

# Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)



## 23300 Permanent Yellow light

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Revised edition: 10.02.2016

Version: 6

Printed: 12.01.2017

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

#### 1.1. Product Identifier

*Product Name:* Permanent Yellow light

*Article No.:* 23300

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

*Identified uses:*

*Chemical-technical industry  
Paint and varnish industry  
Plastics industry.  
Printing inks*

*Uses advised against:*

#### 1.3. Details of the Supplier of the Safety Data Sheet (Producer/Importer)

*Company:* Kremer Pigmente GmbH & Co. KG

*Address:* Hauptstr. 41-47, 88317 Aichstetten, Germany

*Tel./Fax.:* Tel +49 7565 914480, Fax +49 7565 1606

*Internet:* www.kremer-pigmente.de

*EMail:* info@kremer-pigmente.de

*Importer:* --

#### 1.4. Emergency No.

*Emergency No.:* +49 7565 914480 (Mon-Fri 8:00 - 17:00)

### 2. Hazards Identification

#### 2.1. Classification of the Substance or Mixture

*Classification according to Regulation  
(EC) No. 1272/2008 (CLP/GHS)*

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

*Classification according to Directive No.  
67/548/EC or No. 1999/45/EC*

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

*Safety Phrases:*

*Possible Environmental Effects:*

#### 2.2. Label Elements

*Classification according to Regulation  
(EC) No. 1272/2008 (CLP/GHS)*

*No classification required according to the CLP/GHS guidelines.*

*Hazard designation:*

*Not applicable.*

*Signal word:*

*Hazard designation:*

*Safety designation:*

*Hazardous components for labelling:*

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### 2.3. Other Hazards

*Risk of dust explosion.*

## 3. Composition/Information on Ingredients

### 3.1. Substance

### 3.2. Mixture

*Chemical Characterization:* Pigment Yellow 151, C.I. 13980

*Information on Components / Hazardous Ingredients:*

2-[[1-[[2,3-dihydro-2-oxo-1H-benzimidazol-5-yl) amino]carbonyl]-2-oxopropyl]azo]benzoic acid;  
REACH Reg. No. 01-2119960637-27-0000

CAS-Nr: 31837-42-0  
EINECS-Nr: 250-830-4  
EC-Nr:

*Additional information:*

## 4. First Aid Measures

### 4.1. Description of the First Aid Measures

*General information:*

*Seek medical attention in case of complaints.*

*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. In case of discomfort seek medical help.*

*After ingestion:*

*Do not induce vomiting. Consult physician immediately.*

### 4.2. Most important Symptoms and Effects, both Acute and Delayed

*Symptoms:*

*No further information available.*

*Effects:*

### 4.3. Indication of any Immediate Medical Attention and special Treatment needed

*Treatment:*

*Treat symptomatically.*

## 5. Fire-Fighting Measures

### 5.1. Extinguishing Media

*Suitable extinguishing media:*

*Foam, water jet.*

*Unsuitable extinguishing media:*

*Carbon dioxide, water jet, dry extinguishing powder.*

### 5.2. Special Hazards arising from the Substance or Mixture

*Special hazards:*

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*In case of fire: formation of carbon oxides, nitrogen oxides.  
Product may cause an explosive mixture of organic dust and air.*

### 5.3. Advice for Firefighters

*Protective equipment:*

*Wear self-contained respiratory protective device.*

*Further information:*

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## 6. Accidental Release Measures

### 6.1. Personal Precautions, Protective Equipment and Emergency Procedures

*Personal precautions:*

*Avoid formation of dust, wear protective clothing.  
Keep away from sources of ignition. No smoking.*

### 6.2. Environmental Precautions

*Environmental precautions:*

*Prevent contamination of soil, drains and surface waters.*

### 6.3. Methods and Material for Containment and Cleaning Up

*Methods and material:*

*Take up mechanically and collect in suitable containers for disposal. Avoid dust formation.*

### 6.4. Reference to other Sections

*Keep away from ignitable sources.  
For information for safe handling see Section 7.  
See Section 13 for information on disposal.*

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## 7. Handling and Storage

### 7.1. Precautions for Safe Handling

*Instructions on safe handling:*

*No special measures necessary if properly handled.  
Avoid formation of dust.*

*Hygienic measures:*

*Do not inhale dust. Wash hands before breaks and at the end of work.*

### 7.2. Conditions for Safe Storage, including any Incompatibilities

*Storage conditions:*

*Store in tightly sealed containers in a dry room.  
Do not store together with food stuff and animal feed.*

