



L. CORNELISSEN & SON

Artists' Colourmen

Suppliers of Materials for Painters, Gilders & Printmakers

Safety Data Sheet according to Directive 91/155/EC

Revision Date: November 2013

1) Identification of the substance/preparation and the company

Trade Name: Cornelissen Pearl Glue.

Application: Artists' Adhesive

Manufacturer/Supplier:

L Cornelissen & Son Ltd
105 Great Russell Street
London WC1B 3RY

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www.cornelissen.com

2) Composition/Information on ingredients

Light brown or brown granules or powder. The main ingredient is gluten. Gluten is a protein which belongs to scleroproteins. It also contains non-hazardous additives in very small concentrations.

Hazardous ingredients: None.

3) Hazards Identification

No special hazards for human beings or the environment.

4) First Aid Measures

If inhaled: If used according to directions, there will be no development of harmful fumes.

In case of skin contact: Without burning (scalding) for hygienic reasons, we recommend washing the affected area with water and soap. In the case of a burn proceed as when treating a burn caused by harmless fluids.

In case of eye contact: Rinse open eye immediately with plenty of water. Seek medical advice.

If swallowed: Ingestion of large amounts can cause health problems. Seek medical advice.

Directions for the medical practitioner: The main ingredients are readily digestible or inert.

Most important symptoms and effects, both acute and delayed: N/A

Indication of any immediate medical attention and special treatment needed: N/A

5) Fire Fighting Measures

Directions: The preparation has self-extinguishing properties and does not pose a fire hazard.

Extinguishing media

Suitable extinguishing media: Use measures for the surrounding fire.

Special hazards arising from the substance or mixture

Specific hazards during firefighting: Not known

Advice for fire fighters

Special protective equipment for fire fighters: None.

6 Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures

Personal precautions: The solid preparation does not pose any handling hazards in the delivery state and at ambient temperature. However it is intended for use in water-based preparation at 60°C. Therefore avoid skin and eye contact of the molten preparation.

Environmental precautions

Environmental precautions: The preparation is solid at ambient temperatures. In this state no special environmental protection measures have to be taken.

Methods and Materials for Containment and Cleaning Up

Methods and materials: The preparation may be swept up mechanically.

Additional directions: The preparation shows moisture expansion in cold water. In warm water (>35°C) it dissolves. It readily degrades in adapted biological purification plants.

7) Handling and Storage

Precautions for Safe Handling

Advice on safe handling: No special directions.

Directions for fire and explosion protection: No fire or explosion hazard.

Safe Storage

Storage conditions: Store in a cool and dry place for best storage stability.

Storage classification: Non-hazardous material.

8) Exposure/Personal Protection

Exposure Controls

Appropriate engineering controls: None

Control Parameters: None

Personal protective equipment

General: None.

Eye/face protection: Use of protective goggles is recommended when directly handling the preparation in the molten water-based preparation.

Skin protection: Use of protective gloves, for example thermally insulated rubber gloves, is recommended when directly handling the preparation in the molten water-based preparation.

Body Protection: No special protection of body required.

Respiratory protection: Use of dust respirator is recommended when dust develops.

9) Physical and chemical Properties

Form: Granules or coarse powder

Colour: Light brown to brown

Odour: Typical/mild

Odour Threshold: N/A

pH at 60°C in 12.5% solution: 5.5-7.5

Flash point: 200°C

Change of state solid/fluid: Carbonisation at temperatures > 200 °C.

Evaporation rate: N/A

Flammability (solid, gas): N/A – self extinguishing

Explosion hazard: N/A

Vapour pressure: Not established

Relative vapour density: N/A

Density at 20°C: 0.5-0.8 g/m³

Water solubility: Unlimited miscibility. (Insoluble in organic solvents and grease)

Auto-ignition temperature: N/A

Viscosity: Solid material

10) Stability and Reactivity

Reactivity:	No information available.
Chemical stability:	Stable under normal conditions.
Possibility of hazardous reactions:	None known.
Conditions to avoid:	Long-term exposure to temperatures above 65°C will lead to thermal degradation of the gluten molecule without dangerous reactions in the water-based preparation.
Incompatible materials:	None known.
Hazardous decomposition products:	None known.
Other information:	Heating up to 200-300°C will cause carbonization and puff-up of the preparation. After removing the heating source the preparation shows self-extinguishing properties.

11) Toxicological Information

Information on toxicological effects

Acute toxicity:	No ingredients with compulsory identification.
Skin corrosion/irritation:	No effects known.
Eye irritation:	No effects known.
Respiratory or skin sensitization:	No effects known.
Additional toxicological information:	None.

12) Ecological Information

Persistence and degradability:	According to our experience completely biodegradable.
Bio accumulative potential:	No data available
AOX-related directions:	Contains negligibly small amounts of halogen-organic compounds.
Formulations contain neither heavy metals nor heavy metal compounds, and comply with EN 71-3 (Safety of toys, Part 3: Migration of specific elements).	
General directions:	None.
Ecological effects	
Aquatic toxicity:	No data available

13) Disposal Information

Waste Treatment Methods

The preparation is degradable and compostable, washing water may be discharged to communal purification plant.

Waste code number under European Catalogue of Wastes: 080403

Wastes of water-miscible adhesives and packing compound (not subject to monitoring).

14) Transport Information

Non-Hazardous goods.

15) Regulatory Information

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

No compulsory identification under EC directives and national regulations.

Water hazard class: 1, self-classification.

Chemical Safety Assessment: No data available.

16) Other information

This product should be stored, handled and used in accordance with good hygiene practices and in conformity with any legal regulations.

To best of our knowledge the information contain herein is accurate. However, neither the above supplier assumes any liability whatsoever for the accuracy or completeness of the information herein

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist