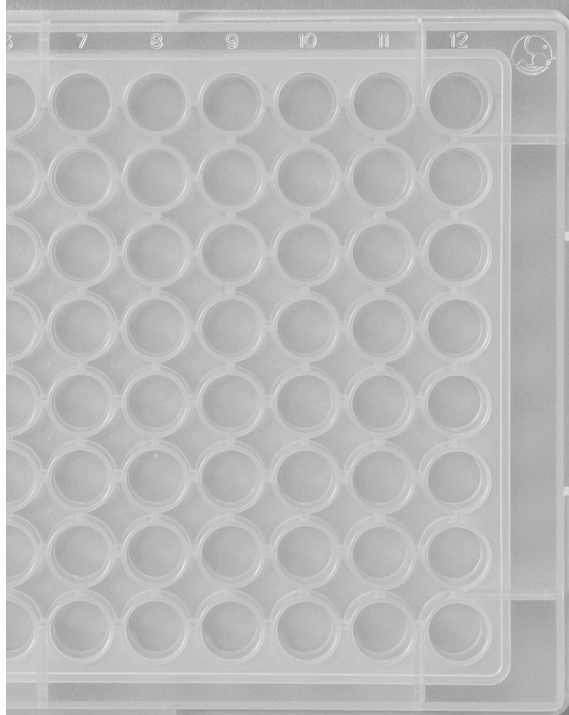


Safety Data Sheet

Green Elephant®
96-well microPLAte
clear



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1. Identification

Product identifiers

Product name: Green Elephant 96-well microPLAte
Product number: GEB-96WPFBT
Brand: Green Elephant Biotech GmbH

Relevant identified uses of the product and uses advised against

Identified uses: For research use only
Uses advised against: No data available

Details of the supplier of the safety data sheet

Company: Green Elephant Biotech GmbH
Kerkrader Straße 9
35394 Gießen
Germany
Telephone: -
E-mail: info@greenebt.com

Emergency telephone number

Emergency phone: +49 (0) 171 5426529

2. Hazards identification

Classification of the substance or mixture: The product contains no hazardous substance.
Other hazards: None



3. Composition/information of ingredients

Mixtures: $\geq 98\%$ Polylactic acid

4. First aid measures

If inhaled: n.a.

In case of skin contact: n.a.

In case of eye contact: n.a.

If swallowed: n.a.

Indication of any immediate medical attention and special treatment needed: n.a.

5. Firefighting measures

Extinguishing media: Suitable extinguishing media. Use alcohol-resistant foam, dry chemical, or carbon dioxide.

Special hazards arising from the substance or mixture: Carbon oxides

Advice for firefighters: Wear self-contained breathing apparatus for firefighting if necessary. Treat it like burning fat.

Further information: No data available



6. Accidental release measures

Personal precautions, protective equipment and emergency procedures:

n.a.

Environmental precautions:

n.a.

Methods and material for containment and cleaning up:

Keep in suitable, closed containers for disposal.

7. Handling and storage

Recommended storage temperature:

Room temperature

8. Exposure controls/ personal protection

Control parameters:

Components with workplace control parameters.

Exposure controls

Appropriate engineering controls:

General industrial hygiene practice.



Personal protective equipment

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 gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.
Body protection:	Impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
Respiratory protection:	Respiratory protection not required. For nuisance exposure use type OV/AG (US) or type ABEK (EU EN 14387) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

9. Physical and chemical properties

Information on basic physical and chemical properties

a) Appearance	Form: 96-well plate
b) Odor	No data available
c) Color	Clear
d) pH	No data available
e) Melting point/freezing point	~ 150 °C
f) Initial boiling point and boiling range	No data available
g) Flash point	No data available
h) Evaporation rate	No data available
i) Flammability (solid, gas)	Fine dust dispersed in air may ignite
j) Upper/lower flammability or explosive limits	No data available
k) Vapor pressure	No data available

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l) Vapor density	No data available
m) Relative density	No data available
n) Water solubility	No data available
o) Partition coefficient: n-octanol/water	No data available
p) Auto-ignition temperature	~ 200 °C
q) Decomposition temperature	~ 250 °C
r) Viscosity	No data available
s) Explosive properties	No data available
t) Oxidizing properties	No data available

Other information:

No data available.

10. Stability and reactivity

Reactivity:	No data available
Chemical stability:	No data available
Possibility of hazardous reactions:	No data available
Conditions to avoid:	Temperatures above auto-ignition.
Incompatible materials:	Oxidizing agents, strong bases
Hazardous decomposition products:	Burning produces obnoxious and toxic fumes, aldehydes, carbon monoxide (CO), carbon dioxide (CO ₂).

11. Toxicological information

Acute toxicity:	No data available
Skin corrosion/irritation:	No data available

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Serious eye damage/eye irritation:	No data available
Respiratory or skin sensitization:	No data available
Germ cell mutagenicity:	No data available
Carcinogenicity:	This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.
Reproductive toxicity:	No data available
Specific target organ toxicity → single exposure:	No data available
Specific target organ toxicity → repeated exposure:	No data available
Aspiration hazard:	No data available

Potential health effects

Inhalation:	May be harmful if inhaled. May cause respiratory tract irritation.
Ingestion:	May be harmful if swallowed.
Skin:	May be harmful if absorbed through skin. May cause skin irritation.
Eyes:	May cause eye irritation.

Signs and symptoms of exposure

To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.

Additional Information:

RTECS:	Not available
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12. Ecological information

Toxicity:	No data available
Persistence and degradability:	To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.
Bioaccumulative potential:	Not expected to bioconcentrate or bioaccumulate.
Mobility in soil:	No data available
Results of PBT and vPv assessment:	No data available
Other adverse effects:	No data available

13. Disposal consideration

Waste treatment methods

Product:	Offer surplus and non-recyclable solutions to a licensed disposal company.
Contaminated packaging:	Dispose of as unused product

14. Transport information

UN number:	ADR/RID: - IMDG: - IATA: -
UN proper shipping name:	ADR/RID: Not dangerous goods IMDG: Not dangerous goods IATA: Not dangerous goods

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Transport hazard class(es):	ADR/RID: - IMDG: - IATA: -
Packaging group:	ADR/RID: - IMDG: - IATA: -
Environmental hazards:	ADR/RID: no IMDG Marine Pollutant: no IATA: no
Special precautions for user:	No data available

15. Regulatory information

Safety, health, and environmental regulations/legislation specific for the substance or mixture:	No data available
Chemical safety assessment:	No data available

16. Endotoxin and cytotoxicity testing

In accordance with EN ISO 10993-11 (2018) Quantitative detection of endotoxin in liquid or eluate using the LAL test (Limulus - Amoebocyte - Test), it was determined that no endotoxins were detected in the eluate of the product "GEB-WP96FBT" using the LAL test. A fever reaction therefore seems unlikely. Summarizing according to EN ISO 10993-5 (2009), the extract of the test product "GEB-96WPFBT" resulted in a cell vitality determined by the neutral red method of more than 70% compared to the blank sample and is therefore to be assessed as non-cytotoxic.



17. Other information

Research use only

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Green Elephant Biotech GmbH shall not be held liable for any damage resulting from handling or from contact with the above product.