

In accordance with Regulation (EC)
No. 453/2010
Date of issue: 11/2020
Version: 1.0

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

1.1 Product identifier:

Product Name: ELAREM™ Supplement
Product Numbers: SU10210
SU10220

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

Relevant identified uses: For *in vitro* and manufacturing use only.
Not for direct therapeutic, drug, household or other use.
Uses advice against: No additional information available

1.3 Details of the supplier of the safety data sheet:

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Technology Centre Aachen
Dennewartstraße 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:

Not a hazardous substance or mixture according to the Globally Harmonized System (GHS)

2.2 Label elements:

Not a hazardous substance or mixture

2.3 Other hazards:

No data available

CAUTION!

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.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

- 3.1 Substances:**
Non-applicable
- 3.2 Mixtures:**
No components need to be disclosed according to the applicable regulations.

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:**
No data available.

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. |
| 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 4°C
- 7.3 Specific end use(s):**
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: Clear, colorless to yellowish liquid

Odour: Non-applicable

Odour threshold: Non-applicable

pH: 5.5-7.7

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: Non-applicable

Auto-ignition temperature: Non-applicable

Decomposition temperature: Non-applicable

Viscosity: Non-applicable

Explosive properties: Non-applicable

Oxidising properties: Non-applicable

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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 data available
10.2	Chemical stability:	No data available
10.3	Possibility of hazardous reaction:	No data available
10.4	Conditions to avoid:	No data available
10.5	Incompatible materials:	No data available
10.6	Hazardous decomposition:	No data available

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects:

Mixtures

Acute toxicity:

Skin corrosion/irritation:	No data available
Serious eye damage/irritation:	No data available
Inhalation:	LD50 Mouse > 5000 mg/kg subcutaneous injection
Ingestion:	No data available

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

SECTION 12: ECOLOGICAL INFORMATION

12.1	Toxicity:	No data available
12.2	Persistence and degradability:	No data available

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- 12.3 **Bioaccumulative potential:** No data available
- 12.4 **Mobility in soil:** No data available
- 12.5 **Results of PBT and vPvB assessment:**
 Persistent, bioaccumulative and toxic substances (PBT-substances):
 No data available
 Very persistent and very bioaccumulative substances (vPvB-substances):
 No data available
- 12.6 **Other adverse effects:** No data available

SECTION 13: DISPOSAL CONSIDERATIONS

- 13.1 **Waste treatment methods:** Dispose of in accordance with local, regional, national, provincial, territorial and international regulations.

SECTION 14: TRANSPORT INFORMATION

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

- 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:** No data available
- 14.5 **Environmental hazards:** No data available
- 14.6 **Special precautions for user:** No data available
- 14.7 **Transport in bulk according to AnnexII of MARPOL73/78 and the IBC Code:**
 No data available

SECTION 15: REGULATORY INFORMATION

- 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

For *in vitro* and manufacturing use only. Not for direct therapeutic, drug, household or other 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.