



L. CORNELISSEN & SON

SAFETY DATA SHEET

September 2025 (Ed.2, rev.2)

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1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PEARL GLUE

1.2 Use of the specimen:

Collagen hydrolyzate in pearl form, primarily used in the glueing/ processing of wood and paper materials and as a binder.

1.3 Company/enterprise identification:

L. Cornelissen & Son

105 Great Russell Street, London, WC1B 3RY

1.4 Emergency telephone number:

2. HAZARDS IDENTIFICATIONS

2.1 Classification of the substance or mixture:

Any physical/chemical effect is harmful to human health or environment

2.2 Label elements:

Symbols: none

Hazard indication: none

Safety advice: none

Special dispositions: none

This product is not considered dangerous according to Regulations EC 1272/2008 (CLP)

Any special disposition in accordance with XVII Annex of REACH and its subsequent adjustments.

2.3 Other dangers:

The substance did not meet the criteria for classification as PBT or vPvB when this Safety Data Sheet has been drawn up.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances: no hazardous components according to CLP Regulations and its classification.

3.2 Mixtures: n.a.

4. FIRST AID MEASURES

4.1 Description of first aid measures:

4.1.1 In case of skin contact wash with water. In case of contact with eyes wash immediately with plenty of clean, fresh water for 10 minutes and seek medical help if necessary. In case of ingestion drink plenty of water and seek medical advice showing the MSDS.

4.1.2 Any special measure is required for this substance.

4.2 Main symptoms and effects, both acute and delayed:



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For this substance, any acute nor delayed effect is currently known.

4.3 Indications on the possible need to call immediately for a doctor or to make special treatments:

Refer to section 4.1.1 if medical assistance is required.

5. FIRE FIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media: water, CO₂, foam, dry powers according to the materials involved in the fire.

Unsuitable extinguishing media: none.

5.2 Special hazards arising from the substance:

The combustion may develop dark and dense smokes containing carbon monoxide, carbon dioxide and not identified toxicological and/or irritant compounds. Avoid to inhale smokes.

5.3 Advice for firefighters:

Always wear a protective equipment. Use a protective helmet with visor, fireproof clothing, working gloves, an overpressure mask with a lid covering all the operator's face or the respirator in case of large amounts of smoke.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment in case of emergency:

6.1.1 For non-emergency personnel:

Evacuate the contaminated area. Do not intervene if not properly educated about what to do.

6.1.2 For emergency personnel:

Use a filter respirator for organic vapors. For hands protection use neoprene or polyethylene gloves. For eyes use protective glasses with face-shield. Wear usual working clothes for body protection.

6.2 Environmental precautions:

Avoid environmental scattering. Prevent entry into the drainage system or on surface water.

6.3 Methods and materials for containment and cleaning up:

6.3.1 Mode to contain a spill:

Contain the spillage by using earth, sand or other inert absorbent material.

6.3.2 Procedure of drainage of a spill:

Dispose of the contaminated absorbent material and afterwards clean up with water.

6.3.3 Any other information relating to spills and releases:

none

6.4 References to other sections:

For further information on personal protective equipment and on disposal procedures, refer to sections 8 and 13 of this Safety Data Sheet.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling:

7.1.1 Provide good ventilation in the workplace.

7.1.2 Keep away from heat sources and protected from direct sunlight.



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7.2 Conditions for safe storage, including any incompatibilities:

7.2.1 Any risks associated with explosive atmospheres, corrosive conditions, dangers of flammability, evaporation conditions, potential ignition sources is currently known

7.2.2 Store in a cool, well-ventilated place to temperatures possibly not exceeding 30°C

7.2.3 The product is stable in normal conditions of use and storage

7.2.4 Use original and undamaged packaging

7.3 Specific end uses: none

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Checking parameters:

This product does not contain substances with occupational exposure limit values.

8.2 Exposure controls:

8.2.1 Appropriate technical controls: work in accordance with good industrial hygiene practices

8.2.2 Individual protection measures, such as personal protective equipments:

8.2.2.1 Keep personal protective equipment as reported in the instruction manual

8.2.2.2 For eyes protection use hermetic protection glasses. For hands protection use neoprene or polyethylene gloves.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state and colour:	solid in pearls of brown color
Odour:	Typical
pH:	5 – 7
Boiling point:	n.a.
Flammability point:	n.a.
Flammability:	not flammable
Explosive properties:	n.a.
Combustion properties:	n.a.
Vapour pressure:	n.a.
Relative density: Water solubility:	100%
Partition coefficient n-octanol / water:	n.a.
Viscosity of 12% water solution (Brookfield):	ca. 40mP (60°C)
Vapour density:	n.a.

9.2. Other information

Miscibility: Not available

Conductivity: Not available

No other relevant information

10. STABILITY AND REACTIVITY

10.1 Reactivity:



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- 10.1.1** The product is stable if used according to the instructions contained in this Safety Data Sheet
- 10.1.2** Avoid contact with aldehydes, that cause the formation of a thermally irreversible gel with the consequent loss of the characteristics of adhesiveness required and alteration of the chemical-physical characteristics expressed in point (9).
- 10.2 Chemical stability:** The substance is stable in normal conditions of use and storage.
- 10.3 Possibility of hazardous reactions:** No hazards to be specially mentioned.
- 10.4 Conditions to avoid:** none in particular.
- 10.5 Incompatible materials:** none in particular.
- 10.6 Hazardous decompositions products:** Heat can release carbon oxides.

