

## Material Safety Data Sheet(MSDS)

### 1. Product and Company Information

Product Name: Biotinylated Human PD-1 Protein, mFc-His tag

Catalog Number: PME100025B

Product Use: For laboratory research purposes.

Manufacturer/Supplier: DIMA Biotechnology LTD

Address: Wuhan institute of Biotechnology B7, Biolake No.666 Gaoxin Road, Wuhan, Hubei, China

Tel: (86)27-87002742

Web: [www.dimabio.com](http://www.dimabio.com)

### 2. Composition/Information On Ingredients

The product contains no substances which at their given concentration, are considered to be hazardous to health.

We recommend handling all chemicals with caution.

### 3. Hazards Identification

Although this product does not contain any known hazard ingredients, usual precautions are to be taken when handling.

### 4. First Aid Measures

**Eyes:** Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids.

**Ingestion:** Seek Medical Advice.

### 5. Fire Fighting Measures

#### Firefighting instructions

As in any fire, wear self-contained breathing apparatus for firefighting if necessary.

#### Flammable properties and hazards

No data available.

#### Hazardous combustion products

No data available.

#### Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

#### Unsuitable extinguishing media

A solid water stream may be inefficient.

## **6. Accidental Release Measures**

### **Environmental precautions**

Avoid release into the environment.

### **Released or spilled**

Avoid raising and breathing dust and provide adequate ventilation.

As conditions warrant, wear a NIOSH approved self-contained breathing apparatus, or respirator, and appropriate personal protection.

Transfer to proper chemical waste container for disposal.

## **7. Handling and Storage**

### **Precautions for safe handling**

Provide appropriate exhaust ventilation at places where dust is formed.

Avoid breathing.

Avoid prolonged or repeated exposure.

### **Conditions for safe storage**

Keep container tightly closed in a dry and well-ventilated place.

Recommended storage temperature-80°C.

## **8. Exposure Controls/Personal Protection**

### **Personal protective equipment**

Compatible chemical-resistant gloves.

Eye wash station in work area.

Lab coat.

Safety glasses.

### **Eye protection**

Safety glasses

### **Hand protection**

Compatible chemical-resistant gloves

### **Skin and body protection**

The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

### **Specific engineering controls**

Use mechanical exhaust or laboratory fume hood to avoid exposure.

## 9. Physical And Chemical Properties

<b>Physical states:</b>	solid
<b>Color:</b>	No data
<b>Melting point/freezing point:</b>	No data
<b>Boiling point:</b>	No data
<b>Flash point:</b>	No data
<b>Ignition temperature:</b>	No data
<b>Auto-ignition temperature:</b>	No data
<b>Lower explosion limit:</b>	No data
<b>Upper explosion limit:</b>	No data
<b>Vapor pressure:</b>	No data
<b>Density:</b>	No data
<b>Water solubility:</b>	No data
<b>Partition coefficient:</b>	No data
<b>Relative vapor density:</b>	No data
<b>Odor:</b>	No data
<b>Odor Threshold:</b>	No data
<b>Evaporation rate:</b>	No data

## 10. Stability and Reactivity

<b>Stability</b>	Stable under recommended storage conditions.
<b>Conditions to avoid</b>	No data available.
<b>Materials to avoid</b>	Strong oxidizing agents.
<b>Hazardous decomposition products</b>	Carbon oxides. Hydrogen chloride gas. Sodium oxides.
<b>Possibility of hazardous reactions</b>	No data available.

## 11. Toxicological Information

No information found

## 12. Ecological Information

No information found

### **13. Disposal Considerations**

Waste disposal method Dispose in accordance with local, state, and federal regulations

### **14. Transport Information**

**DOT** Not dangerous goods.

**IMDG** Not dangerous goods.

**IATA** Not dangerous goods.

### **15. Regulatory Information**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

### **16. Other Information**

The information above is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

Revision Date: Nov. 07, 2019

**End of Safety Data Sheet**