

SAFETY DATA SHEET

ELAREM™ Perform-FD PLUS

In accordance with Regulation (EC)
No. 453/2010
Date of issue: 04/2022
Version: 1.0

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier:

Product Name: ELAREM™ Perform-FD PLUS (Research Grade)
Product Numbers: PE30611 | PE30811 | PE31011

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant identified uses: Research Use Only (RUO).
Not for any animal, human or therapeutic use.
Uses advice against: No additional information available

1.3 Details of the supplier of the Safety Data Sheet:

PL BioScience GmbH
Technology Centre Aachen
Dennewartstr. 25-27
52068 Aachen, Germany
Phone +49 241 957 19-100
Fax +49 241 957 19-109
E-mail info@pl-bioscience.com
Web www.pl-bioscience.com

1.4 Emergency telephone number:

Emergency number: +49 241 957 19-100

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

Classification according to Regulation (EC) 1272/2008, the product is not classified as hazardous

2.2 Label elements:

Label elements according to Regulation (EC) 1272/2008, the product does not need to be labelled

2.3 Other hazards:

Not hazardous

CAUTION!

Handle 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.

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

- 3.1 Substances:** Organic compound
Product Description: Human platelet proteins isolated from human platelet component
CAS Number: None
EC Number: None
Annex I Index Number: None
- 3.2 Mixtures:**
 Information not required

SECTION 4: FIRST AID MEASURES

- 4.1 Description of first aid measures:**
General Information: Consult a doctor in case of discomfort with this Security Data Sheet.
Skin Contact: Rinse with soap and plenty of water after each contact.
 If symptoms arise, consult a physician.
Eye Contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. If symptoms occur, consult a physician.
Ingestion: Never give anything by mouth to an unconscious person.
 Wash out mouth with water. Do not induce vomiting without medical advice. If swallowed consult a physician.
Inhalation: Move to fresh air. If symptoms persist, consult a physician. If not breathing, give artificial respiration.
- 4.2 Most important symptoms and effects, both acute and delayed:**
 Acute and delayed effects are indicated in section 11.
- 4.3 Indication of any immediate medical attention and special treatment needed:**
 Treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

- 5.1 Extinguishing media:**
 Suitable Extinguishing Media: use extinguishing media appropriate for surrounding fire.
- 5.2 Special hazards arising from the substance or mixture:**
Fire hazard: Not flammable.
Explosion hazard: Product is not explosive.
Reactivity: Stable at ambient temperature and under normal conditions of use.
- 5.3 Advice for fire fighters:**
Precautionary measures fire: Exercise caution when fighting any chemical fire.
Firefighting instructions: Use water spray or fog for cooling exposed containers.

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Protection during firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel: Use personal protective equipment. Avoid contact with eyes and skin.
For emergency responders: Use personal protective equipment. Avoid contact with eyes and skin.

6.2 Environmental precautions:

This product is not classified as dangerous to the environment. Keep product away from drains, surface and underground water.

6.3 Methods and material for containment and cleaning up:

Methods and material for containment: Soak up with inert absorbent material.
After clean-up, disinfect affected area.
Deposit in appropriate containers for removal and disposal.

Methods and material for cleaning up: Soak up with inert absorbent material.
After clean-up, disinfect affected area.
Deposit in appropriate containers for removal and disposal.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

Recommendations shall be specified to: Avoid contact with skin, eyes and clothing.
Wear personal protective equipment.
Keep away from heat. Keep away from sources of ignition.
Ground all equipment containing material.

Advice on general occupational hygiene shall be provided:

Avoid contact with skin, eyes and clothing.
Wear personal protective equipment.
Ground all equipment containing material.
Remove contaminated, saturated clothing immediately.
Do not eat, drink or smoke when using this product.

7.2 Conditions for safe storage, including any incompatibilities:

Storage conditions: Keep container tightly closed. Keep container in a dry, cool, well-ventilated area.
Store at -20°C to -40°C.

7.3 Specific end use(s):

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Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the work environment.
 There are no environmental limits for the substances contained in the product.

8.2 Exposure controls: None

Appropriate engineering controls: None

Information on System Design: None

Personal Protective Equipment:

Respiratory Protection: No.

Hand Protection: Use protective gloves.

Eye Protection: Goggles.

Skin Protection: No.

Further Information: The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Thermal hazards: None.

