

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

Product Name: Permanent Yellow medium, Kremer Watercolor  
Article No.: 233108  
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  
Emergency No.: +49 7565 91120, Mon-Fri 8:00 - 17:00

**2. Hazard Identification**

Hazard designation: Risk of dust explosion.  
No labelling required.

**3. Composition/Information on Ingredients**

Chemical Characterization: Pigment Yellow 154 ( C.I. 11781) 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 keep calm.  
After skin contact: Wash with soap and rinse with plenty of water.  
After eye contact: Rinse open eyes with plenty of water for at least 15 minutes.  
After ingestion: Do not induce vomiting. Consult physician immediately.

**5. Fire-Fighting Measures**

Suitable extinguishing media: Foam, water jet.  
Unsuitable extinguishing media: Carbon dioxide, water jet, dry extinguishing powder.  
Protective equipment: Use self-containing breathing apparatus.  
Special hazards: In case of fire: formation of carbon monoxide (CO) and nitrogen oxides (NOx).

**6. Accidental Release Measures**

Personal precautions: No special measures required.  
Environmental precautions: Do not allow to enter sewers, surface or ground water.  
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: No special measures necessary if properly handled.  
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 a cool and dry place.  
Storage class (VCI): 11; Combustible solids

**8. Exposure Controls/Personal Protection**

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

*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.  
Wash contaminated clothes before reuse.

Respiratory protection: In case of formation of dust.  
Hand protection: Protective gloves  
Protective glove material: Protective gloves (nitrile rubber).  
Eye protection: Safety glasses  
Body protection: Protective clothing.

**9. Physical and Chemical Properties**

Form: solid  
Color: yellow  
Odor: odorless  
Melting temperature: not determined  
Flash point: not applicable  
Solubility in water: soluble  
Coefficient of variation (n-Octanol/Water): not determined

**10. Stability and Reactivity**

Thermal decomposition/Conditions to be avoided: Product decomposes above 350°C.  
Hazardous reactions: None if handled and stored according to specifications.  
Hazardous decomposition products: None if stored and handled according to specifications.  
Further information: The results are based on the dry pigment.

**11. Toxicological Information***Acute toxicity*

LD50, oral: > 2000 mg/kg (rat)

*Primary effects*

Irritant effect on skin:	Non irritating (rabbit)
Irritant effect on eyes:	Non-irritating to eyes (rabbit)
Further toxicological effects:	The above data are based on the containing pigment.

**12. Ecological Information**

Further ecological effects:	No special effects or hazards known. The above data are based on the containing pigment.
-----------------------------	---

*Further information*

Water hazard class:	1
---------------------	---

**13. Disposal Considerations**

Product:	Dispose of according to official national and local regulations.
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.