11. TOXICOLOGICAL INFORMATION

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Toxicological Information of the Preparation

a) acute toxicity	Not classified Based on available data, the classification criteria are not met
b) skin corrosion/irritation	Not classified Based on available data, the classification criteria are not met
c) serious eye damage/irritation	Not classified Based on available data, the classification criteria are not met
d) respiratory or skin sensitisation	Not classified Based on available data, the classification criteria are not met
e) germ cell mutagenicity	Not classified Based on available data, the classification criteria are not met
f) carcinogenicity	Not classified Based on available data, the classification criteria are not met
g) reproductive toxicity	Not classified Based on available data, the classification criteria are not met
h) STOT-single exposure	Not classified Based on available data, the classification criteria are not met
i) STOT-repeated exposure	Not classified Based on available data, the classification criteria are not met
j) aspiration hazard	Not classified Based on available data, the classification criteria are not met.

11.2. Information on other hazards

Endocrine disrupting properties: No endocrine disruptor substances present in concentration $\geq 0.1\%$

12. ECOLOGICAL INFORMATION

12.1. Toxicity

N.A.

12.2. Persistence and degradability

N.A.

12.3. Bioaccumulative potential

N.A.

12.4. Mobility in soil

N.A.



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12.5. Results of PBT and vPvB assessment

No PBT, vPvB or endocrine disruptor substances present in concentration $\geq 0.1\%$

12.6. Endocrine disrupting properties

No endocrine disruptor substances present in concentration $\geq 0.1\%N.A.$

12.7. Other adverse effects

Not available

13. DISPOSAL CONSIDERATIONS

13.1 Procedure for disposal:

Recycle if possible. Dispose in accordance with local, regional, national regulations. 91/156/EEC, 91/689/EEC, 94/62/EC and subsequent adjustments.

14. TRANSPORT INFORMATION

Not classified as dangerous in the meaning of transport regulations.

14.1. UN number or ID number

Not Applicable

14.2. UN proper shipping name

Not Applicable

14.3. Transport hazard class(es)

Not Applicable

14.4. Packing group

Not Applicable

14.5. Environmental hazards

Not Applicable

14.6. Special precautions for user

Not Applicable

Road and Rail (ADR-RID):

Not Applicable

Air (IATA):

Not Applicable

Sea (IMDG):

Not Applicable

14.7. Maritime transport in bulk according to IMO instruments

Not Applicable

15. REGULATORY INFORMATION

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

Dir. 98/24/EC (Risk related to chemical agent at work)

Dir. 2000/39/EC (Occupational exposure limit values)

D.M. 03/04/2007 (Implementation of the Directive n. 2006/8/EC)

Regulation (EC) n. 1907/2006 (REACH)

Regulation (EC) n. 2020/878

Regulation (EC) n. 1272/2008 (CLP)

Regulation (EC) n. 790/2009 (ATP 1 CLP) and (UE) n. 758/2013

Regulation (EU) n. 286/2011 (ATP 2 CLP)

Regulation (EU) n. 618/2012 (ATP 3 CLP)

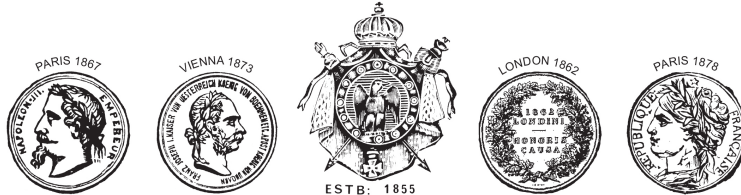
Regulation (EU) n. 487/2013 (ATP 4 CLP)

Regulation (EU) n. 944/2013 (ATP 5 CLP)

Regulation (EU) n. 605/2014 (ATP 6 CLP)

Regulation (EU) n. 2015/1221 (ATP 7 CLP)

Regulation (EU) n. 2016/918 (ATP 8 CLP)



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Regulation (EU) n. 2016/1179 (ATP 9 CLP)
Regulation (EU) n. 2017/776 (ATP 10 CLP)
Regulation (EU) n. 2018/669 (ATP 11 CLP)
Regulation (EU) n. 2019/521 (ATP 12 CLP)
Regulation (EU) n. 2018/1480 (ATP 13 CLP)
Regulation (EU) n. 2020/217 (ATP 14 CLP)
Regulation (EU) n. 2020/1182 (ATP 15 CLP)
Regulation (EU) n. 2021/643 (ATP 16 CLP)
Regulation (EU) n. 2021/849 (ATP 17 CLP)
Regulation (EU) n. 2022/692 (ATP 18 CLP)
Provision related to directive EU 2012/18 (Seveso III): none

Restrictions related to the product or to the contained substances according to Annex XVII of Regulation (EC) No. 1907/2006 (REACH) and subsequent modifications:

Restrictions related to the product: none

Restrictions related to the contained substances: none

SVHC substances:

none

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for the mixture

16. OTHER INFORMATION

Main bibliographic sources:

NIOSH - Registry of toxic effects of chemical substances

ECDIN - Environmental Chemical Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX'S - Dangerous properties of industrial materials

National Institute of Health - National Inventory Chemical Substances

The information contained herein is based on our knowledge at the above-specified date. They refer solely to the product indicated and constitute no guarantee of particular quality. The user must verify the suitability and integrity of such information in relation to the specific use to be done. The use of this product is not subject to our direct control; therefore, users must comply under their own responsibility, with the laws and regulations in force on health and safety. We do not assume responsibility for improper use.

This data sheet integrates the technical sheet but does not replace it.

This MSDS cancels and replaces any preceding release.