



PepGel LLC, 101 BIVAP Innovation Center, 1980 Kimball Ave, Manhattan, KS 66506  
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# SAFETY DATA SHEET

Date: March 2023

## 1. PRODUCT INFORMATION

### 1.1 Product name:

PGmatrix™ Hybrids Kits: PGmatrix-System kits (PGmatrix-Pure (PGP), PGmatrix-DMEM, PGmatrix-MEM(PGM), PGmatrix-L15(PGL), PGmatrix-RPMI(PGR)), PGmatrix-Spheroid kit (PGS), PGmatrix-LiveShip Kit (PGLS), PGmatrix-BioInk Kit (PGInK), PGworks

### Product ID:

PGP, PGD, PGM, PGL, PGR, PGS, PGLS, PGInk, PGworks

### 1.2 Supplier of the safety data sheet:

Company: PepGel LLC  
101 BIVAP Innovation Center  
1980 Kimball Ave  
Manhattan, KS 66506  
Phone: 785-226-6917  
Fax: 785-532-7193  
Email: [info@pepgel.com](mailto:info@pepgel.com)

## 2. HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

Not a hazardous substance or mixture

### 2.2 GHS (Globally Harmonized System) label elements, including precautionary statements

Not a hazardous substance or mixture

### 2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

None

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

Synthetic peptides molecular weight: 500 - 3,500 g/mol

Less than 0.1% inorganic salts

Less than 0.2% proteins and or peptides

No ingredients are hazardous according to OSHA (Occupational Safety and Health Administration) criteria

No components need to be disclosed according to the applicable regulations



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BSE/TSE The products comply with the requirements of Note for Guidance on Minimizing the Risk of Transmitting Animal Spongiform Encephalopathy Agents via Human and Veterinary Medicinal Products (EMA/410/01 Rev 3). This statement is accurate because: a) The components of these products are not manufactured from and do not come into contact with material of animal origin, and/or b) Any animal-derived material used in the manufacture of these products has been processed per the specific conditions of section 6.3 of EMA/410/01 Rev 3.

#### **4. FIRST AID MEASURES**

##### **4.1 Description of first aid measures**

###### **If inhaled**

If breathed in, move the person into fresh air. If not breathing, give artificial respiration.

###### **In case of skin contact**

Wash off with soap and plenty of water

###### **In case of eye contact**

Flush eyes with water as a precaution

###### **If swallowed**

Never giving anything by mouth to an unconscious person. Rinse mouth with water.

##### **4.2 Indication of any immediate medical attention and special treatment needed**

No data available

#### **5. FIREFIGHTING MEASURES**

##### **5.1 Extinguishing media**

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide

##### **5.2 Special hazards arising from the substance or mixture**

Nature of decomposition product not known.

##### **5.3 Advice for firefighters**

Wear self contained breathing apparatus for fire fighting if necessary.

##### **5.4 Further information**

No data available

#### **6. ACCIDENTAL RELEASE MEASURES**

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

Avoid dust formation, avoid breathing vapors, mist or gas

##### **6.2 Environmental precautions**

Do not let product enter drains

##### **6.3 Methods and materials for containment and cleaning up**



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Sweep up and shovel. Keep in suitable, closed containers for disposal

## **7. HANDLING AND STORAGE**

### **7.1 Precautions for safe handling**

There is no known problems with this material related to handling at room temperature. Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet facility.

### **7.2 Conditions for safe storage, including any incompatibilities**

Keep container tightly closed in a dry and well ventilated place.  
Recommended storage temperature: 4 °C

## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

### **8.1 Appropriate engineering controls**

General industrial hygiene practice

### **8.2 Personal protective equipment**

Wear appropriate NIOSH/MSHA (National Institute for Occupational Safety and Health/Mine Safety and Health Administration)-approved respirator, chemical resistant gloves, chemical safety goggles, other protective clothing.

## **9. PHYSICAL/CHEMICAL PROPERTIES**

### **9.1 Appearance:**

Clear liquid

### **9.2 Physical state:**

Liquid

### **9.3 pH:**

Neutral (7.5-8.7 at room temperature)

## **10. STABILITY AND REACTIVITY**

### **10.1 Reactivity:**

No data available

### **10.2 Chemical stability:**

Stable under recommended storage conditions

### **10.3 Hazardous decomposition product:**

No data available

### **10.4 Possibility of hazardous reactions:**

No data available

## **11. TOXICOLOGICAL INFORMATION**



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The toxicological properties of this material has been tested with subcutaneous injection of mice model. There is no toxicological problems have been found. It is unlikely that there will be any toxicological problem of this material. However, appropriate precautions should be taken.

**11.1 Routes of exposure:**

Harm caused by inhalation, ingestion, or skin absorption is undetermined

**11.2 Conditions aggravated by exposure:**

The toxicological properties have not been thoroughly investigated.

**12. ECOLOGICAL INFORMATION**

No data available

**13. DISPOSAL CONSIDERATIONS**

Observe all federal, state, and local environmental regulations

**14. TRANSPORT INFORMATION**

**DOT (Department of Transportation) (US)**

Not dangerous goods

**IMDG (International Maritime Dangerous Goods)**

Not dangerous goods

**IATA (International Air Transport Association)**

Not dangerous goods

**15. REGULATORY INFORMATION**

Questions regarding to this material should be directed to PepGel LLC  
info@pepgel.com

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**16. OTHER INFORMATION**

**Disclaimer:** For R&D use only. Not for drug, household, or other uses.

**Warranty:** The above information is believed to be correct but doesn't purport to be all inclusive and shall be used only as a guide. PepGel LLC shall not be held liable for any damage resulting from handling or from contact with the above product.



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