*Requirements for storage areas and containers:*

*Store the product in the original container.*

*Information on fire and explosion protection:*

*Take measures to prevent static electricity discharge, earth/ground all equipment.  
Keep away from sources of ignition - do not smoke.  
Dust may form an explosive mixture with air.*

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*ST1 Capable of dust explosion*

*Storage class (VCI):*

*11; Combustible solids*

*Further Information:*

### 7.3. Specific End Use(s)

*Further information:*

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## 8. Exposure Controls/Personal Protection

### 8.1. Parameters to be Controlled

*Parameters to be controlled (DE):*

*Does not contain any components with workplace limit values.*

*Parameters to be controlled:*

*Derived No-Effect Level (DNEL):*

*Predicted No-Effect Concentration (PNEC):*

*Additional Information:*

### 8.2. Exposure Controls

*Technical protective measures:*

*Provide adequate ventilation/exhaust system.*

*Personal Protection*

*General protective measures:*

*Remove contaminated clothing immediately.*

*Wash contaminated clothes before reuse.*

*Preventive skin protection by applying protective cream.*

*Wash hands before breaks and after work.*

*Respiratory protection:*

*In case of formation of dust.*

*Hand protection:*

*Protective gloves (EN 374)*

*Protective glove material:*

*Nitrile rubber*

*Eye protection:*

*Safety glasses (EN 166)*

*Body protection:*

*Protective clothing.*

*Environmental precautions:*

*Prevent from getting into the soil, surface water and sewage system.*

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## 9. Physical and Chemical Properties

### 9.1. Information on Basic Physical and Chemical Properties

*Form:*

*powder*

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|  |  |
|--|--|
| <i>Color:</i>                                      | <i>yellow</i>                                      |
| <i>Odor:</i>                                       | <i>product specific</i>                            |
| <i>Odor threshold:</i>                             | <i>No information available.</i>                   |
| <i>pH-Value:</i>                                   | <i>5.5 - 8.5</i>                                   |
| <i>Melting temperature:</i>                        | <i>not determined</i>                              |
| <i>Boiling temperature:</i>                        | <i>not available</i>                               |
| <i>Flash point:</i>                                | <i>not applicable</i>                              |
| <i>Evaporation rate:</i>                           | <i>This product is a non-volatile solid.</i>       |
| <i>Flammability (solid, gas):</i>                  | <i>not flammable</i>                               |
| <i>Upper explosion limit:</i>                      | <i>no information available</i>                    |
| <i>Lower explosion limit:</i>                      | <i>no information available</i>                    |
| <i>Vapor pressure:</i>                             | <i>not applicable</i>                              |
| <i>Vapor density:</i>                              | <i>This product is a non-volatile solid.</i>       |
| <i>Density:</i>                                    | <i>1.55 g/cm<sup>3</sup></i>                       |
| <i>Solubility in water:</i>                        | <i>17.8 µg/l (25°C)</i>                            |
| <i>Coefficient of variation (n-Octanol/Water):</i> | <i>1.07 logPOW (25°C)</i><br><i>not determined</i> |
| <i>Auto-ignition temperature:</i>                  | <i>&gt; 320°C (VDI 2263)</i>                       |
| <i>Decomposition temperature:</i>                  | <i>&gt; 330°C</i><br><i>(heat rate: 3 K/min)</i>   |
| <i>Viscosity, dynamic:</i>                         | <i>not applicable</i>                              |
| <i>Explosive properties:</i>                       | <i>Risk of dust explosion.</i>                     |
| <i>Oxidizing properties:</i>                       | <i>not oxidizing</i>                               |
| <i>Bulk density:</i>                               | <i>230 kg/m<sup>3</sup> (20°C)</i>                 |

### 9.2. Further Information

*Solubility in solvents:*

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*Viscosity, kinematic*

*Burning class:*

*BZ3*

*Local burning without spreading (20°C)*

*Solvent content:*

*Solid content:*

*Particle size:*

*4 µm*

*Other information:*

*Minimum ignition energy: 6 - 13 mJ*

*Minimum ignition energy: 13 - 30 mJ*

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### 10. Stability and Reactivity

#### 10.1. Reactivity

*Stable if used according to specifications.*

#### 10.2. Chemical Stability

*Stable if used according to specifications.*

#### 10.3. Possibility of Hazardous Reactions

*Risk of dust explosion.*

#### 10.4. Conditions to Avoid

*Conditions to avoid:*

*Avoid heat, open fire and other ignition sources.*

*Thermal decomposition:*

#### 10.5. Incompatible Materials

*None known.*

#### 10.6. Hazardous Decomposition Products

*None if stored and handled according to specifications.*

#### 10.7. Further Information

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### 11. Toxicological Information

