

# MATERIAL SAFETY DATA SHEET

## 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### Product identifiers

Product name: PHA-L, Phytohemagglutinin, 1.2 mg Protein/Flask, lyophilized  
Product number: P05-01010

Brand: PAN Biotech

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

Identified uses: Laboratory chemicals, Manufacture of substances

### Details of the supplier of the safety data sheet

Company: PAN Biotech GmbH  
Am Gewerbepark 13  
94501 Aidenbach  
GERMANY

Telephone: +49-(0)8543-6016-30  
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E-mail: info@pan-biotech.de

### Emergency telephone number

Emergency phone: +49-(0)8543-6016-30 or +49 151 51557123

## 2. HAZARDS IDENTIFICATION

### Classification of the substance or mixture

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008. This substance is not classified as dangerous according to Directive 67/548/EEC.

### Label elements

The product does not need to be labeled in accordance with EC directives or respective national laws.

### Other hazards

none

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Substances Synonyms:** Phaseolus vulgaris agglutinin, PHA

No components need to be disclosed according to the applicable regulations

#### 4. FIRST AID MEASURES

<b>After skin contact</b>	wash off with soap and plenty of water.
<b>After eye contact</b>	flush eyes with water as a precaution.
<b>If swallowed</b>	never give anything by mouth to an unconscious person. Rinse mouth with water.
<b>If inhaled</b>	move person to fresh air. If not breathing, give artificial respiration.

#### 5. FIREFIGHTING MEASURES

<b>Suitable extinguishing media</b>	use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
<b>Special hazards arising from the substance</b>	nature of decomposition products not known.
<b>Advice for fire fighters</b>	wear self contained breathing apparatus for fire fighting if necessary

#### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions</b>	avoid breathing vapors, mist or gas.
<b>Methods for cleaning up</b>	keep in suitable, close containers for disposal.
<b>Environmental precautions</b>	no special environmental precautions required

#### 7. HANDLING AND STORAGE

<b>Handling</b>	no data available
<b>Storage</b>	store in cool place. Keep container tightly closed in a dry and well-ventilated place.
<b>Storage temperature</b>	-20°C

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Engineering controls</b>	general industrial hygiene practice.
<b>Personal protective equipment</b>	
<b>Respiratory protection</b>	Respiratory protection not required. For nuisance exposures use type OV/AG (US) or type ABEK (EU EN 14387) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
<b>Eye protection</b>	Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
<b>Skin and body protection</b>	Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.
<b>Impervious clothing.</b>	The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Form:</b>	powder, lyophilized
<b>Odour</b>	no data available
<b>pH</b>	no data available
<b>Melting point/freezing point</b>	no data available
<b>Initial boiling point and boiling range</b>	no data available
<b>Flash point</b>	no data available
<b>Flammability</b>	no data available
<b>Auto-ignition temperature</b>	no data available
<b>Explosive properties</b>	no data available
<b>Oxidizing properties</b>	no data available
<b>Water solubility</b>	no data available

## 10. STABILITY AND REACTIVITY

<b>Stability</b>	no data available
<b>Conditions to avoid</b>	no data available
<b>Hazardous demposition products</b>	no data available
<b>Incompatible materials</b>	strong acids, strong bases

## 11. TOXICOLOGICAL INFORMATION

<b>Acute toxicity</b>	no data available
<b>Skin corrosion/irritation</b>	no data available
<b>Serious eye damage/eye irritation</b>	no data available
<b>Respiratory or skin sensitization</b>	no data available
<b>Germ cell mutagenicity</b>	no data available
<b>Carcinogenicity</b>	
<b>IARC:</b>	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
<b>Reproductive toxicity</b>	no data available
<b>Specific target organ toxicity</b>	no data available
<b>Aspiration hazard</b>	no data available
<b>Potential health effects</b>	
<b>Inhalation</b>	May be harmful if inhaled. May cause respiratory tract irritation.
<b>Ingestion</b>	May be harmful if swallowed.
<b>Skin</b>	May be harmful if absorbed through skin. May cause skin irritation.
<b>Eyes</b>	May cause eye irritation.
<b>Signs and Symptoms of Exposure</b>	
	To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.
<b>Additional Information</b>	
	RTECS: Not available

## 12. ECOLOGICAL INFORMATION

<b>Toxicity</b>	no data available
<b>Persistence and degradability</b>	no data available
<b>Bioaccumulative potential</b>	no data available
<b>Mobility in soil</b>	no data available
<b>Results of PBT and vPvB assessment</b>	no data available
<b>Other adverse effects</b>	no data available

## 13. DISPOSAL CONSIDERATIONS

<b>Product</b>	offer surplus and non-recyclable solutions to a licensed disposal company
<b>Contaminated packaging</b>	Dispose of as an unused product

## 14. TRANSPORT INFORMATION

<b>UN-number</b>			
ADR/RID: -	IMDG: -		IATA: -
<b>UN proper shipping name</b>			
ADR/RID: not dangerous goods	IMDG: not dangerous goods		IATA: not dangerous goods
<b>Transport hazard class(es)</b>			
ADR/RID: -	IMDG: -		IATA: -
<b>Packaging group</b>			
ADR/RID: -	IMDG: -		IATA: -
<b>Environmental hazards</b>			
ADR/RID: no	IMDG Marine Pollutant: no		IATA: no
<b>Special precautions for user</b>			
No data available			

## 15. REGULATORY INFORMATION

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

**Safety, health and environmental regulations** no data available

**Chemical Safety Assessment** no data available

## 16. OTHER INFORMATION

### **Further information**

The above information 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. PAN Biotech GmbH shall not be held liable for any damage resulting from handling or from contact with the above product. See [www.pan-biotech.com](http://www.pan-biotech.com) or reverse side of invoice or packing slip for additional terms and conditions of sale.