

## 1. Identification of the Substance/Preparation and of the Company/Undertaking


### Identification of the Product

Product Name: Conichalcite  
Article No.: 10870  
Use of the Substance/Preparation: Artists' and Restoration Material

### Company

Company: Kremer Pigmente GmbH & Co. KG  
Address: Hauptstrasse 41-47, D 88317 Aichstetten  
Tel/Fax: Tel +49 7565 91120, Fax +49 7565 1606  
Internet: www.kremer-pigmente.de, kremer-pigmente@t-online.de

## 2. Hazard Identification

Hazard designation:  N Hazardous to the environment



T Toxic

Risk Phrases: R23 Toxic by inhalation.  
R53 May cause long-term adverse effects in the aquatic environment.  
R50 Very toxic to aquatic organisms.  
R25 Toxic if swallowed.

## 3. Composition/Information on Ingredients

Chemical Characterization: Copper arsenic carbonate, natural mineral,  $\text{CaCu}(\text{AsO}_4)(\text{OH})$

## 4. First Aid Measures

After inhalation: Move to fresh air.  
Keep respiratory tract clear.  
Get medical help.

After skin contact: Wash off immediately with plenty of soap and water and rinse thoroughly.  
Make sure that there is no product between clothing, skin, wrist watch, shoes.

After eye contact: Remove contact lens. Rinse open eyes with plenty of water (10-15 min). Consult physician.

After ingestion: Drink plenty of water.  
Induce vomiting as long as affected person is conscious.  
Ensure that patient drinks a lot of water with medical charcoal or eats medical charcoal.  
Get medical help.  
Transport patient laying down.

General information: Take person away from hazardous area.  
Wash affected body parts thoroughly with soap and water.

General information: Remove contaminated clothes.

## 5. Fire-Fighting Measures

Suitable extinguishing media: Product itself does not burn.  
Use extinguishing media for surrounding fire.

Protective equipment: Wear suitable protective clothing.

Further information: Avoid contamination of sewage system, open water ways and ground water.  
Contaminated extinguishing water and debris should be disposed of according to local regulations.  
Avoid formation of dust resp. keep development of fumes and gases low.  
Reduce developing gases and fumes with water spray.  
Measures in case of contamination:  
Air: Take all uninvolved persons out of wind direction.  
Water: Inform water consumers (product is severley hazardous to waters).  
Ground: Remove contaminated area and treat as toxic waste.  
Information for extinguishing personnel / fire department:  
Arsenic acid develops if product burns.  
Clean fire extinguishing equipment thoroughly.

## 6. Accidental Release Measures

Personal precautions: Avoid contact with skin, eyes and clothing. Do not ingest or inhale.  
Avoid dust formation.

Environmental precautions: Do not discharge into drains, surface or ground water.  
Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

Methods of cleaning/absorption: Clean up mechanically. Transfer liquids and solid diking material to separate suitable containers for recovery or disposal.  
Avoid dust formation.

Further measures: Dispose of contaminated material according to para 13.

## 7. Handling and Storage

### *Handling*

Instructions on safe handling: The product should only be handled by professional personnel.  
Do not eat or drink during work. Do not smoke.

### *Storage*

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

Requirements for storage areas and containers: Close open containers with care and store in an upright position to avoid spilling.

Storage compatibility: Do not store together with: foodstuff and animal feed.

Storage class (VCI): 6.1 B; Non combustible toxic products.

Further information: The product is hazardous to water. Consider national regulations regarding handling and storage.

## 8. Exposure Controls/Personal Protection

Additional information about design of technical systems:

Adequate ventilation.

Components with workplace control parameters (Germany):

TCL: 0.1 mg/m<sup>3</sup>

### *Personal protective equipment*

General protective measures:

The usual precautionary measures are to be adhered to when handling chemicals.

Do not inhale dust. Do not eat, drink or smoke during work. Wash hands before breaks and at the end of the shift.

Remove contaminated clothing immediately.

Respiratory protection:

In case of formation of dust.

Hand protection::

Adequate protective gloves recommended.

Protective glove material:

Please note the manufacturers' detailed statements, especially about the minimum thickness and the minimum breakthrough time.

Eye protection:

Safety glasses

Body protection:

Protective clothing.

## 9. Physical and Chemical Properties

Form:

powder

Color:

green

Odor:

odorless

Solubility in water:

insoluble

## 10. Stability and Reactivity

Thermal decomposition/Conditions to be avoided:

No information available.

Substances to be avoided:

No information available.

Hazardous reactions:

No information available.

## 11. Toxicological Information

### *Acute toxicity*

LD50, oral:

8,00 mg/kg (rat)

1.43 mg/kg (human)

55 mg/kg (mouse)

LD50, inhalation:

0.70 mg/kg (TCLo, human)

Further toxicological effects:

Result based on a product with similar composition.

## 12. Ecological Information

Further ecological effects:

Toxicity evaluation:

To mammals:

3

To fish:

Revised edition: 17.10.2002

Further ecological effects: 4  
To bacteria:  
4.5

*Further information*

Water hazard class: 2

### 13. Disposal Considerations

Product: Must be treated as toxic waste according to local laws and regulations.

Uncleaned packaging: Dispose of according to official local regulations.

### 14. Transport Information

*Road Transportation ADR/RID*

Class: 6.1  
Packaging group: II  
UN No.: 1557  
Classification code: T5  
Tunnel No.: D/E  
Hazard No.: 6.1  
Correct technical name: ARSENIC COMPOUND, SOLID, N.O.S. (Copper Arsenic Carbonate)

*Sea transportation*

IMDG/GGVSee Class: 6.1  
Packaging group: II  
UN No.: 1557  
EmS No.: F-A,S-A  
Hazard No.: 6.1  
Marine pollutant: P  
Correct technical name: ARSENIC COMPOUND, SOLID, N.O.S. (Copper Arsenic Carbonate)

*Air transportation*

ICAO/IATA Class: 6.1  
Packaging group: II  
UN No.: 1557  
Hazard No.: 6.1  
Correct technical name: ARSENIC COMPOUND, SOLID, N.O.S. (Copper Arsenic Carbonate)

### 15. Regulatory Information

Hazard designation:



N Hazardous to the environment



T Toxic

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Risk Phrases:	R23 Toxic by inhalation. R53 May cause long-term adverse effects in the aquatic environment. R25 Toxic if swallowed. R50 Very toxic to aquatic organisms.
Safety Phrases:	S21 When using do not smoke. S61 Avoid release to the environment. Refer to special instructions / Safety data sheets. S60 This material and its container must be disposed of as hazardous waste. S28 After contact with skin, wash immediately with plenty of water. S20 When using do not eat or drink. S02 Keep out of reach of children. S01 Keep locked up. S45 If swallowed, seek medical advice immediately and show this container or label.
Water hazard class:	2, hazardous for water

## 16. Other Information

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

This information contained herein is based on the present state of knowledge and is intended to describe our product from the point of view of safety requirements. It should be therefore not be construed as guaranteeing specific properties.