Human Platelet Lysate (hPL)

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.

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

1.1 Product identifier

Product Name	Human Platelet Lysate (hPL)
Product code(s)	HPL-601-# HPL-602-# HPL-603-#
CAS No.	Not applicable.
EC No.	Not applicable.
REACH Registration No.	Not known.

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

Identified Use(s)	For in vitro use only
Uses Advised Against	Not for human or animal.

1.3 Details of the supplier of the safety data sheet

Manufacturer	
Company Identification	Life Science Group Ltd
Address of Manufacturer	The Science Centre 1 Blaydon Road Sandy Bedfordshire
Postal code	SG19 1RZ
Telephone:	+44 (0) 1234 889180
Fax	Not known.
E-mail	sales@lifesciencegroup.co.uk
Office hours	08:00 - 18:00
Supplier	
Company Identification	Life Science Group Ltd
Address of Supplier	The science Centre 1 Blaydon Road Sandy, Bedfordshire
Postal code	SG19 1RZ
Telephone:	+44 (0) 1234 889180
Fax	Not known.
E-mail	sales@lifesciencegroup.co.uk
Office hours	08:00 - 18:00

1.4 Emergency telephone number

Emergency Phone No.	+44 (0) 1234 889180
Contact	Jenny Murray

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Not hazardous.

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 infections 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.

2.2 Label elements

Product Name	Human platelet lysate
Hazard Pictogram(s)	None.
Signal Word(s)	None.
Hazard Statement(s)	None.
Precautionary Statement(s)	None.

2.3 Other hazards

None known.

2.4 Additional Information

None.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Human Platelet Lysate (hPL)

3.1 Substances

HAZARDOUS INGREDIENT(S)	CAS No.	EC No. / Registration number(s)	%W/W	Hazard Statement(s)	Hazard Pictogram(s)
Human Platelet Lysate	n/a	n/a	>99	n/a	n/a

3.2 Mixtures

Not applicable.

For full text of H/P Statements see section 16.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

Skin Contact: Wash skin with soap and plenty of water.

Eye Contact: Flush eyes with water as a precaution for at least 15 minutes.

Ingestion: Never give anything by mouth to an unconscious person. Rinse mouth with water. Call medical assistance immediately.

4.2 Most important symptoms and effects, both acute and delayed

None anticipated. Treat symptomatically.

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

4.3 Indication of any immediate medical attention and special treatment needed

No information available.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable Extinguishing media: As appropriate for surrounding fire.

Unsuitable extinguishing media: None.

5.2 Special hazards arising from the substance or mixture

None anticipated.

5.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation. Avoid breathing vapours, mist or gas. Wear suitable gloves if prolonged skin contact is likely.

6.2 Environmental precautions

Soak up spill with inert absorbent material. After clean-up, disinfect affected area. Dispose in biohazard container.

6.3 Methods and material for containment and cleaning up

Dispose as clinical waste.

6.4 Reference to other sections

See Also Section 8, 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Not known.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Storage temperature: -20°C.

Storage life: Stable under normal conditions.

Incompatible materials: None known.

7.3 Specific end use(s)

No information available.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.1.1 Occupational Exposure Limits: Contains no substances with occupational exposure limit values.

8.2 Exposure controls

8.2.1. Appropriate engineering controls: General industrial hygiene practice.

8.2.2. Personal protection equipment



Eye 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.



Respiratory protection — Respiratory protection not required. For nuisance exposures 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).



Thermal hazards — None known.

8.2.3. Environmental Exposure Controls — Do not release large quantities into the surface water or into drains.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Liquid. Colour : yellow-orange
Odour	Not known.
Odour threshold	Not known.
pH	Not known.
Melting point/freezing point	Not known.
Initial boiling point and boiling range	Not known.
Flash Point	Not known.
Evaporation rate	Not known.
Flammability (solid, gas)	Not known.
Upper/lower flammability or explosive limits	Not known.
Vapour pressure	Not known.
Vapour density	Not known.
Density (g/ml)	Not known.
Relative density	Not known.
Solubility(ies)	Not known.
Partition coefficient: n-octanol/water	Not known.
Auto-ignition temperature	Not known.
Decomposition Temperature (°C)	Not known.
Viscosity	Not known.
Explosive properties	Not known.
Oxidising properties	Not known.

9.2 Other information

None.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

No information available.

