vPvB assessment

PBT/vPvB assessment unavailable as chemical safety assessment not required or not conducted.

11.6 Other adverse effects

No data available.

12. DISPOSAL CONSIDERATION**12.1 Waste Treatment Methods****Product**

Dispose substance in accordance with prevailing country, federal, state and local regulations.

Contaminated Packaging

Conduct recycling or disposal in accordance with prevailing country, federal, state and local regulations.

13. TRANSPORT INFORMATION

DOT (US)

This substance is considered to be non-hazardous for transport

IMDG

This substance is considered to be non-hazardous for transport

IATA

This substance is considered to be non-hazardous for transport

14. REGULATORY INFORMATION

SARA 302 Components:

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components:

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards:

No SARA Hazards.

Massachusetts Right To Know Components:

No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know Components:

No components are subject to the Pennsylvania Right to Know Act.

New Jersey Right To Know Components:

No components are subject to the New Jersey Right to Know Act.

California Prop. 65 Components:

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

15. OTHER INFORMATION

The above information is correct to the best of our present knowledge but does not purport to be all inclusive and should be used only as a guide. The product is for research use only and for experienced personnel. It must only be handled by suitably qualified experienced scientists in appropriately equipped and authorized facilities. The burden of safe use of this material rests entirely with the user. Abinvivo disclaims all liability for any damage resulting from handling or from contact with this product. **We reserve all the right for the final explanation**