

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

Product Name: Gubbio Red, Kremer Watercolor
Article No.: 234938
Use of the Substance/Preparation: Artists' and Restoration Material

Company

Company: Kremer Pigmente GmbH & Co. KG
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2. Hazard Identification

Hazard designation: Product is not considered to be hazardous according to EC Guideline 67/548/EWG.

3. Composition/Information on Ingredients

Chemical Characterization: Azo condensation, Pigment Brown 23, C.I. 20060 (CAS No.: 35869-64-8) 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

4. First Aid Measures

After inhalation: Take affected person to fresh air and seek medical advice in case of complaints.
After skin contact: Remove contaminated clothing. Wash off immediately with plenty of water and soap.
After eye contact: Rinse open eyes with plenty of water for at least 15 minutes. Consult physician.
After ingestion: Rinse mouth with plenty of water and consult physician.

5. Fire-Fighting Measures

Suitable extinguishing media: Soak with plenty of water, if possible using wetting agents.
Unsuitable extinguishing media: Carbon dioxide, foam, dry extinguishing powder.
Protective equipment: Use self-containing breathing apparatus.
Special hazards: In case of fire: formation of carbon and nitrogen oxides.
Formation of other toxic decomposition products are also possible in the event of fire.
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.

Further information: Cool exposed containers with water spray.

6. Accidental Release Measures

Personal precautions: Avoid contact with skin, eyes and clothing. Do not ingest or inhale.
 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.
 Information on fire and explosion protection: Keep away from sources of ignition - do not smoke. Take precautionary measures against static discharges.

Storage

Storage conditions: Store in tightly sealed containers in a dry and cool room.
 Storage class (VCI): 11; Combustible solids

8. Exposure Controls/Personal Protection

Additional information about design of technical systems: Provide adequate ventilation in case of dust formation.
 Components with workplace control parameters (Germany):
 MAC-Value: 1.5 mg/m³ air-borne fraction (general dust limit)
 MAC-Value: 4 mg/m³ inhalable fraction (general dust limit)

Personal protective equipment

General protective measures: The usual precautionary measures are to be adhered to when handling chemicals.
 Respiratory protection: Respiratory protection (e.g. FFP 2).
 Hand protection: PVC gloves recommended.
 Eye protection: Safety glasses with protective shields (EN 166).

9. Physical and Chemical Properties

Form: solid
 Color: brown
 Odor: odorless
 Melting temperature: > 300°C
 Boiling temperature: not applicable
 Flash point: not applicable
 Ignition temperature: 580°C (BAM)
 Vapor pressure: not applicable
 Density: 1.59 g/cm³
 Solubility in water: soluble
 pH-Value: 5.5-8.5
 Viscosity dynamic: not applicable
 Further information: The data is based on the containing pigment.

10. Stability and Reactivity

Thermal decomposition/Conditions to be avoided:

Stable when used according to specifications.

Products to be avoided:

No exothermic reaction up to 350°C (Lütholf Method, 2.5°C/minute).

Hazardous decomposition products:

Strong oxidizing agents.

Further information:

In case of fire: formation of carbon and nitrogen oxides. Formation of HCl and other toxic gases and vapors is also possible.

The results are based on the dry pigment.

11. Toxicological Information

Acute toxicity

LD50, oral:

> 5000 mg/kg (rat)

Primary effects

Irritant effect on skin:

Non irritating (rabbit)

Irritant effect on eyes:

Non-irritating to eyes (rabbit)

Further toxicological effects:

No mutagenic effects observed.

The above data are based on the containing pigment.

12. Ecological Information

Environmental Behaviour:

The product is not classified as environmentally hazardous.

Further information

Water hazard class:

1

13. Disposal Considerations

Product:

In accordance with current regulations, product may be taken to an incineration plant.

If possible reuse product.

Uncleaned packaging:

Dispose according to product.

14. Transport Information

Further information:

Not classified as a dangerous good under transport regulations.

15. Regulatory Information

Designation according to EC guidelines:

The material is not subject to classification according to EC lists.

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.