



# Safety Data Sheet

## OkaMatrix™ LDEV-free Reduced Growth Factor Extracted Basement Membrane, Without Phenol Red

### SECTION 1. IDENTIFICATION

**Product Name:** OkaMatrix™ LDEV-free Reduced Growth Factor Extracted Basement Membrane, Without Phenol Red  
**Product Number:** BM-RGF-WPR-1ML/BM-RGF-WPR-5ML/BM-RGF-WPR-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](mailto: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

<b>Appearance:</b>	Form: liquid
<b>Color:</b>	Colorless
<b>Odor:</b>	No data available
<b>Odor Threshold:</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>Evaporation Rate</b>	No data available
<b>Flammability (solid, gas):</b>	No data available
<b>Upper/lower flammability or explosive limits:</b>	No data available
<b>Vapor Pressure:</b>	No data available
<b>Vapor Density:</b>	No data available
<b>Density:</b>	No data available
<b>Relative Density:</b>	No data available
<b>Water Solubility:</b>	No data available
<b>Partition coefficient - n-octanol/water:</b>	No data available
<b>Autoignition Temperature:</b>	Not applicable
<b>Decomposition Temperature:</b>	No data available
<b>Viscosity:</b>	No data available
<b>Explosive Properties:</b>	Not classified as explosive
<b>Oxidizing Properties:</b>	None
<b>Other Safety Information:</b>	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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