

# Material Safety Data Sheet (MSDS)

Rev. 02/09/22

## SECTION 1. Identification

**Product name:** Anti-Human IgG(Fcγ Fragment specific),AlpSdAbs® VHH(HRP)  
**Identified uses:** For research use only.  
**Supplier:** Chengdu AlpVHHs Co. Ltd  
319 Qingpi Avenue,  
Wenjiang District, Chengdu,CHINA  
Tel: 400-166-9953  
Email: service@nb-biolab.com

## SECTION 2. Hazard(s) identification

This substance/mixture is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

**Signal Word** Not classified

**Hazard statement(s)** None

**Precautionary Statement(s)** None

May produce an allergic reaction

**Hazards not otherwise classified (HNOC)** Not applicable

## SECTION 3. Composition/information on ingredients

Chemical Name	CAS No.	Weight %
Protein	Not listed	0.1%
NaCl	7647-14-5	0.83%
KH <sub>2</sub> PO <sub>4</sub>	7778-77-0	0.02%
Na <sub>2</sub> HPO <sub>4</sub>	7558-79-4	0.12%
KCl	7447-40-7	0.02%
Sucrose	5750-1	0.05%
Trehalose	99-20-7	0.10%
Proclin300	Not listed	0.01%
Water	7732-18-5	48.84%
Glycerol	56-81-5	50.0%

## SECTION 4. First-aid measures

**Eye contact** Rinse thoroughly with plenty of water, also under the eyelids. Keep eye wide open while rinsing. Get medical attention immediately if irritation persists.

**Skin contact** Wash skin with soap and water.

**Inhalation** IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Get medical attention immediately if symptoms occur.

**Ingestion** Clean mouth with water and afterwards drink plenty of water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person.

### Most important symptoms and effects, both acute and delayed

Symptoms of allergic reaction may include rash, itching, swelling, trouble breathing, tingling of the

# Material Safety Data Sheet (MSDS)

Rev. 02/09/22

hands and feet, dizziness, lightheadedness, chest pain, muscle pain, or flushing.

## **Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

## **Advice for emergency responders**

<b>General advice</b>	For further assistance, contact your local Poison Control Center.
<b>Protection of first-aiders</b>	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

## **SECTION 5. Fire-fighting measures**

### **Extinguishing media**

<b>Suitable Extinguishing Media</b>	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
<b>Unsuitable Extinguishing Media</b>	No information available.

### **Specific hazards arising from the chemical**

No information available.

### **Explosion Data**

<b>Sensitivity to Mechanical Impact</b>	None.
<b>Sensitivity to Static Discharge</b>	None.

### **Protective Equipment and Precautions for Firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## **SECTION 6. Accidental release measures**

### **Personal precautions, protective equipment and emergency procedures**

<b>For non-emergency personnel</b>	Avoid contact with skin, eyes and clothing. Use personal protective equipment. For personal protection see section 8.
<b>Other information</b>	No information available.

### **Environmental precautions**

Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Prevent entry into waterways, sewers, basements or confined areas.

### **Methods and material for containment and cleaning up**

<b>Methods for containment</b>	Prevent further leakage or spillage if safe to do so.
<b>Methods for cleaning up</b>	Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

## **SECTION 7. Handling and storage**

### **Precautions for safe handling**

Wear personal protective equipment. See section 8. Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Handle in accordance with good industrial hygiene and safety practice.

# Material Safety Data Sheet (MSDS)

Rev. 02/09/22

## Conditions for safe storage, including any incompatibilities

<b>Technical measures/Storage conditions</b>	Keep containers tightly closed in a refrigerator/freezer, with the temperature -20°C.
<b>Packaging material</b>	Plastic bottle.
<b>Incompatible products</b>	Strong oxidizing agents. Strong acids.

## SECTION 8. Exposure controls/personal protection

### Appropriate engineering controls

Showers, eyewash stations, and ventilation systems.

### Individual protection measures, such as personal protective equipment

Personal protective equipment (PPE) needs to be selected depending on the implemented engineering controls, frequency/duration of work activities and the concentrations of the hazardous substance.

<b>Eye/face protection</b>	If splashes are likely to occur, wear: Tightly fitting safety goggles
<b>Skin and body protection</b>	Wear protective gloves/clothing.
<b>Respiratory protection</b>	If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.
<b>Hygiene measures</b>	Handle in accordance with good industrial hygiene and safety practice.

## SECTION 9. Physical and chemical properties

<b>Physical state</b>	Clear brown odorless liquid
<b>Boiling point</b>	No information available
<b>Melting point</b>	No information available
<b>Volatile organic compound</b>	No information available
<b>Solubility</b>	No information available
<b>Solubility in other solvents</b>	No information available

## SECTION 10. Stability and reactivity

### Reactivity

No information available.

### Chemical stability

Stable under normal conditions.

### Conditions to Avoid

Extremes of temperature.

### Incompatible Materials

Strong oxidizing agents. Strong acids.

### Hazardous Decomposition Products

Nitrogen oxides (NOx).

# Material Safety Data Sheet (MSDS)

Rev. 02/09/22

## SECTION 11. Toxicological information

### Information on likely routes of exposure

<b>Inhalation</b>	Avoid breathing vapors or mists. May cause irritation of respiratory tract.
<b>Eye contact</b>	Avoid contact with eyes. May cause slight irritation.
<b>Skin contact</b>	Avoid contact with skin.
<b>Ingestion</b>	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

### Information on toxicological effects

This product is for experimental uses only. The product has not been completely analyzed and all of the hazards may not be known. Please use caution while handling this product.

## SECTION 12. Ecological information

### Ecotoxicity

<b>Persistence and degradability</b>	No information available.
<b>Bioaccumulation</b>	No information available.
<b>Mobility</b>	No information available

### Other adverse effects

No information available.

## SECTION 13. Disposal considerations

Dispose of in accordance with all applicable national environmental laws and regulations.

## SECTION 14. Transport information

This material is not subject to regulation as a hazardous material for shipping.

## SECTION 15. Regulatory information

This product does not contain any substances.

### Chemical Safety Assessment

No information available

## SECTION 16. Other information

This compound is sold only for research use.

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Material Safety Data Sheet**