



# L. CORNELISSEN & SON

Artists' Colourmen

*Suppliers of Materials for Painters, Gilders & Printmakers*

## Safety Data Sheet according to Directive 91/155/EC

**Revision Date: January 2017**

### 1) Identification of the substance/preparation and the company

**Trade Name:** Cornelissen Zinc White Pigment

**Application:** Artists' Pigment

**Manufacturer/Supplier:**

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

**Tel:** 020 7636 1045

**Fax:** 020 7636 3655

**www.cornelissen.com**

### 2) Hazards Identification

#### Classification

Hazardous to the aquatic environment, hazard category 1 Very toxic to aquatic life with long lasting effects.

H41

Cat.: 1

#### Label Elements

Hazard designation: GHS09-1



Signal word:

**Warning**

**Hazard designation:**

H410

Very toxic to aquatic life with long lasting effects.

**Safety designation:**

P273	Avoid release to the environment.
P391	Collect spillage
P501	Dispose of contents/ container according to regional, national and international regulations.

**Hazardous components for labelling:**

N/A

**Other Hazards**

N/A

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**3) Composition/Information on ingredients**

Zinc White	PW4	CAS No: 1314-13-2
Pure Zinc Oxide		

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**4) First Aid Measures**

Eye contact:	Rinse open eye for several minutes under running water. Should irritation continue, seek medical advice.
Skin contact:	Remove contaminated clothing. Wash off immediately with plenty of water and soap. If irritation continues consult a physician.
Inhalation:	In case of allergic symptoms, especially respiratory tract related, seek medical help immediately. Remove subject to fresh air.
Ingestion:	Rinse mouth thoroughly with plenty of water and drink plenty of water. Consult a physician.

**Most important Symptoms and Effects, both Acute and Delayed**

Symptoms:

No further information available.

**Indication of any Immediate Medical Attention and special Treatment needed**

N/A

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**5) Fire Fighting Measures**

**Extinguishing Media**

Suitable extinguishing media:	Product itself does not burn. Use extinguishing media for surrounding fire.
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Unsuitable extinguishing media:	None known.
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**Special Hazards arising from the Substance or Mixture**

Special hazards:	In case of fire: formation of zinc oxide fumes.
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**Advice for Firefighters**

Protective equipment:	Wear self-contained respiratory protective device.
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Further information: Collect contaminated extinguishing water and debris separately; avoid contamination of sewage system.

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## **6 Accidental Release Measures**

### **Personal Precautions, Protective Equipment and Emergency Procedures**

Personal precautions: Ensure adequate ventilation.  
Do not inhale dust. Avoid formation of dust.  
Avoid contact with eyes and skin.

### **Environmental Precautions**

Environmental precautions: Prevent contamination of soils, drains and surface water.

### **Methods and Material for Containment and Cleaning Up**

Methods and material: Clean up mechanically. Transfer liquids and solid diking material to separate suitable containers for recovery or disposal.

### **Reference to other Sections**

Protective clothing, see Section 8.  
See Section 13 for information on disposal.

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## **7) Handling and Storage**

### **Precautions for Safe Handling**

Instructions on safe handling: Provide adequate ventilation.  
Avoid formation and deposition of dust. Provide adequate ventilation.  
Avoid contact with eyes and skin.

Hygienic measures: N/A

### **Conditions for Safe Storage, including any Incompatibilities**

Storage conditions: Store in tightly sealed containers in a dry and cool place.

Requirements for storage areas and containers: Water law provisions have to be met.

Information on fire and explosion protection: No special measures necessary.  
Not required.

Storage class (VCI): N/A

Further Information: N/A

### **Specific End Use(s)**

Artists' Pigment

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## 8) Exposure/Personal Protection

### Parameters to be Controlled

Parameters to be controlled (DE): TWA: 10 mg/m<sup>3</sup> general dust limit inhalable fraction.  
TWA-Value: 3 mg/m<sup>3</sup> air-borne fraction (general dust limit)

Parameters to be controlled:

Derived No-Effect Level (DNEL): N/A

Predicted No-Effect Concentration (PNEC): N/A

Additional Information: N/A

### Exposure Controls

Technical protective measures

### Personal Protection

General protective measures: Keep away from foodstuffs and drinks. Do not eat, drink or smoke during work. Wash hands before breaks and at the end of work. Avoid contact with eyes and skin.

