

Safety Data Sheet

Phytohemagglutinin M (PHA-M)

According to Regulation (EC) No. 1907/2006 (REACH)

Date of Compilation 04.10.2017

Revision Date 15.01.2024

Version 003/01.2024

Replaces Version of 18.03.2022 (Version 002/03.2022)

Section 1 Identification of the Substance/Mixture and of the Company/Undertaking

Product Identifiers

Product name: Phytohemagglutinin M (PHA-M)

Catalogue No: PHA-H (10 ml)

REACH No. A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration, or the registration is envisaged for a later registration deadline.

Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Identified uses: Laboratory chemicals, Manufacture of substances.

For research and development or in-vitro diagnostic use only.

Not for therapeutic use. Not for use on human subjects.

Details of the Supplier of the Safety Data Sheet

Company: Capricorn Scientific GmbH
Auf der Lette 13 A
35085 Ebsdorfergrund
Germany

Phone: +49 6424 94464 0

E-Mail: info@capricorn-scientific.com

Emergency Telephone Number

Emergency Phone: During Office Time: +49 6424 94464 0.

Section 2 Hazards Identifications

Classification of the substance or mixture

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

Label elements

The product is classified and labelled according to Regulation (EC) No. 1272/2008.

Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Safety Data Sheet

Phytohemagglutinin M (PHA-M)

According to Regulation (EC) No. 1907/2006 (REACH)

Date of Compilation 04.10.2017

Revision Date 15.01.2024

Version 003/01.2024

Replaces Version of 18.03.2022 (Version 002/03.2022)

Section 3 Composition/Information on Ingredients

Substances

The product contains no substances which at their given concentration, are hazardous to health. We recommend handling all chemicals with caution.

Section 4 First Aid Measures

Description of first aid measures

If inhaled	Not expected to be an inhalation hazard under anticipated conditions of normal use of this material. Consult a physician if necessary.
In case of skin contact	Rinse skin with water. Immediate medical attention is not required.
In case of eye contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If swallowed	Not expected to present a significant ingestion hazard under anticipated conditions of normal use. If you feel unwell, seek medical advice.
Notes to Physician	Treat symptomatically.

Indication of any immediate medical attention and special treatment needed.

None.

Section 5 Firefighting Measures

Extinguishing media

Suitable extinguishing media

Water spray. Carbon dioxide (CO₂). Foam. Dry chemical.

Special hazards arising from the substance or mixture

Not known.

Advice for firefighters

Wear self-contained breathing apparatus and protective suit.

Safety Data Sheet

Phytohemagglutinin M (PHA-M)

According to Regulation (EC) No. 1907/2006 (REACH)

Date of Compilation 04.10.2017

Revision Date 15.01.2024

Version 003/01.2024

Replaces Version of 18.03.2022 (Version 002/03.2022)

Section 6 Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Always wear recommended Personal Protective Equipment. Use personal protection equipment See section 8 for more information.

Environmental precautions

No special environmental precautions required.

Methods and materials for containment and cleaning up

Soak up with inert absorbent material.

Section 7 Handling and Storage

Precautions for safe handling

Use personal protective equipment as required. No special handling advices are necessary.

Conditions for safe storage, including any incompatibilities

Keep in a dry, cool and well-ventilated place. Keep in properly labelled containers.

Recommended storage temperature: Store at $\leq 15^{\circ}\text{C}$.

After thawing, the PHA-M is stable for at least 1 month at $+2^{\circ}\text{C}$ to $+8^{\circ}\text{C}$.

Section 8 Exposure Controls/Personal Protection

Control parameters

Components with workplace control parameters

Exposure controls

Appropriate engineering controls

General industrial hygiene practice.

Personal protective equipment

Personal Protective Equipment requirements are dependent on the user institution's risk assessment and are specific to the risk assessment for each laboratory where this material may be used.

Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Safety Data Sheet

Phytohemagglutinin M (PHA-M)

According to Regulation (EC) No. 1907/2006 (REACH)

Date of Compilation 04.10.2017

Revision Date 15.01.2024

Version 003/01.2024

Replaces Version of 18.03.2022 (Version 002/03.2022)

Skin protection

Impervious chemical-resistant gloves according to specifications of EU Directive 89/686/EEC and the standard EN374.

