

10870 - Conichalcite

Revised edition: 23.10.2012

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

Product Identifier

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

Details of the Supplier of the Safety Data Sheet

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

Classification according to EC Regulation No.1272/2008

GHS Classification Acute toxicity (inhalation), hazard category 3
Acute toxicity (oral), hazard category 3
Hazardous to the aquatic environment, acute category 1
Hazardous to the aquatic environment, chronic category 1

Hazard designation:  GHS09


 GHS06

Signal word: Danger

Hazard designation: H410 Very toxic to aquatic life with long lasting effects.
H301 Toxic if swallowed.
H331 Toxic if inhaled.

Safety designation: P405 Store locked up.
P501 Dispose of contents/container according to regional, national and international regulations.
P281 Use personal protective equipment as required.
P301+P310 If swallowed: Immediately call a poison center or physician.
P261 Avoid breathing dust/fume/gas/ mist/vapours/spray.

Classification according to EC Regulation No. 67/548 or No.1999/45

Hazard designation:  N Hazardous to the environment

 T Toxic

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

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Risk Phrases: R23 Toxic by inhalation.
Safety Phrases: S61 Avoid release to the environment. Refer to special instructions / Safety data sheets.
S28 After contact with skin, wash immediately with plenty of water.
S45 If swallowed, seek medical advice immediately and show this container or label.
S01 Keep locked up.
S21 When using do not smoke.
S20 When using do not eat or drink.
S02 Keep out of reach of children.
S60 This material and its container must be disposed of as hazardous waste.

3. Composition/Information on Ingredients

Chemical Characterization: Copper arsenic carbonate, natural mineral, $\text{CaCu}(\text{AsO}_4)(\text{OH})$
Hazardous Ingredients: Copper arsenic carbonate H331
CAS-Nr: 12310-22-4 EINECS-Nr: EC-Nr: 033-002-005

4. First Aid Measures

Description of the First Aid Measures

After inhalation: Supply fresh air. If required give artificial respiration. Keep patient warm.
Get medical help.
In case of unconsciousness place patient stable in side position for transportation.
Oxygen therapy in case of impaired breathing.

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.
Get medical attention.

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

After ingestion: Rinse mouth with water and spit out.
Give plenty of water to drink and immediately induce vomiting.
Immediately get medical help.

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

Most Important Symptoms and Effects, both Acute and Delayed

Possible symptoms: Eye irritation: retarded burning, redness, conjunctivitis; corneal damage is not to be excluded.
Inhalation: irritation/burning in nose, mouth and throat.
Skin contact: Can cause allergic skin reactions. Resorptive effect possible.

Indication of any Immediate Medical Attention and Special Treatment needed

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Information for physician: Immediate medical treatment.

5. Fire-Fighting Measures

Extinguishing Media

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

Special Hazards arising from the Substance or Mixture

Special hazards: In case of fire: hazardous vapors may be released. Development of fumes/aerosol.
In case of fire: formation of arsenic hydride, arsenic trioxide.

Advice for Firefighters

Protective equipment: Wear self-contained respiratory protective device and protective clothing.

Further information: Cool exposed containers with water spray.
Collect contaminated extinguishing water and debris separately; avoid contamination of sewage system.

6. Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures

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

Environmental precautions: Prevent contamination of soils, drains and surface water.
Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

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

Reference to other sections: Dispose of contaminated material according to para 13.

7. Handling and Storage

Precautions for Safe Handling

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

Conditions for Safe Storage, including any Incompatibilities

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: In the original container.

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

Do not store together with: strong oxidizing substances of storage class 5.1A.

Do not store together with explosive substances of storage class 4.1A.

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

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8. Exposure Controls/Personal Protection

Technical protective measures:	Provide adequate ventilation/exhaust system. Facilities storing or utilizing this material should be equipped with an eyewash and shower facility.
Parameters to be controlled (DE):	none known
<i>Personal Protective Equipment</i>	
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 while working. Wash hands before breaks and at the end of work. Remove contaminated clothing immediately.
Respiratory protection:	Wear protective mask, particle filter P2 or P3 (white) dust occurs.
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. Chloroprene rubber (CR), nitrile rubber (NBR), butyl rubber, Fluoro carbon rubber (FKM), polyvinyl chloride (PVC).
Eye protection:	Safety glasses with protective shields (EN 166).
Body protection:	Protective clothing, chemical resistant.
Further information:	Provide separate lockers for normal and working clothes.

9. Physical and Chemical Properties

Information on Basic Physical and Chemical Properties

Form:	powder
Color:	green
Odor:	odorless
Odor threshold:	No information available.
Melting temperature:	not available
Boiling temperature:	not available
Flash point:	not available
Ignition temperature:	not available
Explosion risk:	not applicable
Vapor pressure:	not determined
Density:	not available
Solubility in water:	practically insoluble
pH-Value:	not available
Viscosity dynamic:	not applicable
Oxidizing properties:	No information available.
Coefficient of variation (n-Octanol/Water):	not determined

10. Stability and Reactivity

Reactivity:	Thermal decomposition.
Chemical stability:	Stable if used according to specifications.
Hazardous reactions:	None if handled and stored according to specifications.

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Conditions to avoid: Avoid heat.
Incompatible materials: None known.
Hazardous decomposition products: Arsenic hydride, arsenic trioxide.

11. Toxicological Information

Acute Toxicity

LD50, oral: 22 mg/kg (rat)
LD50, dermal: 2400 mg/kg (rat)

Primary effects

Irritant effect on skin: Skin contact may cause irritation.
Formation of eczemas possible.
Irritant effect on eyes: Conjunctivitis (with signs of burning, itching and lacrimation).
Inhalation: Can cause irritation of the respiratory system.
Rhinitis, laryngitis and tracheitis.
Sensitization: No sensitizing effects known.
Reproductive toxicity: The chronic exposition to inorganic arsenic compounds can increase the frequency of spontaneous abortions and the rate of still births and malformations at birth.
Cancerogeny: A cancerogenic effect has been proven in humans.
Mutagenicity: Can probably cause genetic defects.
Further toxicological effects: By analogy with a product of similar composition.

12. Ecological Information

Persistency and Degradability: No information available.
Bioaccumulation: The product is hazardous to the the aquatic system.
Mobility: No information available.

Ecological effects

Aquatic toxicity: :
- Fish toxicity: LC50: > 10 g/l (96h)
Results of PBT and vPvB assessment: No data available.

Further information

Water hazard class: 3

13. Disposal Considerations

Waste Treatment Methods

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

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Packaging group: II
UN No.: 1585
Classification code: T5
Tunnel No.: D/E
Hazard No.: 6.1
Correct technical name: COPPER ACETOARSENITE

Sea transportation

IMDG/GGVSee Class: 6.1
Packaging group: II
UN No.: 1585
EmS No.: F-A,S-A
Hazard No.: 6.1
Marine pollutant: P
Correct technical name: COPPER ACETOARSENITE

Air transportation

ICAO/IATA Class: 6.1
Packaging group: II
UN No.: 1585
Hazard No.: 6.1
Correct technical name: COPPER ACETOARSENITE

Environmental hazards: Labelling according 5.2.1.8 ADR/RID: fish and tree
Labelling according 5.2.1.6.3 IMDG: fish and tree

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: 5.2.7.1.1 Carcinogenic substances

Water hazard class: 3, very hazardous for water

Restriction and prohibition of application: Not permitted for private consumers (ChemVerbV § and GL 76/796/EEC).

Chemical Safety Assessment

Chemical safety assessment: A Chemical Safety Assessment has not yet been carried out for this product.

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.