

## 21010 - Cadmium Yellow Lemon, No. 1

Revised edition: 01.09.2009

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

#### *Identification of the Product*

Product Name: Cadmium Yellow Lemon, No. 1  
Article No.: 21010  
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

### 2. Hazard Identification

Hazard designation: No labelling required.  
Additional information: Prolonged or repeated exposure above Occupational Exposure Standards may cause lung or kidney damage.  
Cadmium pigments are much less hazardous than other cadmium compounds as they are extremely insoluble.

### 3. Composition/Information on Ingredients

Chemical Characterization: Inorganic pigment, inorganic salt.  
Hazardous Ingredients: Cadmium zinc sulfide yellow 50-100%  
CAS-Nr: 8048-07-5 EINECS-Nr: 232-466-8 EC-Nr:

### 4. First Aid Measures

After inhalation: Take affected person to fresh air and keep calm.  
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. In case of discomfort seek medical help.  
After ingestion: Rinse mouth thoroughly with plenty of water and drink plenty of water. Consult physician.

### 5. Fire-Fighting Measures

Suitable extinguishing media: Use extinguishing media for surrounding fire.  
Unsuitable extinguishing media: None known.  
Protective equipment: Usual measures for chemical fires.

### 6. Accidental Release Measures

Personal precautions: Ensure adequate ventilation.  
Wear protective clothing.  
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 and static discharges. Wear protective gear and self-contained breathing apparatus.

## 7. Handling and Storage

### *Handling*

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

### *Storage*

Storage conditions: No special measures required.

Storage compatibility: No special measures required.

## 8. Exposure Controls/Personal Protection

Additional information about design of technical systems: While working with the product, the air at the work station has to be controlled and the exposed person observed.

Components with workplace control parameters (Germany): TWA: 0.015 mg/m<sup>3</sup> (general dust value) ref. to Cd

### *Personal protective equipment*

General protective measures: Keep away from foodstuffs and drinks. Do not eat, drink or smoke during work. Wash hands before breaks and at the end of the shift.

Respiratory protection: None required under normal operating conditions.

Protective glove material: Protective gloves (nitrile rubber).

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

Body protection: Protective clothing.

## 9. Physical and Chemical Properties

Form: powder

Color: pale yellow

Odor: odorless

Melting temperature: > 1000°C

Density: 3 - 5 g/cm<sup>3</sup>

Solubility in water: insoluble

## 10. Stability and Reactivity

Thermal decomposition/Conditions to be avoided: No information available.

Substances to be avoided: No information available.

Hazardous decomposition products: No information available.

## 11. Toxicological Information

### *Acute toxicity*

LD50, oral: > 5000 mg/kg (rat)

### *Primary effects*

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Irritant effect on skin:	Powder can cause local irritation in skin folds or beneath tightly worn clothes.
Irritant effect on eyes:	No information available.
Sensitization:	No information available.
Further toxicological effects:	The above data are based on the containing pigment.

### 12. Ecological Information

Elimination (Persistency and Degradability):	Method is not applicable for inorganic substances.
Environmental Behaviour:	No information available.

#### *Ecological effects*

Aquatic toxicity:	The above data are based on the containing pigment.
- Fish toxicity:	LC50: > 1000 mg/l
- Daphnia toxicity:	EC50: 20 mg/l (48h)

#### *Further information*

Water hazard class:	1
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### 13. Disposal Considerations

Product:	In accordance with current regulations, product has to be taken to a special waste disposal site, after consultation with site operator and/or with the responsible authority. Product may not be burned.
Uncleaned packaging:	Empty containers can be landfilled after cleaning, when in compliance with the Environmental Protection (Duty of Care) Regulations 1991.

### 14. Transport Information

Further information:	Not classified as a dangerous good under transport regulations.
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### 15. Regulatory Information

Designation according to EC Guidelines:	The material is not subject to classification according to EC lists.
Safety Phrases:	S21 When using do not smoke. S20 When using do not eat or drink. S13 Keep away from food, drink and animal feeding stuffs. S07 Keep container tightly closed.

### 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.