

Date updated: 2017/06/19

## SAFETY DATA SHEET

SECTION 1: Identification of the substance/mixture and of the company/undertaking

**1.1 Product identifier****Product code** AMS.HKD-BC41**Product name** Hyaluronan Binding Protein [HABP]**1.2 Relevant identified uses of the substance or mixture and uses advised against**

Relevant identified uses of the product: Research use only

SECTION 2: Hazards identification

**GHS classification and label elements of the product****2.1 Classification of the substance or mixture**

Not applicable to GHS classification

**2.2 Label elements**

No Signal word

## PRECAUTIONARY STATEMENT

Prevention

P264 Wash contaminated parts thoroughly after handling.

P280 Use personal protective equipment as required.

P270 Do not eat, drink or smoke when using this product.

Storage

Store below -20°C to -80°C. Avoid freeze / thaw cycles.

Disposal

P501 Dispose of contents/container in accordance with local/national regulation.

SECTION 3: Composition/information on ingredients

**Substance/Mixture:**

3.2 Mixture

Hazardous Ingredient name	Content(%)	CAS RN <sup>®</sup>	ECNO
Glycerol	10	56-81-5	2-242

SECTION 4: First aid measures

**4.1 Descriptions of first-aid measures**

IF INHALED

Due to the small packaging the risk of inhalation is minimal.

IF ON SKIN (or hair)

Rinse skin with soap and water/shower.

If skin irritation occurs: Get medical advice/attention.

IF IN EYES

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

If eye irritation persists: Get medical advice/attention.

IF SWALLOWED

Rinse mouth.

Call a POISON CENTER or doctor/physician if you feel unwell.

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## SECTION 5: Firefighting measures

**5.1 Extinguishing media**

Suitable extinguishing media

Use appropriate extinguishing media suitable for surrounding facilities.

**5.2 Special hazards arising from the mixture**

Fire may produce toxic gases.

**5.3 Advice for firefighters**

Specific fire-fighting measures

Evacuate non-essential personnel to safe area.

Special protective equipment and precautions for fire-fighters

Wear protective gloves/protective clothing/eye protection/face protection.

## SECTION 6: Accidental release measures

**6.1 Personnel precautions, protective equipment and emergency procedures**

Avoid breathing vapors, mist or gas.

Wear proper protective equipment.

**6.2 Environmental precautions**

Avoid leakage to environment.

**6.3 Methods and materials for containment and cleaning up**

Absorb spill with inert material (dry sand, earth, et al), then place in a chemical waste container.

## SECTION 7: Handling and storage

**7.1 Precautions for safe handling**

Safety treatments

Avoid contact with skin.

Avoid contact with eyes.

Safety Measures/Incompatibility

Use personal protective equipment as required.

Wash hands et al thoroughly after handling.

When using do not eat, drink or smoke.

**7.2 Conditions for safe storage, including any incompatibilities**

Recommendation for storage

Store below -20°C to -80°C. Avoid freeze / thaw cycles.

## SECTION 8: Exposure controls/personal protection

**8.1 Control parameters**

Adopted value

OSHA-PEL

(as Glycerol 95% or more)

TWA 5mg/m<sup>3</sup>

**8.2 Exposure controls**

Individual protection measures

Hand protection

Wear protective gloves.

Eye protection

Wear eye/face protection.

Skin and body protection

Wear protective clothing.

Safety and Health measures

Do not eat, drink or smoke when using this product.

Wash hands thoroughly after handling.

## SECTION 9: Physical and chemical properties

**9.1 Information on basic physical and chemical properties**

Physical properties

Appearance : Liquid

Color : N.A.

Odor : N.A.

pH : N.A.

Phase change temperature  
 Initial Boiling Point/Boiling point data N.A.  
 Boiling range data N.A.  
 Melting point/Freezing point data N.A.  
 Decomposition temperature data N.A.  
 Flash point data N.A.  
 Auto-ignition temperature data N.A.  
 Vapor pressure data N.A.  
 Vapor density data N.A.  
 Specific gravity/Density data N.A.  
 Solubility in water : miscible  
 n-Octanol /water partition coefficient data N.A.

## SECTION 10: Stability and reactivity

### **10.2 Chemical stability**

Stable under normal storage/handling conditions.

### **10.4 Conditions to avoid**

Heat

### **10.5 Incompatible materials**

Strong oxidizing agent

### **10.6 Hazardous decomposition products**

Under normal storage and handling conditions, no hazardous products are generated.

## SECTION 11: Toxicological information

### **11.1 Information on toxicological effects**

No Acute toxicity data available  
 No Irritant properties data available  
 No Allergenic and sensitizing effects data available  
 No Mutagenic effects data available  
 No Carcinogenic effects data available  
 No Teratogenic effects data available  
 No reproductive toxicity data available  
 No STOT-single/repeated exposure data available  
 No Aspiration hazard data available

## SECTION 12: Ecological information

### **12.1 Toxicity**

No Aquatic toxicity data available  
 No Persistence and degradability data available

### **12.3 Bioaccumulative potential**

(as Glycerol 95% or more)  
 log Pow=-1.76 (ICSC, 2006)

No Mobility in soil data available  
 Ozone depleting chemical data not available

## SECTION 13: Disposal considerations

### **13.1 Waste treatment methods**

Dispose of contents/container in accordance with local/national regulation.

## SECTION 14: Transport information

UN No, UN CLASS  
 Not applicable to UN NO.

### **14.6 Special precautions for user**

Not classified as dangerous cargo.

## SECTION 15: Regulatory information

### **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

US major regulations

TSCA

1,2,3-Propanetriol (Glycerol)

EU regulations

EC Inventory

200-289-5 Glycerol

#### SECTION 16: Other information

The product is not applicable to GHS classifications.

Reference Book

Globally Harmonized System of classification and labelling of chemicals, (5th ed., 2013), UN

Recommendations on the TRANSPORT OF DANGEROUS GOODS 18th edit., 2013 UN

Classification, labelling and packaging of substances and mixtures (table3-1 ECNO6182012)

2012 EMERGENCY RESPONSE GUIDEBOOK(US DOT)

2016 TLVs and BEIs. (ACGIH)

<http://monographs.iarc.fr/ENG/Classification/index.php>

Supplier's data/information

General Disclaimer

This information contained in this data sheet represents the best information currently available to us.

However, no warranty is made with respect to its completeness and we assume no liability resulting

from its use. It is advised to make their own tests to determinate the safety and suitability of each such

product or combination for their own purposes.

**End of Safety Data Sheet**

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