



# L. CORNELISSEN & SON

Artists' Colourmen

Suppliers of Materials for Painters, Gilders & Printmakers

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

Revision Date: July 2014

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

Trade Name: Cornelissen Fumed Silica.

Application: Artists' Paint or Medium Component.

Manufacturer/Supplier:

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

Tel: 020 7636 1045

Fax: 020 7636 3655

[www.cornelissen.com](http://www.cornelissen.com)

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### 2) Composition/Information on ingredients

Product name: Amorphous Silica

REACH Registration number: 01-2119379499-16

CAS No: 7631-86-9

EC No: 231-545-4

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### 3) Hazards Identification

Classification according to Regulation (EC) No 1272/2008

#### Classification

Not a hazardous substance or mixture.

#### Label Elements

Not a hazardous substance or mixture.

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### 4) First Aid Measures

If inhaled: Move the exposed person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.

In case of skin contact: Immediately remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention promptly if symptoms occur after washing.

In case of eye contact: Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention promptly if symptoms occur after washing.

If swallowed: Immediately rinse mouth and provide fresh air. Get medical attention if any discomfort continues. Do not induce vomiting.

Most important symptoms and effects, both acute and delayed:

Eye contact: May cause temporary eye irritation.

Indication of any immediate medical attention and special treatment needed:

No recommendation given, but first aid may still be required in case of accidental exposure, inhalation or ingestion of this chemical. If in doubt, get medical attention promptly.

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## 5) Fire Fighting Measures

### *Extinguishing media*

Suitable extinguishing media: Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.

### *Special hazards arising from the substance or mixture*

Hazardous combustion products: Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

Specific hazards: Oxides of: Carbon.

### *Advice for fire fighters*

Special Fire Fighting Procedures: Dike and collect extinguishing water.

Protective equipment for fire-fighters: Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

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## 6 Accidental Release Measures

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

Personal precautions: Wear protective clothing as described in Section 8 of this safety data sheet. Avoid inhalation of dust. Avoid contact with skin and eyes. Provide adequate ventilation.

### *Environmental precautions*

Environmental precautions: Spillages or uncontrolled discharges into watercourses must be immediately alerted to the Environmental Agency or other appropriate regulatory body.

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

Methods and materials:	Avoid generation and spreading of dust. Remove spillage with vacuum cleaner. If not possible, collect spillage with shovel, broom or the like. Wash contaminated area with water. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.
Reference to other sections:	Wear protective clothing as described in Section 8 of this safety data sheet.

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## **7) Handling and Storage**

### *Precautions for Safe Handling*

Advice on safe handling:	Avoid spilling, skin and eye contact. Avoid handling which leads to dust formation. Avoid inhalation of dust. Avoid spreading dust. Provide good ventilation.
Hygiene measures:	General industrial hygiene practice.
<i>Safe Storage</i>	
Storage conditions:	Store in tightly closed original container in a dry, cool and well-ventilated place.

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## **8) Exposure/Personal Protection**

### **Exposure Controls**

Appropriate engineering controls:	Provide adequate ventilation. Observe occupational exposure limits and minimize the risk of inhalation of dust.
Control Parameters:	WEL: TWA 8 hours 6mg/m <sup>3</sup>
Personal protective equipment	
Eye/face protection:	Wear approved safety goggles.
Skin protection:	Use suitable protective gloves if risk of skin contact. Use protective gloves made of: Butyl rubber. Nitrile. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material. EN 374.
Body Protection:	Wear appropriate clothing to prevent repeated or prolonged skin contact.
Respiratory protection:	If ventilation is insufficient, suitable respiratory protection must be provided.
Hygiene measures:	When using do not eat, drink or smoke.
Environmental exposure controls	
General advice:	No special environmental precautions required.

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## 9) Physical and chemical Properties

Form:	Powder, dust crystals or crystalline.
Colour:	White to clear.
Odour:	Odourless
pH, Conc. Solution:	4.0
Boiling Point:	2230°C
Melting point:	1610°C
Density at 20°C:	2.1-2.2g/cm <sup>3</sup>
Bulk Density:	600 kg/m <sup>3</sup>
Water solubility:	Insoluble
Vapour pressure:	1330 Pa 1732

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## 10) Stability and Reactivity

Reactivity:	No specific reactivity hazards associated with this product.
Chemical stability:	No decomposition if stored and applied as directed.
Possibility of hazardous reactions:	Hazardous Polymerisation - Will not polymerise.
Conditions to avoid:	Avoid heat, flames and other sources of ignition.
Incompatible materials:	Materials to avoid - Water, steam, water mixtures.
Hazardous decomposition products:	Oxides of: Carbon.

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## 11) Toxicological Information

### Information on toxicological effects

Acute toxicity:	Acute Toxicity (Oral LD50)>5000 mg/kg Rat 5/7
Acute Toxicity (Dermal LD50):	> 2000 mg/kg Rabbit
Acute Toxicity (Inhalation LC50):	> 2.2 mg/l (dust/mist) Rat 1 hour.
Inhalation:	Dust in high concentrations may irritate the respiratory system.
Ingestion:	May cause discomfort if swallowed.
Skin contact:	Prolonged contact may cause dryness of the skin.
Eye contact:	Particles in the eyes may cause irritation and smarting.
Additional toxicological information:	None.

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## 12) Ecological Information

### *Ecotoxicity*

The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

### *Toxicity*

Acute Fish Toxicity:	Not considered toxic to fish.
Acute Toxicity – Fish:	LC50 96 hours 5000 mg/l <i>Brachydanio rerio</i> (Zebra Fish)
Acute Toxicity - Aquatic Invertebrates:	EC50 48 hours 7600 mg/l <i>Daphnia magna</i> .
Acute Toxicity - Aquatic Plants:	EC50 72 hours 440 mg/l <i>Selenastrum capricornutum</i> .

### *Persistence and degradability*

Biodegradability: There are no data on the degradability of this product.

### *Bioaccumulative potential*

No data available on bioaccumulation.

### *Mobility in soil:*

The product is insoluble in water.

### *Results of PBT and vPvB assessment*

Not Classified as PBT/vPvB by current EU criteria.

### *Other adverse effects*

N/A

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## 13) Disposal Information

### Waste Treatment Methods

In authorised dumps, in accordance with Local Authority requirements.

Treat contaminated containers in the same way as product.

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## 14) Transport Information

Not regulated as a dangerous good.

Not classified as dangerous in the meaning of transport regulations.

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### **15) Regulatory Information**

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

No compulsory identification under EC directives and national regulations.

Chemical Safety Assessment: No data available.

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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