

SAFETY DATA SHEET



1003 – BMEM Protein-Free Human Cardiomyocyte Kit

Revision Date 07-Dec-2023
Revision Number 1

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product identifier

Product Name BMEM Protein-Free Human Cardiomyocyte Kit

Other means of identification N/A

Catalog Number 1003

Document Number BZ03

Synonyms None

Recommended use of the chemical and restrictions on use.

Recommended Use Laboratory reagent.

Details of the supplier of the safety data sheet

Manufacturer/Supplier

BMEM Bio

1551 W Homer St,

Chicago, IL 60642

Emergency Telephone 1-773-698-6656

2. HAZARDS IDENTIFICATION

Classification

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

Hazards not otherwise classified (HNOC)

Not applicable

Label elements

Hazard statements

Not a hazardous substance or mixture according to the Globally Harmonized System (GHS)

The product no substances which at their given concentration, are considered to be hazardous to health.

Appearance Clear

Physical state Liquid

Odor No data available

Other Information

Not applicable

Unknown acute toxicity

0 % of the mixture consists of ingredient(s) of unknown toxicity.

0 % of the mixture consists of ingredient(s) of unknown acute oral toxicity

0 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity

0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)

0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)

0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance

Not applicable.

Mixture

Not a hazardous substance or mixture according to the Globally Harmonized System (GHS)

*The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

Description of first aid measures

Inhalation	Remove to fresh air.
Eye Contact	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
Skin Contact	Wash skin with soap and water.
Ingestion	Clean mouth with water and drink afterwards plenty of water.

Most important symptoms and effects, both acute and delayed

Symptoms No information available.

Indication of any immediate medical attention and special treatment needed.

Note to physicians Treat symptomatically

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media

CAUTION: Use of water spray when fighting fire may be inefficient. No information available.

Specific hazards arising from the chemical

No information available

Explosion data

Sensitivity to mechanical impact

None.

Sensitivity to static discharge

None.

Special protective equipment for fire-fighters

Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

6. ACCIDENTAL RELEASE MEASURES

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

Ensure adequate ventilation.

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

Prevent further leakage or spillage if safe to do so.

Methods for cleaning up

Pick up and transfer to properly labeled containers.

Prevention of secondary hazards

Clean contaminated objects and areas thoroughly observing environmental regulations.

7. HANDLING AND STORAGE

Precautions for safe handling**Advice on safe handling**

Handle in accordance with good industrial hygiene and safety practice.

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

Store in accordance with information listed on the Product Information Sheet (PIS).

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters**Exposure Limits**

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region-specific regulatory bodies.

Appropriate Engineering Controls**Engineering Controls**

Showers
Eyewash stations
Ventilation systems

Individual protection measures, such as personal protective equipment

Eye/face protection

No special protective equipment required

Skin and body protection

No special protective equipment required

Respiratory protection

No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

General hygiene considerations

Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties**Physical state**

Liquid

Appearance

Clear

Color

Red

Odor

No data available

Odor threshold

No data available

Property	Values	Remarks/Method
pH	No data available	None
Melting point / freezing point	No data available	None
Boiling point / boiling range	No data available	None
Flash point	No data available	None
Evaporation rate	No data available	None
Flammability (solid, gas)	No data available	None
Flammability Limit in Air		
Upper flammability limit:	No data available	None
Lower flammability limit:	No data available	None
Vapor pressure	No data available	None
Vapor density	No data available	None
Relative density	No data available	None
Water solubility	No data available	None
Solubility in other solvents	No data available	None
Partition coefficient	No data available	None
Autoignition temperature	No data available	None
Decomposition temperature	No data available	None
Kinematic viscosity	No data available	None
Dynamic viscosity	No data available	None
Explosive properties	No data available	None
Oxidizing properties	No information available	None

Other Information

Property	Values	Remarks/Method
Softening point	No data available	None
Molecular weight	No data available	None
Molecular formula	No data available	None
VOC Content (%)	No data available	None
Liquid Density	No data available	None
Bulk density	No data available	None

10. STABILITY AND REACTIVITY

Reactivity

No information available

Chemical stability

Stable under recommended transport or storage conditions

Possibility of hazardous reactions

None under normal processing

Conditions to avoid

None known based on information supplied

Incompatible materials

None known based on information supplied

Hazardous decomposition products

None known based on information supplied

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Inhalation

Specific test data for the substance or mixture is not available

Eye contact

Specific test data for the substance or mixture is not available

Skin contact

Specific test data for the substance or mixture is not available

Ingestion

Specific test data for the substance or mixture is not available

Symptoms related to the physical, chemical, and toxicological characteristics

Symptoms

No information available

Numerical measures of toxicity

Unknown acute toxicity

0% of the mixture consists of ingredients of unknown toxicity

0% of the mixture consists of ingredients of unknown acute oral toxicity
0% of the mixture consists of ingredients of unknown acute dermal toxicity
0% of the mixture consists of ingredients of unknown acute inhalation toxicity (gas)
0% of the mixture consists of ingredients of unknown acute inhalation toxicity (vapor)
0% of the mixture consists of ingredients of unknown acute inhalation toxicity (dust/mist)

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Exposure	Values
Skin corrosion/irritation	No information available
Serious eye damage/eye irritation	No information available
Respiratory or skin sensitization	No information available
Germ cell mutagenicity	No information available
Carcinogenicity Reproductive toxicity	No information available
STOT – single exposure	No information available
STOT – repeated exposure	No information available
Aspiration hazard	No information available

12. ECOLOGICAL INFORMATION

Ecotoxicity

Persistence and degradability

No information available

Bioaccumulation

There is no data for this product

Other adverse effects

No information available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Waste from residues/unused products

Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging

Do not reuse empty containers

14. TRANSPORT INFORMATION

DOT

Not Regulated

TDG

Not Regulated

MEX

Not Regulated

ICAO (AIR)
Not Regulated

IATA
Not Regulated

IMDG
Not Regulated

RID
Not Regulated

ADR
Not Regulated

AND
Not Regulated

15. REGULATORY INFORMATION

International Inventories

TSCA
Does not comply

DSL/NDSL
Does not comply

EINECS/ELINCS
Does not comply

ENCS
Does not comply

IECSC
Does not comply

KECL
Does not comply

PICCS
Does not comply

AICS
Does not comply

Legend:

TSCA – United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL – Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS – European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS – Japan Existing and New Chemical Substances

IECSC – China Inventory of Existing Chemical Substances

KECL – Korean Existing and Evaluated Chemical Substances

PICCS – Philippines Inventory of Chemicals and Chemical Substances

AICS – Australian Inventory of Chemical Substances

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA).
chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations,
Part 372.

SARA 311/312 Hazard Categories

Acute health hazard

No

Chronic Health Hazard

No

Fire hazard

No

Sudden release of pressure hazard

No

Reactive Hazard

No

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Water 7732-18-5	-	-	X

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

**16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE
LAST REVISION**

PREPARED BY: Department of science. BMEM Bio.

REVISION DATE: 12/7/23

DISCLAIMER

The information provided in this 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 text. BMEM Bio shall not be held liable for any damage resulting from handling or from contact with the product.

End of Safety Data Sheet