LYSANTUM
Powered by Belgian Red Cross

SAFETY DATA SHEET

Human Platelet Lysate

1. Identification

Product name	Lysantum Ultra – Human Platelet Lysate (hPL)
Type/grade	Research grade, xeno-free, fibrinogen-depleted, heparin-free
Intended use	Cell culture supplement
Reference number	P480R, P480R-0500, P480T
Manufacturer/Supplier	Rode Kruis Vlaanderen TReC Production Ottergemsesteenweg 413 9000 Gent Belgium
Emergency telephone	+32 92 44 56 58

2. Hazards Identification

Classification

Not classified as hazardous

Label elements

No pictograms; no H/P statements required

Other hazards

Contains human-derived material - treat as potentially infectious

3. Composition/Information on Ingredients

Not a hazardous substance

4. First Aid Measures

Inhalation	Move to fresh air; monitor breathing
Skin contact	Remove contaminated clothing; wash with soap and water
Eye contact	Rinse with plenty water for ≥15 minutes; remove contact lenses if present
Ingestion	Rinse mouth; drink water; seek medical help if feeling unwell

Most important symptoms and effects, both acute and delayed

No information available

Indication of any immediate medical attention and special treatment needed

Treat symptomatically

5. Firefighting Measures

Suitable extinguishing media	Water mist, CO_2 (use media appropriate for surrounding fire)
Unsuitable extinguishing media	No limitations of extinguishing agents are given
Specific hazards arising from the substance	No information available
Explosion data	None
Protective equipment for firefighters	Self-contained breathing apparatus (SCBA) and full protective gear recommended

6. Accidental Release Measures

Personal precautions	Wear gloves, lab coat, eye protection, do not breathe vapours, aerosols.
Environmental precautions	Avoid uncontrolled release; do not let product enter drains; follow institutional procedures
Methods and materials for containment and cleaning up	Absorb with inert material; collect in biohazard container; disinfect surfaces

7. Handling and Storage

Precautions for safe handling	Avoid aerosol formation; apply GLP/GMP where applicable
Conditions for safe storage, including any incompatibilities	Store tightly closed, recommended storage conditions are mentioned on the product label

8. Exposure Controls/Personal Protection

Control Parameters – exposure limits	No exposure limits established for this mixture
Appropriate engineering controls	Eyewash station; safety shower; adequate room ventilation or biosafety cabinet
Eye/face protection	Safety glasses or face shield as risk dictates

Skin protection	Lab coat; disposable nitrile gloves (change regularly)
Respiratory protection	Not normally required; use suitable respirator if aerosol generation cannot be avoided
Hygiene measures	Do not eat/drink in lab; wash hands after handling

9. Physical and Chemical Properties

Information on basic physical and chemical properties	
Physical state	Liquid
Appearance	Yellow to amber liquid
Odor	No data available
pH	6.5–8.5
Melting/freezing point	No data available
Boiling point	No data available
Flash point	No data available
Evaporation rate	No data available
Flammability	No data available
Upper/lower flammability limits	No data available
Vapor pressure	No data available
Vapor density	No data available
Relative density	No data available
Water solubility	No data available
Solubility in other solvents	No data available
Partition coefficient	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity (kinematic/dynamic)	No data available
Explosive properties	No data available
Oxidizing properties	No data available

10. Stability and Reactivity

Reactivity	No data available
Chemical stability	Stable under recommended storage conditions

Possibility of hazardous reactions	None known
Conditions to avoid	None known
Incompatible materials	None known
Hazardous decomposition products	None known

11. Toxicological Information

Information on toxicological effects	
Likely routes of exposure	Skin/eye contact; accidental ingestion; inhalation of aerosols
Acute toxicity (oral/dermal/inhalation)	No data available; 100% unknown acute toxicity
Skin corrosion/irritation	No data available
Serious eye damage/irritation	No data available
Respiratory or skin sensitization	No data available
Germ cell mutagenicity	No data available
Carcinogenicity	No data available
Reproductive toxicity	No data available
STOT – single/repeated exposure	No data available
Aspiration hazard	No data available
Other information	Contains human-derived material; residual infectious risk cannot be completely excluded

12. Ecological Information

Ecotoxicity	No data available
Persistence and degradability	No data available
Bioaccumulation	No data available
Mobility in soil	No data available
Other adverse effects	No data available

13. Disposal Considerations

Product/solutions	Dispose of as biohazard waste according to local/institutional requirements
Contaminated packaging	Treat as biohazard; do not reuse containers

14. Transport Information

Modal/Regulation	Status/Classification
DOT / TDG	Not regulated as dangerous goods
ICAO / IATA (air)	Not regulated as dangerous goods
IMDG (sea)	Not regulated as dangerous goods
ADR / RID (road/rail)	Not regulated as dangerous goods
ADN (inland waterways)	Not regulated as dangerous goods

15. Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture

- Not classified under CLP Regulation
- Subject to regulations for biological materials
- For professional use only

Human Platelet Lysate products are manufactured in the European Union by a qualified blood establishment. Applied standards and requirements: ISO-13485, ISO-20399 and European Pharmacopoeia.

Chemical safety assessment

For this product a chemical safety assessment was not carried out.

16. Other Information

Issue date:

See footnote

Revision:

See footnote

Disclaimer:

The manufacturing process is controlled, traceable, and supported by appropriate quality documentation. The product is intended as a raw material for use in clinical cell therapy applications.

The product is not intended for direct use in animals or humans. Apply GLP according to biosafety regulations.

The information provided is based on current knowledge and is intended to describe the product for the purposes of health, safety and environmental protection. It does not include any guarantee of the properties of the product.

Before using this product, the user is advised and cautioned to make its own determination and assessment of the safety and suitability of the product for the specific use in question and is further advised against relying solely on the information contained herein as it may relate to any specific use or application. It is the ultimate responsibility of the user to ensure that the product is suited, and the

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