

## 23310 - Permanent Yellow medium

Revised edition: 23.04.2008

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

#### *Identification of the Product*

Product Name: Permanent Yellow medium  
Article No.: 23310  
Use of the Substance/Preparation: Artists' and Restoration Material

#### *Relevant identified Uses of the Substance or Mixture and Uses advised against*

Identified uses: Coloring agent / organic pigment

#### *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

#### *Designation according to EC Regulation No.1272/2008*

GHS Classification This product does not require classification and labelling as hazardous according to CLP/GHS.

#### *Designation according to EC Regulation No. 67/548 or No.1999/45*

Hazard designation: The material is not subject to classification according to EC lists.

### 3. Composition/Information on Ingredients

Chemical Characterization: Pigment Yellow 154, C.I. 11781

### 4. First Aid Measures

#### *Description of the First Aid Measures*

After inhalation: Supply fresh air and keep patient 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

#### *Extinguishing Media*

Suitable extinguishing media: Foam, water jet.  
Unsuitable extinguishing media: Carbon dioxide, water jet, dry extinguishing powder.

#### *Special Hazards*

Special hazards: In case of fire: formation of carbon monoxide and dioxide.  
In case of fire: formation of nitrogen oxide, hydrogen fluoride.

#### *Fire-Fighting Measures:*

Protective equipment: Wear self-contained respiratory protective device.

### 6. Accidental Release Measures

*Personal Precautions and Protective Measures*

Personal precautions:	No special measures required.
Environmental precautions:	Prevent contamination of soils, drains and surface water.
Methods of cleaning/absorption:	Take up mechanically and collect in suitable containers for disposal. Avoid dust formation. Take precautionary measures against static discharges; risk of dust explosion.

**7. Handling and Storage**

*Handling*

Instructions on safe handling:	No special measures necessary if properly handled. Avoid formation of dust.
Information on fire and explosion protection:	Keep away from sources of ignition - do not smoke. Take measures to prevent electricity static discharge. Dust in combination with air can form an explosive compound.

*Storage*

Storage conditions:	Store in a cool and dry place.
Storage class (VCI):	11; Combustible solids

**8. Exposure Controls/Personal Protection**

Technical protective measures:	Provide adequate ventilation.
Parameters to be controlled (DE):	---

*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 while working. Wash hands before breaks and at the end of work. 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**

*General Information*

Form:	powder
Color:	yellow
Odor:	odorless
Melting temperature:	not determined
Flash point:	not applicable
Self-ignition:	290°C
Thermal decomposition:	> 330°C (heat rate: 3 K/min)
Burning class:	3
Density:	1.59 g/cm <sup>3</sup> (20°C)

Bulk density:	160 kg/m <sup>3</sup>
Solubility in water:	< 0.02 mg/l (20°C)
pH-Value:	5.5 - 8.5
Coefficient of variation (n-Octanol/Water):	not determined

## 10. Stability and Reactivity

Reactivity:	Thermal decomposition.
Chemical stability:	Stable if used according to specifications.
Réactions dangereuses:	None if handled and stored according to specifications.
Conditions to be avoided:	Avoid formation of dust.
Substances to be avoided:	There are no known products which are incompatible with this product.
Hazardous decomposition products:	None if handled according to specifications.

## 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)

## 12. Ecological Information

Persistency and Degradability:	No information available.
Bioaccumulation:	No information available.
Mobility:	No information available.
<i>Ecological effects</i>	
Aquatic toxicity:	:
- Daphnia toxicity:	EC50: > 100 mg/l (48h, Daphnia magna) (OECD 202)
- Bacteria toxicity:	NOEC: > 100 mg/l (3h, active sludge; OECD 209)
Further ecological effects:	No special effects or hazards known.
<i>Further information</i>	
Water hazard class:	1

## 13. Disposal Considerations

### *Methods*

Product: Dispose of according to official national and local regulations.  
Uncleaned packaging: Packaging that may not be disposed of in the same manner as the product.

## 14. Transport Information

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

## 15. Regulatory Information

### *National Regulations (D)*

:

Water hazard class: 1, slightly hazardous for water

### *Chemical safety assessment*

Chemical safety assessment: No Chemical Safety Assessment (CSA) is yet available for the substance, or for the component substances, contained in 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.