



Safety Data Sheet

OkaMatrix™ LDEV-free Extracted Basement Membrane, hESC-Qualified

SECTION 1. IDENTIFICATION

Product Name: OkaMatrix™ LDEV-free Extracted Basement Membrane, hESC-Qualified
Product Number: BM-SC-1ML/BM-SC-5ML/BM-SC-10ML
Recommended Use: Intended for use in laboratory settings, cell encapsulation, and *in vivo* implantation.
Restrictions on Use: Not intended for consumption or live human testing
Company Name: GelMA Biotechnologies Ltd.
Telephone Number: (778) 583-6016
Email: info@okasciences.com

SECTION 2. HAZARD IDENTIFICATION

Classification
Not a hazardous substance or mixture according to the Globally Harmonized System (GHS).
Label Elements
Not a hazardous substance or mixture according to the Globally Harmonized System (GHS).
Other Hazards
None known

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

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

SECTION 4. FIRST-AID MEASURES

If inhaled
Immediately move to fresh air.
If skin contact occurs
Remove contaminated clothing. Wash the contact area thoroughly with soap and water.
If eye contact occurs
Remove contact lenses if applicable. Flush eyes well with running water.
If ingested
Rinse mouth with water. Consult a physician if feeling unwell.
Most important symptoms and effects, acute and delayed
None known.
Immediate Medical Attention and Special Treatment
No data available.



SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Water spray, alcohol-resistant foam, dry chemical or carbon dioxide

Unsuitable Extinguishing Media

There are no limitations of extinguishing agents.

Specific Hazards Arising from the Product

None known.

Special Protective Equipment and Precautions for Fire-Fighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Further information

Prevent fire extinguishing water from contaminating surface and groundwater systems.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

Use standard laboratory personal protective equipment (gloves, lab coat, protective eyewear). Avoid inhalation of aerosols or vapors.

Environmental Precautions

Keep product away from drains.

Methods and Materials for Containment and Cleaning Up

No special precautions are needed in handling this material.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

Handle in area with appropriate exhaust ventilation. When processing, take into consideration the formation of vapors. Avoid exposure to bare skin and eyes.

Conditions for Safe Storage

Store in a tightly closed container at recommended storage temperature -20°C to -10°C.

Storage Class

Storage class (TRGS 510): 12: Non Combustible Liquids.

Specific End Use

Apart from uses outlined in section 1, no other specific uses are defined.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Ingredients with workplace control parameters

Product contains no substances with occupational exposure limit values.

Exposure Controls

Eye/Face Protection

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

Skin Protection

Handle with chemical resistant gloves. Gloves must be inspected prior to use. Use proper glove removal technique to avoid skin contact. Dispose of contaminated gloves after use in accordance with applicable

laws and good laboratory practices. Wash and dry hands. Wear protective work clothing (lab coat, long pants) when handling.

Respiratory Protection

Respiratory protection is not required. Where protection from nuisance levels of vapors is desired, use type N95 (US) or P1 (EN143) dust mask.

Control of Environmental Exposure

Do not let product enter drains.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Form: liquid
Color:	Red
Odor:	No data available
Odor Threshold:	No data available
pH:	No data available
Melting Point/Freezing Point:	No data available
Initial Boiling Point and Boiling Range:	No data available
Flash Point:	No data available
Evaporation Rate	No data available
Flammability (solid, gas):	No data available
Upper/lower flammability or explosive limits:	No data available
Vapor Pressure:	No data available
Vapor Density:	No data available
Density:	No data available
Relative Density:	No data available
Water Solubility:	No data available
Partition coefficient - n-octanol/water:	No data available
Autoignition Temperature:	Not applicable
Decomposition Temperature:	No data available
Viscosity:	No data available
Explosive Properties:	Not classified as explosive
Oxidizing Properties:	None
Other Safety Information:	No data available

SECTION 10. STABILITY AND REACTIVITY

Reactivity

No data available

Chemical Stability

The product is stable under standard ambient conditions (room temperature).

Possibility of Hazardous Reactions

Violent reactions possible with: the generally known reaction partners of water.

Conditions to Avoid

No data available

Incompatible Materials

Strong oxidizing agents

Hazardous Decomposition Products

Hazardous decomposition products formed under fire conditions.



SECTION 11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Oral: No data available

Inhalation: No data available

Dermal: No data available

Skin Corrosion / Irritation

No data available

Serious Eye Damage / Irritation

No data available

Respiratory and/or Skin Sensitization

No data available

Carcinogenicity

No data available

Reproductive Toxicity

No data available

Germ Cell Mutagenicity

No data available

STOT (Specific Target Organ Toxicity) - Single Exposure

No data available

STOT (Specific Target Organ Toxicity) - Repeated Exposure

No data available

Aspiration Hazard:

No data available

Additional Information

No data available

Notes

Hazardous properties cannot be discounted but are unlikely if the product is handled appropriately.

SECTION 12. ECOLOGICAL INFORMATION

Toxicity-Mixture

No data available

Persistence and Degradability

No data available

Bioaccumulative potential

No data available

Mobility in Soil

No data available

Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Endocrine Disruption Properties

No data available

Other Adverse Effects

No data available



SECTION 13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Waste material must be disposed of in accordance with federal and local regulations. Handle unclean packaging like the product itself. Disposal must be made according to federal and local regulations.

SECTION 14. TRANSPORT INFORMATION

TDG

Not regulated as a dangerous good.

IMDG

Not dangerous goods.

IATA

Not dangerous goods.

Further Information

Not classified as dangerous in the meaning of transport regulations.

SECTION 15. REGULATORY INFORMATION

This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR) and the SDS contains all the information required by the HPR.

SECTION 16. OTHER INFORMATION

While the information provided above is accurate to the best of our knowledge, it may not cover all aspects comprehensively. This content is intended solely as a guiding reference. The data in this document is derived from our current understanding and applies to the product with regard to its relevant safety measures.

Employers and users should use this information only as a supplement to other information gathered by them and should make an independent judgment of the suitability of this information to ensure proper use and protect the health and safety of their employees. This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.

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