

Safety Data Sheet

according to Regulation (EC) No 1907/2006 (REACH)

Trade name: Human MMP-2H Activity Assay Kit Component

Product No: QZBMMP2Hv2 Assay Buffer

Print date:

Version: 1.1 / EN

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

1.1 Product identifiers

Product name: **Assay Buffer; part of 'Human MMP-2 Activity Assay Kit'**

Catalog number: QZBMMP2Hv2 – Assay Buffer

Brand: QuickZyme Biosciences

Index-No.: not applicable

Cas-No.: not applicable

EC-No.: not applicable

Brand: QuickZyme Biosciences

Reach number: No registration number available annual tonnage does not require registration.

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses: Component of Assay kit for laboratory use, research use only

1.3 Details of the supplier of the safety data sheet:

Supplier:

Name: QuickZyme Biosciences B.V.

Address: Sylviusweg 71
2333 BE Leiden

The Netherlands

Information contact: +3188866 6024 / 6114

E-Mail: info@quickzyme.com

1.4 EMERGENCY TELEPHONE NUMBER:

In the EU call emergency number 112, outside EU call local emergency number.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Product definition: Mixture

Classification according to Regulation (EC) No 1272/2008 (CLP/GHS)

Not classified

The product is not classified as dangerous according to Regulation (EC) 1272/2008 as amended

Full text of H-Statements: see SECTION 16.

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2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

Hazard pictograms: None

Signal word: No signal word

Hazard statements: No significant effects or critical hazards

Precautionary statements: Not applicable

Supplemental Hazard information: None

2.3 Other hazards

This substance is not considered to be persistent, bioaccumulating and toxic (PBT).

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

SECTION 3. Composition/information on ingredients

Substance/mixture: mixture

Product/ingredient name Identifiers (ECI No. Type 1272/2008 (CLP))

2-Amino-2-(hydroxymethyl)-1,3-propanediol, (Tris(hydroxymethyl)aminomethane , Tris)

EC: 201-064-4

CAS: 77-86-1

Index.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

SECTION 4: First aid measures

4.1 Description of first-aid measures

Eye contact: In case of contact with eyes, rinse immediately with plenty of water. Remove contact lenses.

Inhalation: If inhaled, remove to fresh air. Get medical attention if symptoms appear.

Skin contact: Wash with soap and water. Get medical attention if symptoms appear.

If swallowed: Drink water (two glasses at most) Get medical attention if symptoms appear.

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4.2 Most important symptoms and effects, both acute and delayed

Potential acute health effects

Eye contact No known significant effects or critical hazards.

Inhalation No known significant effects or critical hazards

Skin contact No known significant effects or critical hazards.

Ingestion No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact No specific data.

Inhalation No specific data.

Skin contact No specific data.

Ingestion No specific data.

4.3 Indication of any immediate medical attention and special treatment needed

No data available

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Use an extinguishing agent suitable for the surrounding fire

Unsuitable extinguishing media

None known

Hazardous combustion products

No specific data

5.2 Special hazards arising from the substance or mixture

Combustion products may include the following:

Carbon oxides

Nitrogen oxides

5.3 Advise for firefighters

In the event of fire, wear self-contained breathing apparatus

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: No action shall be taken involving any personal risk or without suitable training. Evacuate the danger area. Provide adequate ventilation. Observe emergency procedures. Avoid substance contact.

For emergency responders: If specialised clothing is required, take note of section 8. See also above information for non-emergency personnel.

6.2 Environmental precautions

Do not let product enter drains

6.3 Methods and materials for containment and cleaning up

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Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in on appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

6.4 Reference to other sections

See section 1 for emergency contact information.

See section 8 for appropriate personal protection equipment.

See section 13 for additional disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Protective measures

Put on appropriate personal protective equipment (see Section 8)

Hygiene measures

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures

7.2 Conditions for safe storage, including any incompatibilities

Store according to local regulations, in closed containers.

7.3 Specific end uses

Research and development

See section 1.2.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Exposure limits

No exposure limit value known.

8.2 Exposure controls

Engineering measures.

No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limit.

Personal protective equipment

Eye/face protection

No specific measures

Skin protection

No specific measures.

Body protection

No specific measures.

Respiratory protection

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No specific measures.

Environmental exposure controls

No specific measures

SECTION 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	solution in water
Colour	transparent colorless
Odour	odourless
Melting/freezing point	Not available
Initial boiling point and boiling range	No data available
Flash point	No data available
Evaporation rate	No data available
Decomposition temperature	No data available
Flammability (solid, gas)	Not considered to be flammable
Upper/lower flammability or explosive limits	No data available
pH	No data available
Water solubility	Soluble in water
Viscosity	No data available
Partition coefficient n-octanol/water	No data available
Explosive properties	Not considered to be a product presenting a risk of explosion
Oxidizing properties	No data available

9.2 Other Information

No additional information

SECTION 10: Stability and reactivity

10.1 Reactivity

No data available

10.2 Chemical Stability

The product is stable

10.3 Possibility of hazardous reactions

Under normal conditions of storage and use hazardous reactions will not occur.

10.4 Conditions to avoid

No data available

10.5 Incompatible materials

No specific data

10.6 Hazardous decomposition products

Under normal conditions of storage hazardous decomposition products should not be formed.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

LD50 rat oral > 3000mg/kg

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Skin corrosion/ irritation

No skin irritation 4h

Serious eye damage / eye irritation

No eye irritation (rabbit)

Sensitisation

No data available

Mutagenicity

No data available

Carcinogenicity

No data available

Reproductive toxicity

No data available

Teratogenicity

No data available

11.2 Additional information

Potential acute health effects

Inhalation

No known effects

Ingestion

No known effects

Skin contact

No known effects

Eye contact

No known effects

SECTION 12: Ecological information

12.1 Toxicity

Not available

12.2 Persistence and degradability

Readily biodegradable

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

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12.5 Results of PBT and vPvB assessment

PBT Not applicable

vPvB Not applicable

12.6 Endocrine disruptive properties

No adverse effects known

12.7 Other adverse effects

No known significant effects or critical hazards

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Avoid generation of waste as much as possible. Disposal of this product should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless compliant with requirements of local jurisdiction.

Packaging

Avoid generation of waste as much as possible. Disposal of this product should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless compliant with requirements of local jurisdiction.

SECTION 14: Transport information

	Land transport (ADR/RID)	Inland waterway transport (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1 UN No.	Not regulated	Not regulated	Not regulated	Not regulated
14.2 UN Proper shipping name				
14.3 Transport hazard class(es)				
14.4 Packing group				
14.5 Environmental hazards	No	No	No	No

14.6 Special precautions for user

No specific precautions

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SECTION 15: Regulatory information

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

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

Authorisations and / or restrictions on use

Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII): Not applicable

National legislation

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances: Not applicable,

Other regulations

Not listed.

15.2 Chemical Safety Assessment

The main substance of this product has been subjected to a chemical safety assessment.

SECTION 16: Other information

Full text of H-statements:

Not applicable

Further information:

The information provided in this document is believed to be correct, but is possibly not all inclusive and is only intend to be used as a guide. QuickZyme Biosciences B.V. shall not be held liable for any damage resulting from using this kit component, or from contact with this kit component.