10.2 Chemical Stability

No information available.

10.3 Possibility of hazardous reactions

No information available.

10.4 Conditions to avoid

No information available.

10.5 Incompatible materials

Strong oxidising agents.

10.6 Hazardous decomposition products

No information available.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity - Ingestion	No information available.
Acute toxicity - Skin Contact	No information available.
Acute toxicity - Inhalation	No information available.
Skin corrosion/irritation	No information available.
Serious eye damage/irritation	No information available.
Skin sensitization data	No information available.
Respiratory sensitization data	No information available.
Germ cell mutagenicity	No information available.
Carcinogenicity	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
Reproductive toxicity	No information available.
Lactation	No information available.
STOT - single exposure	No information available.
STOT - repeated exposure	No information available.
Aspiration hazard	No information available.

11.2 Other information

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

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Toxicity - Aquatic invertebrates	No information available.
Toxicity - Fish	No information available.
Toxicity - Algae	No information available.
Toxicity - Sediment Compartment	No information available.
Toxicity - Terrestrial Compartment	No information available.

12.2 Persistence and degradability

No information available.

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

No information available.

12.6 Other adverse effects

No information available.

SECTION 13: DISPOSAL CONSIDERATIONS

Potentially biohazardous.

13.1 Waste treatment methods

Observe all local and government environmental regulations.

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

13.2 Additional Information

No information available.

SECTION 14: TRANSPORT INFORMATION

14.1 UN number

n/a

14.2 UN proper shipping name

ADR/RID: Not dangerous goods.
IMDG: Not dangerous goods.
IATA: Not dangerous goods.

14.3 Transport hazard class(es)

None

14.4 Packing group

None

14.5 Environmental hazards

ADR/RID: No
IMDG Marine pollutant: No
IATA: No

14.6 Special precautions for user

Not known

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Human Platelet Lysate (hPL)

Harmonised tariff code: 3002 1098

SECTION 15: REGULATORY INFORMATION

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

United Kingdom Regulations - Authorisations and/or Restrictions On Use	
UK REACH Candidate List of Substances of Very High Concern for Authorisation	Not listed
UK REACH Authorisation List (Annex XIV) list of substances subject to authorisation	Not listed
UK REACH Restrictions List (Annex XIV) Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	Not listed
The Persistent Organic Pollutants Regulations 2007 (SI 2007/3106) as amended	Not listed
The Ozone-Depleting Substances and Fluorinated Greenhouse Gases (Amendment etc.) (EU Exit) Regulations 2019 (SI 2019/583)	Not listed
The Prior Informed Consent (PIC) Regulations concerning the export and import of hazardous chemicals SI2008/2108 as amended	Not listed
European Regulations - Authorisations and/or Restrictions On Use	
Community Rolling Action Plan (CoRAP)	Not listed

15.2 Chemical Safety Assessment

United Kingdom	A REACH chemical safety assessment has not been carried out.

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements:

LEGEND

Hazard Pictogram(s)	None.
Hazard classification	None.
Hazard Statement(s)	None.
Precautionary Statement(s)	None.
Acronyms	ATE : Acute Toxicity Estimate CAS : Chemical Abstracts Service DNEL : Derived No Effect Level EC : European Community EINECS : European Inventory of Existing Commercial Chemical Substances LTEL : Long term exposure limit PBT : Persistent, Bioaccumulative and Toxic PNEC : Predicted No Effect Concentration REACH : Registration, Evaluation, Authorisation and Restriction of Chemicals STEL : Short term exposure limit STOT : Specific Target Organ Toxicity vPvB : very Persistent and very Bioaccumulative
Key literature references and sources for data used to compile the SDS	GB CLP Regulation, UK SI 2019/720 and UK SI 2020/1567
Disclaimers	Information contained in this publication or as otherwise supplied to Users is believed to be accurate and is given in good faith, but it is for the Users to satisfy themselves of the suitability of the product for their own particular purpose. Life Science Group Ltd gives no warranty as to the fitness of the product for any particular purpose and any implied warranty or condition (statutory or otherwise) is excluded except to the extent that exclusion is prevented by law. Life Science Group Ltd accepts no liability for loss or damage (other than that arising from death or personal injury caused by defective product, if proved), resulting from reliance on this information. Freedom under Patents, Copyright and Designs cannot be assumed.