

44450 Verdigris, synthetic

Edition: 07.07.2004

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Product Information:

Product Name: Verdigris, synthetic
Article No.: 44450
Application: Artists' and Restauration Material

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

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterization:
Copper-(II)-acetate-1-hydrate

Name	CAS No.	EINECS No.	Symbol	Risk Phrase
Copper-(II)-acetate-1-hydrate	6046-93-1	205-553-3	Xn	22

Chemical Characterization (Preparation)
 $C_4H_6CuO_4 \cdot H_2O$

3. HAZARDS IDENTIFICATION

Xn harmful

R 22: Harmful if swallowed.

4. FIRST AID MEASURES

General information: Remove contaminated clothing. Keep away from foodstuff.
After inhalation: Take affected person to fresh air, in case of discomfort get medical help.
After skin contact: Immediately rinse with plenty of water and soap.
After eye contact: Immediately rinse with plenty of water.
After ingestion: Immediately get medical help.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: Water, foam, carbon dioxide, dry extinguishing agent.
Protective equipment: Self-contained breathing apparatus. Do not inhale fumes.

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6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Wear protective clothing.
Environmental precautions: Do not allow to enter drains or waterways - dispose of contaminated water / fire-fighting water properly.
Methods for cleaning up / absorption: Clean up mechanically and dispose appropriately. Rinse with water. Avoid dust formation.

7. HANDLING AND STORAGE

Handling:

Advice on safe handling: Follow the usual good standards of occupational hygiene when handling chemicals.

Information of fire and explosion protection:

Do not bring into contact with flammable products: risk of explosive decomposition.

Storage:

Storage conditions: Store in cool and dry place. Do not store together with mineral acids.
Storage class: 13, non combustible solids

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

General protective measures: Do not store near foodstuff or drinks. Wash hands thoroughly after work.

Respiratory protection: Dust mask
Hand protection: Protective gloves
Eye protection: Safety glasses
Body protection: Apron

9. PHYSICAL AND CHEMICAL PROPERTIES

Form: powder
Color: bluish-green
Odor: acetic acid

Melting point: 115°C
Flash point: no data available
Ignition temperature: no data available
Density: 1.88 g/cm³ (20°C)
pH-Value: 4.9 - 5.5 (20°C; 20 g/l)

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10. STABILITY AND REACTIVITY

Conditions to be avoided: Temperatures above 240°C (Decomposition)
Substances to avoid: Mineral acids
Decomposition products: Fumes of acetic acid can be emitted due to thermal decomposition.

11. TOXICOLOGICAL INFORMATION

Acute toxicity:
LD₅₀, oral: 710 mg/kg (rat)

Subacute/Chronic toxicity:
Long-term studies: no results available

Remarks:
Irritant to eyes, skin and mucous membranes. Swallowing can cause nausea and/or diarrhea.

12. ECOLOGICAL INFORMATION

Ecological effects: no data available

13. DISPOSAL CONSIDERATIONS

In accordance with current regulations, product may be taken to waste disposal site or incineration plant, after consultation with site operator and/or with the responsible authority.

Cleaning agent: water

14. TRANSPORT INFORMATION

Road / Marine / Air transport: non-hazardous goods

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15. REGULATORY INFORMATION

Designation according to EC guidelines: The material is subject to classification according to EC lists.

Labelling required according to EC-Guidelines:



Xn Harmful

Risk Phrases:

R 22: Harmful if swallowed

Water hazard class: 2, hazardous

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 therefore not be construed as guaranteeing specific properties.