Environmental exposure controls: None.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

Appearance:	Liquid
Odour:	Non-applicable
Odour threshold:	Non-applicable
pH:	7.0-9.0
Melting point:	Non-applicable
Initial boiling point:	Non-applicable
Boiling range:	Non-applicable
Flash point:	Non-applicable
Evaporation rate:	Non-applicable
Flammability (solid, gas):	Non-applicable
Upper flammability limits:	Non-applicable
Lower flammability limits:	Non-applicable
Vapour pressure:	Non-applicable
Vapour density:	Non-applicable
Relative density:	Non-applicable
Solubility:	Soluble
Auto-ignition temperature:	Non-applicable
Decomposition temperature:	Non-applicable
Viscosity:	Non-applicable

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Explosive properties: Non-applicable
Oxidising properties: Non-applicable

9.2 Other information:

Thermal decomposition: Non-applicable
Vapour density: Non-applicable
Evaporation rate: Non-applicable
Surface tension at 20°C: Non-applicable
Refraction index: Non-applicable

SECTION 10: STABILITY AND REACTIVITY

10.1 **Reactivity:** No hazardous reactions are expected.
10.2 **Chemical stability:** Stable at normal conditions.
10.3 **Possibility of hazardous reaction:** None
10.4 **Conditions to avoid:** No dangerous reaction known under conditions of normal use.
10.5 **Incompatible materials:** No data available.
10.6 **Hazardous decomposition:** No dangerous decomposition products when properly handled.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects:

Mixtures

Acute toxicity:

Skin corrosion/irritation: May cause skin irritation in susceptible person
Serious eye damage/irritation: May cause eye irritation in susceptible person
Inhalation: May be harmful if inhaled
Ingestion: May be harmful if swallowed

Subacute/Chronic toxicity:

Carcinogenicity: Not classified
Mutagenicity: Not classified
Teratogenicity: Not classified
Narcotic effects: Not classified
Reproductive effects: Not classified
Developmental effects: Not classified

Ingredients:

Acute toxicity: Not classified
Subacute/Chronic toxicity: Not classified
Other adverse effects: Toxicological properties have not been thoroughly investigated.
Target organ effects: No known effects under normal use conditions

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SECTION 12: ECOLOGICAL INFORMATION

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|------|--|-------------------------------|
| 12.1 | Toxicity: | No information available |
| 12.2 | Persistence and degradability: | The product is biodegradable. |
| 12.3 | Bioaccumulative potential: | Does not bioaccumulate. |
| 12.4 | Mobility in soil: | Does not bioaccumulate. |
| 12.5 | Results of PBT and vPvB assessment: | |
| | Persistent, bioaccumulative and toxic substances (PBT-substances): | None. |
| | Very persistent and very bioaccumulative substances (vPvB-substances): | None. |
| 12.6 | Other adverse effects: | None. |

SECTION 13: DISPOSAL CONSIDERATIONS

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|------|--------------------------|---|
| 13.1 | Waste treatment methods: | Dispose of in accordance with local, regional, national, provincial, territorial and international regulations. |
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SECTION 14: TRANSPORT INFORMATION

In accordance with ADR / RID / ADNR / IMDG / ICAO / IATA

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|------|---|---|
| 14.1 | UN number: | Not classified as dangerous in the meaning of transport regulations |
| 14.2 | UN proper shipping name: | Not classified as dangerous in the meaning of transport regulations |
| 14.3 | Transport hazard class(es): | Not classified as dangerous in the meaning of transport regulations |
| 14.4 | Packing group: | Non-applicable |
| 14.5 | Environmental hazards: | Non-applicable |
| 14.6 | Special precautions for user: | Non-applicable |
| 14.7 | Transport in bulk according to AnnexII of MARPOL73/78 and the IBC Code: | Non-applicable |

SECTION 15: REGULATORY INFORMATION

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|------|---|--|
| 15.1 | Safety, health and environmental regulations/legislation specific for the substance or mixture: | No known hazards.
No REACH Annex XVII restrictions.
Contains no REACH candidate substance. |
| 15.2 | Chemical safety assessment: | No chemical safety assessment has been carried out |

SECTION 16: OTHER INFORMATION

Research Use Only (RUO). Not for any animal, human or therapeutic use. The above information is believed to be correct to the best of our knowledge but does not purport to be all-inclusive and shall be used only 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. PL BioScience GmbH shall not be held liable for any direct, indirect, consequential or incidental damages resulting from handling or from contact with the above product.