



Safety Data Sheet

1. Identification

Identification of the Substance

Product code 100-450, 100-451 and 100-452.

Product name BenchMark™, GemCell™(PR), and GemCell Plus™(PR) Human Platelet Lysate.

Company Identification

Gemini Bio Products

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(800) 543-6464

For in vitro use only. CAUTION: Not for human or animal use.

2. Hazards Identification

In accordance with local and national regulations.

The product is classified and labeled in accordance with Directive 1999/45/EC, Regulation (EC) No 1272/2008.

Classification according to EU Directives 67/548/EEC or 1999/45/EC.

European Union

Not hazardous

EU Specific Hazard Statements

R-phrase(s)

None

S-Phrase(s)

None

CAUTION!

While this product is not believed to be toxic, hazardous, or dangerous according to OSHA regulations, all blood products should be treated as potentially infectious and handled as if capable of transmitting infectious agents. When handling, follow appropriate guidelines in accordance with good laboratory hygiene and safety protocols. Appropriate clothing should be worn to limit exposure to eyes, skin, and mucous membranes. Wash hands after use of this product.

3. Composition/Information on Ingredients

Product description	CAS #	EC No	Annex I Index number
Human Platelet Lysate	None	None	None

4. First Aid Measures

Eye Contact	Flush with copious amounts of water. Assure adequate flushing by separating the eyelids with fingers. If irritation occurs, consult a physician.
Skin Contact	Wash with soap and water after each contact. If symptoms occur, consult a physician.
Ingestion	Wash out mouth with water. If swallowed, consult a physician.
Inhalation	Not a likely source of exposure.
Notes to Physician	Treat symptomatically.

5. Fire-Fighting Measures

Suitable Extinguishing Media	Use extinguishing media appropriate to surrounding fire conditions.
Special Protective Equipment for Firefighters	Wear self-contained breathing apparatus and protective suit.

6. Accidental Release Measures

Personal Precautions	Use personal protective equipment.
Environmental Precautions	Should not be released into the environment. If leakage has occurred, prevent further leakage or spillage if safe to do so. See Section 12 for additional information.
Methods for Containment/Clean-up	Soak up with inert absorbent material. After clean-up, disinfect affected area. Dispose in biohazard container.

7. Handling and Storage

Handling	Avoid contact with skin, eyes, and clothing. Wear personal protective equipment.
Storage	Keep containers tightly closed in a dry, cool, and well-ventilated place. Store at $-20^{\circ}\text{C} \pm 10^{\circ}\text{C}$.

8. Exposure Controls/Personal Protection

Engineering Measures	Ensure adequate ventilation, especially in confined areas. Ensure that eyewash stations and safety showers are close to workstation location.
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Personal Protective Equipment

Personal Protective Equipment requirements are dependent on the user institution's risk assessment and are specific to the risk assessment for each laboratory where this material may be used.

Eye Protection	Wear appropriate protective eyeglasses or chemical safety.
Skin/Body Protection	Wear appropriate protective gloves and clothing to prevent skin exposure.
Respiratory Protection	In case of insufficient ventilation, wear suitable respiratory equipment.
Hygiene Measures	Wash thoroughly after handling.
Environmental Exposure Controls	Handle according to local regulations.

9. Physical and Chemical Properties

Physical State	Liquid
Appearance	Yellow-orange
Odor	No information available.
Boiling Point/Range	No data available.
Melting Point/Range	No data available.
Flash Point	Not applicable.
Evaporation Rate	No data available.
Autoignition Temperature	No data available.
Water Solubility	Soluble
Oxidizing Properties	No information available.

10. Stability and Reactivity

Stability	Stable under normal conditions.
Materials to Avoid	No dangerous reaction known under conditions of normal use.
Incompatible Materials	None known.
Hazardous Decomposition Products	None under normal use.
Hazardous Polymerization	Hazardous polymerization does not occur.

11. Toxicology Information

Potentially biohazardous material.

Route of Exposure

Eyes	May cause eye irritation in susceptible persons.
Skin	May cause skin irritation in susceptible persons.
Inhalation	May be harmful if inhaled.
Ingestion	May be harmful if swallowed.
Carcinogenic Effects	No information available.
Mutagenic Effects	No information available.
Reproductive Effects	No information available.
Developmental Effects	No information available.
Teratogenicity	No information available.
Other Adverse Effects	Toxicological properties have not been thoroughly investigated.
Target Organ Effects	No known effects under normal use conditions.

12. Ecological Information

Ecotoxicity Effects	No information available.
Mobility	No information available.
Biodegradation	Inherently biodegradable.
Bioaccumulation	Does not bioaccumulate.

13. Disposal Considerations

Dispose of in accordance with local regulations.

14. Transport Information

RID/ADR	Non-hazardous for road transport.
IMDG	Non-hazardous for sea transport.
IATA	Non-hazardous for air transport.
Proper Shipping Name	Not classified as dangerous in the meaning of transport regulations.
Hazard Class	None
Subsidiary Class	None
Packing Group	None
Un-No	None

15. Regulatory Information

CLASSIFICATION AND LABELING ACCORDING TO EU DIRECTIVES

INDICATION OF DANGER: B

Biohazard



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16. Other Information

The above information is believed to be correct, acquired by search and/or investigation. The information shall not be taken as being all inclusive and is to be used solely as a guide. It does not represent any guarantee of the properties of the product. All materials and mixtures may present unknown hazards and should be used with caution. Gemini BioProducts LLC shall not be held liable for any damage resulting from handling or from contact with the above product. For in vitro use. Not for drug, household, or other use.

