



# L. CORNELISSEN & SON

Artists' Colourmen

Suppliers of Materials for Painters, Gilders & Printmakers

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

Revision Date: September 2014

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

Trade Name: Cornelissen Malachite

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

### 2) Composition/Information on ingredients

Chemical Name: Copper hydroxide carbonate,  $2\text{CuCO}_3 \cdot \text{Cu}(\text{OH})_2$

CAS No: 12069-69-1

EC No: 235-113-6

### 3) Hazards Identification

#### Classification

Classification according to Regulation (EC) No 1272/2008

Acute toxicity (oral), hazard category 4

Label elements



GHS07

Signal word Warning

Hazard statement(s)

H302	Harmful if swallowed.
Precautionary statement(s)	
P270	Do not eat, drink or smoke when using this product.
P264	Wash thoroughly after handling.

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#### 4) First Aid Measures

If inhaled:	Remove to fresh air.
In case of skin contact:	Wash off immediately with soap and plenty of water and rinse thoroughly.
In case of eye contact:	Rinse open eye for several minutes under running water. Should irritation continue, seek medical advice.
If swallowed:	Clean mouth with water. Seek medical advice.
General information:	Remove contaminated clothes.
Most important symptoms and effects, both acute and delayed	To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.
Indication of any immediate medical attention and special treatment needed	No data available

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#### 5) Fire Fighting Measures

##### *Extinguishing media*

Suitable extinguishing media:	Product itself does not burn. Use extinguishing media for surrounding fire.
Unsuitable extinguishing media:	None known
Special hazards arising from the substance or mixture	
Specific hazards during fire fighting:	None known

##### *Advice for fire fighters*

Special protective equipment for fire fighters:	In the event of fire, wear self-contained breathing apparatus.
Further information:	No data available.

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#### 6 Accidental Release Measures

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

Personal precautions:	Wear protective clothing. Avoid dust formation. Keep spectators away.
Environmental precautions:	Do not flush into soil, surface water or sewer system. If the product contaminates rivers and lakes or drains inform respective authorities.

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

Methods and materials: Pick up and arrange disposal without creating dust. Sweep up and shovel. Rinse spill area. Keep in suitable, closed containers for disposal.

Further information: For disposal see section 13

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## **7) Handling and Storage**

### *Precautions for Safe Handling*

Advice on safe handling: Keep container tightly closed. Ensure adequate ventilation. Take the usual precautionary measures when handling chemicals.

Information on fire and explosion protection: Product is not flammable.

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

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

Storage compatibility: Do not store together with: acids or strong oxidants.

Do not store together with: foodstuffs and animal feed.

Storage class (VCI): 10-13

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

### **Control parameters**

EU ELV, Time Weighted Average (TWA): 0.01 mg/m<sup>3</sup>

### **Exposure Controls**

Provide adequate ventilation.

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday. Remove contaminated clothing. Do not inhale vapour/dust. Keep away from foodstuffs, beverages and feed.

Personal protective equipment

Eye/face protection: Safety glasses. Use equipment for eye protection tested and approved under EN 166(EU).

Skin protection: Handle with protective gloves.

Body Protection: Use protective clothing.

Respiratory protection: Dust mask recommended when very dusty (with particle filter P2/P3).

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## **9) Physical and chemical Properties**

Form: Powder

Colour: Green

Odour: None

pH:	9 (100 g/l; 20°C)
Melting point/range:	N/A
Boiling point/boiling range:	N/A
Flash point:	Not combustible
Evaporation rate:	No information available
Vapour pressure:	Not determined
Relative vapour density:	N/A
Relative density:	8.1 g/mL at 25 °C
Density:	4.0 g/cm <sup>3</sup> (20 °C)
Water solubility:	Insoluble
Partition coefficient: n-octanol/water:	No information available
Auto-ignition temperature:	N/A
Thermal decomposition:	>200°C.
Viscosity, dynamic:	N/A
Explosive properties:	Product does not present an explosion hazard.
Oxidizing properties:	No information available
Bulk density	ca 1050 kg/m <sup>3</sup>

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## 10) Stability and Reactivity

Reactivity:	No information available
Chemical stability:	Stable if used according to specifications.
Possibility of hazardous reactions:	Reacts with strong oxidants.
Conditions to avoid:	Heat - approx. 200°C
Incompatible materials:	No information available.
Hazardous decomposition products:	No information available.

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## 11) Toxicological Information

Information on toxicological effects

Acute toxicity:	LD50, oral: 1350 mg/kg (rat)
Skin irritation:	no data available.
Eye irritation:	no data available.
Respiratory or skin sensitization:	no data available.

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## 12) Ecological Information

Toxicity:	no data available
Persistence and degradability:	no data available

Bio accumulative potential:	no data available
Mobility in soil:	no data available
Results of PBT and vPvB assessment:	no data available
Other adverse effects:	Avoid subsoil penetration. Prevent product from entering drains. Do not contaminate surface water.
Further information	
Water hazard class:	3

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### 13) Disposal Information

#### Waste Treatment Methods

Product:	Dispose in accordance with all applicable local & national regulations.
Contaminated packaging:	Dispose of as unused product.

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### 14) Transport Information

Not classified as dangerous.

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### 15) Regulatory Information

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

Employment restrictions: The employment restrictions for young workers in accordance with the Youth Employment Protection Law (94/33/EC) are to be observed.

The employment restrictions for expectant and nursing mothers in accordance with the Maternity Protection Guideline (94/85/EEC) are to be observed.

Technical instructions on air quality: Inorganic dusty substances, class III

Water hazard class: 3, very hazardous for water

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