

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

Identification of the Product

Product Name: Cobalt Blue, dark, Kremer Watercolor
Article No.: 457008
Use of the Substance/Preparation: Artists' and Restoration Material

Company

Company: Kremer Pigmente GmbH & Co. KG
Address: Hauptstrasse 41-47, D 88317 Aichstetten
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Internet: www.kremer-pigmente.de, kremer-pigmente@t-online.de
Emergency No.: +49 7565 914480, Mon-Fri 8:00 - 17:00

2. Hazard Identification

Hazard designation:



Xn Harmful

Risk Phrases:

R20 Harmful by inhalation.
R22 Harmful if swallowed.

3. Composition/Information on Ingredients

Chemical Characterization: Cobalt blue (C.I. Pigment Blue 74, C.I. No. 77366, (Co,Zn)₂SiO₄) in Carol Gillot's watercolor medium.

Watercolor medium:

Gum Arabic: CAS No. 9000-01-5; EINECS 2325195

Honey

Glycerol: 1,2,3-Trihydroxypropane CAS No.: 56-81-5; EINECS 200-895

Hazardous Ingredients:

Phenacite Co-Zn-Silicate (blue) (Xn, R20/22)

CAS-Nr: 68412-74-8 EINECS-Nr: 270-208-6 EC-Nr:

4. First Aid Measures

After inhalation:

Take affected person to fresh air.

In case of unconsciousness, store, respectively transport in stable side position.

After skin contact:

Remove contaminated clothing immediately. Wash off immediately with plenty of water and soap.

After eye contact:

Rinse open eyes with plenty of water for at least 15 minutes.

After ingestion:

Rinse mouth with water.

Drink water in small sips. Only induce vomiting if patient is conscious.

5. Fire-Fighting Measures

Suitable extinguishing media:

Product itself does not burn.

Protective equipment:

Wear suitable protective clothing.

Further information: Contaminated extinguishing water and debris should be collected separately; avoid contamination of sewage system.
Contaminated extinguishing water and debris should be disposed of according to local regulations.

6. Accidental Release Measures

Personal precautions: Wear protective clothing.
Ensure adequate ventilation.
Avoid dust formation.

Environmental precautions: Prevent contamination of soil, drains and surface waters.

Methods of cleaning/absorption: Take up mechanically and collect in suitable container for disposal.
Avoid dust formation.

7. Handling and Storage

Handling

Instructions on safe handling: Avoid dust formation. Do not inhale dust.

Information on fire and explosion protection: No information available.

Storage

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

Storage compatibility: Do not store together with: food, drink and animal feeding stuffs.

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

8. Exposure Controls/Personal Protection

Additional information about design of technical systems: Provide adequate ventilation.

Components with workplace control parameters (Germany): Technical protective measures have priority to personal protective measures.
TWA: 0.10 mg/m³ (Inhalable dust fraction) based on cobalt.

Personal protective equipment

General protective measures: The usual precautionary measures are to be adhered to when handling chemicals.
Do not inhale vapor/dust.
Wash hands before breaks and after work.

Respiratory protection: Wear protective mask, particle filter P2 (for solid and liquid particles DIN 3181) if dust occurs.

Hand protection: Suitable protective gloves recommended, e.g. glove material: nitrile rubber (NBR).

Eye protection: Safety glasses with protective shields (EN 166).

Body protection: Safety shoes.

9. Physical and Chemical Properties

Form: solid
Color: blue

Odor: odorless
Solubility in water: soluble

10. Stability and Reactivity

Thermal decomposition/Conditions to be avoided: Stable when used according to specifications.
Substances to be avoided: No information available.
Hazardous decomposition products: None known.

11. Toxicological Information

Acute toxicity

LD50, oral: Phenakit Co-Zn-Silicate (blue): > 2000 mg/kg

Primary effects

Irritant effect on skin: Powder can cause local irritation in skin folds or beneath tightly worn clothes.

Sensitization: Not known.

Chronic toxicity: Harmful if swallowed.
Harmful if inhaled.

Further toxicological effects: Animal testing was not carried out with this product.
The above data are based on the containing pigment.

12. Ecological Information

Elimination (Persistence and Degradability): Methods for the evaluation of the biological degradability are not applicable for anorganic substances.

Ecological effects

Aquatic toxicity: Phenakit Co-Zn-Silicate (blau)

- Fish toxicity: LC50: > 10 000 mg/l (96h)

- Daphnia toxicity: EC50: > 10000 mg/ml (48h)

Further ecological effects: The above data are based on the containing pigment.

Further information

Water hazard class: 1

13. Disposal Considerations

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

Waste Code Nr.: The waste code must be determined with the regional disposal service.

Uncleaned packaging: Dispose according to product.

14. Transport Information

Further information: Not classified as a dangerous good under transport regulations.

15. Regulatory Information

Hazard designation:



Xn Harmful

Hazardous components for labelling:

Cobalt zinc silicate phenacite blue

Risk Phrases:

R20 Harmful by inhalation.

R22 Harmful if swallowed.

Safety Phrases:

S60 This material and its container must be disposed of as hazardous waste.

S22 Do not breathe dust.

Water hazard class:

1, slightly 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.