Respiratory protection: In case of formation of dust.

Hand protection: Protective gloves (EN 374) The manufacturer's directions for use should be observed because of the great diversity of types.  
Protective glove material: Nitrile rubber.

Eye protection: Tightly fitting safety goggles (EN 166).

Body protection: Protective clothing.

Environmental precautions: Avoid contamination of sewage system, open water ways and ground water.

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## 9) Physical and chemical Properties

Appearance:	White Powder
Odour:	None
Boiling point:	N/A
Melting point:	1975 °C
Flash point:	N/A.
Ph:	7-8
Density:	5.60 g/cm <sup>3</sup> (20°)
Solubility in Water:	0.0016g/L.
Flammability:	N/A.
Extinguishing media:	No restriction
Bulk density	300-500 kg/m <sup>3</sup>

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## 10) Stability and Reactivity

### Reactivity

No information available.

### Chemical Stability

No decomposition if used according to specifications.

### Possibility of Hazardous Reactions

Reacts with strong acids and bases.

### Conditions to Avoid

Conditions to avoid: N/A

Thermal decomposition: No decomposition if used according to specifications.

### Incompatible Materials

Strong acids and alkalis.

### Hazardous Decomposition Products

Fumes of zinc oxide.

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## 11) Toxicological Information

Information on Toxicological Effects

Acute Toxicity

LD50, oral: 7950 mg/kg (rat) LDLo: 500 mg/kg (human)

LD50, dermal: No information available.

LC50, inhalation: > 5.7 mg/l (4h, rat)

### Primary effects

Irritant effect on skin:	Dust may cause irritation.
Irritant effect on eyes:	Product dust may cause irritation.
Inhalation:	No information available.
Ingestion:	No information available
Sensitization:	No sensitizing effects known.
Mutagenicity:	No data available.
Reproductive toxicity:	No data available.
Carcinogenicity:	No data available.
Teratogenicity:	No information available.
Specific target organ toxicity (STOT):	No data available.

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## 12) Ecological Information

### Aquatic Toxicity

No information available.

### Persistency and Degradability

Method is not applicable for inorganic substances.

### Bioaccumulation

No information available.

### Mobility

No information available.

### Results of PBT- und vPvP Assessment

Not applicable.

### Other Adverse Effects

Water hazard class: 2: hazardous.

Further ecological effects: May cause long-term adverse effects in the aquatic environment. Prevent product from entering surface water and drains. Very toxic for water organisms.

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## 13) Disposal Information

Examine possibilities for recycling.

Return large quantities to the manufacturer.

Dispose in accordance with all applicable local & national regulations.

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#### 14) Transport Information

Land ADR/RID:	Class: 9 Environmentally Hazardous Substance, Solid, N.O.S, UN 3077, Packaging Group III
Maritime Transport:	Class: 9 Environmentally Hazardous Substance, Solid, N.O.S, UN 3077, Packaging Group III
Air Cargo ICAO-TI	Class: 9 Environmentally Hazardous Substance, Solid, N.O.S, UN 3077, Packaging Group III

Keep separated from foodstuffs.

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#### 15) Regulatory Information

##### Safety, Health and Environmental Regulations/Legislation specific for the Substance or Mixture

Water hazard class:	2, hazardous for water
Local regulations on chemical accidents:	The quantity threshold according to the Accident Ordinance has to be followed.
Employment restrictions:	The employment restrictions for young workers in accordance with the Youth Employment Protection Law (94/33/EC) are to be observed.

##### Chemical Safety Assessment

A Chemical Safety Assessment has not been carried out for this product.

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#### 16) Other information

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

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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