Body protection

Lightweight protective clothing.

Respiratory protection

In case of insufficient ventilation wear suitable respiratory equipment.

Control of environmental exposure

No special environmental precautions required.

Section 9 Physical and Chemical Properties

Information on basic physical and chemical properties

Appearance	Form: liquid
Odor	No data available.
pH	6.5 – 7.5
Melting/freezing point	No data available.
Initial boiling point and range	No data available.
Flash point	No data available.
Evaporation rate	No data available.
Flammability (solid, gas)	No data available.
Upper/lower flammability or exposure limits	No data available.
Vapour pressure	No data available.
Vapour density	No data available.
Relative density	No data available.
Water solubility	No data available.
Partition coefficient: n-octanol/water	No data available.
Auto-ignition temperature	No data available.
Decomposition temperature	No data available.
Viscosity	No data available.
Explosive properties	No data available.
Oxidizing properties	No data available.

Other safety information

No data available

Safety Data Sheet

Phytohemagglutinin M (PHA-M)

According to Regulation (EC) No. 1907/2006 (REACH)

Date of Compilation 04.10.2017

Revision Date 15.01.2024

Version 003/01.2024

Replaces Version of 18.03.2022 (Version 002/03.2022)

Section 10 Stability and Reactivity

Reactivity

None known.

Chemical stability

Stable for under recommended storage conditions.

Possibility of hazardous reactions

Hazardous reaction has not been reported.

Conditions to avoid

No data available.

Incompatible materials

No dangerous reaction known under conditions of normal use.

Hazardous decomposition products

Other decomposition products: No data available.

Section 11 Toxicological Information

Information on toxicological effects

There is no evidence available indicating acute toxicity.

Skin corrosion/irritation Data are conclusive but insufficient for classification.

Serious eye damage/irritation Data are conclusive but insufficient for classification.

Respiratory or skin sensitisation Data are conclusive but insufficient for classification.

Specific target organ toxicity (STOT)–singleexposure Data are conclusive but insufficient for classification.

Specific target organ toxicity (STOT)–repeatedexposure Data are conclusive but insufficient for classification.

Carcinogenicity Data are conclusive but insufficient for classification.

Germ cell mutagenicity Data are conclusive but insufficient for classification.

Safety Data Sheet

Phytohemagglutinin M (PHA-M)

According to Regulation (EC) No. 1907/2006 (REACH)

Date of Compilation 04.10.2017

Revision Date 15.01.2024

Version 003/01.2024

Replaces Version of 18.03.2022 (Version 002/03.2022)

Reproductive Toxicity Data are conclusive but insufficient for classification.

Aspiration Hazard Data are conclusive but insufficient for classification.

Section 12 Ecological Information

Toxicity

Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants.

Persistence and degradability

No data available.

Bioaccumulative potential

No data available.

Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

Other adverse effects

No information available.

Section 13 Disposal Considerations

Waste treatment methods

Product

Dispose of in accordance with local regulations. Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging

Dispose of as unused product.

Safety Data Sheet

Phytohemagglutinin M (PHA-M)

According to Regulation (EC) No. 1907/2006 (REACH)

Date of Compilation 04.10.2017

Revision Date 15.01.2024

Version 003/01.2024

Replaces Version of 18.03.2022 (Version 002/03.2022)

Section 14 Transport Information

IATA / ADR / DOT-US / IMDG

Not regulated in the meaning of transport regulations

UN number	Not Applicable
UN proper shipping name	Not Applicable
Transport hazard class(es)	Not Applicable
Packing group	Not Applicable
Environmental hazards	Not Applicable
Special precautions for user	Not Applicable

Transport in bulk according to Annex II of MARPOL and the IBC Code

Not Applicable.

Section 15 Regulatory Information

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

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

No data available.

Chemical Safety Assessment

For this product a chemical safety assessment was not carried out.

Section 16 Other 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.