#### 11. 1. Information on Toxicological Effects

*Acute Toxicity*

*LD50, oral:*

*> 15000 mg/kg (rat; OECD 401)*

*LD50, dermal:*

*No information available.*

*LC50, inhalation:*

*> 709 mg/l (4h, rat)*

*Primary effects*

*Irritant effect on skin:*

*Non irritating (rabbit)*

*Irritant effect on eyes:*

*Non-irritating to eyes (rabbit; OECD 405)*

*Inhalation:*

*No information available.*

*Ingestion:*

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*No information available*

*Sensitization:*

*Not sensitizing (mouse; OECD 429).*

*Mutagenicity:*

*In vivo genetic-toxicity: micronucleus negative (3h, 50 - 500 - 5000 mg/kg, mouse m/f; OECD 474)*

*In vitro genetic-toxicity: PRIVAL Modification of AMES Test for Azo Dyes: Conc.: 3 - 5000 (Salmonella typhimurium; OECD 471): negative*

*In vitro genetic-toxicity: PRIVAL Modification of AMES Test for Azo Dyes: Conc.: 3 - 5000 (Escherichia coli; OECD 471): negative  
Not mutagenic.*

*Reproductive toxicity:*

*First Generation Study*

*NOAEL Parents: 1000 mg/kg (Exposure period: 4 w (m), 7 w (f), Frequency of treatment: once daily, Expo-time before mating/male: 14d, Expo-time before mating/female: 14d, Dosage: 100 - 300 - 1000 mg/kg, rat, male/female)*

*NOAEL F1: 1000 mg/kg (Exposure period: 4 w (m), 7 w (f), Frequency of treatment: once daily, Expo-time before mating/male: 14d, Expo-time before mating/female: 14d, Dosage: 100 - 300 - 1000 mg/kg, rat, male/female) (OECD 421)*

*No reproductive toxicity expected.*

*Cancerogenity:*

*No relevant data found.*

*Teratogenicity:*

*NOAEL: 1000 mg/kg (4 w (m), 7 w (f), once daily, dosage: 100 - 300 - 1000 mg/kg, rat, male/female)*

*NOAEL (maternal): 1000 mg/kg (4 w (m), 7 w (f), once daily, dosage: 100 - 300 - 1000 mg/kg, rat, male/female)*

*No teratogenic effects expected.*

*Specific target organ toxicity (STOT):*

*Single exposure: the substance or mixture is not classified as specific target organ toxicant.*

*Repeated exposure: the substance or mixture is not classified as specific target organ toxicant.*

*Repeated exposure: Subacute toxicity (oral): NOAEL: 1000 mg/kg (40 - 49d, once daily, Dosage: 100 - 300 - 1000 mg/kg, rat male/female)*

*Additional toxicological information:*

*Aspiration hazard: not applicable*

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## 12. Ecological Information

### 12.1. Aquatic Toxicity

*Fish toxicity:*

*EC0: 1 mg/l (96h, Danio rerio; OECD 203)*

*LC50: > 1 mg/l (96h, Danio rerio; OECD 203)*

*Daphnia toxicity:*

*NOEC: > 100 mg/ml (48h, Daphnia magna; OECD 202)*

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*Chronic toxicity: NOEC: 1 mg/l (21d, Daphnia magna; OECD 211)*

### *Bacteria toxicity:*

*EC50: > 1000 mg/l (3h; active sludge; OECD 209)*

*Toxicity to soil dwelling organisms:*

*NOEC: 1000 mg/kg (56d, Eisenia foetida; OECD 222)*

*LOEC: > 1000 mg/kg (56d, Eisenia foetida; OECD 222)*

*Toxicity to Terrestrial Plants:*

*NOEC: 1000 mg/kg (21d, Brassica napus; OECD 208)*

*NOEC: 1000 mg/kg (21d, Avena sativa; OECD 208)*

*NOEC: 1000 mg/kg (21d, Dicotyledonae: Glycine max; OECD 208)*

### *Algae toxicity:*

*EC50: > 1 mg/l (72h, Desmodium subspicatus; OECD 201)*

*NOEC: 1 mg/l (72h, Desmodium subspicatus; OECD 201)*

*EC50 (Biomass): > 1 mg/l (72h, Desmodium subspicatus; OECD 201)*

*NOEC (Biomass): 1 mg/l (72h, Desmodium subspicatus; OECD 201)*

## 12. 2. Persistency and Degradability

*10 % (28d); not readily biodegradable (OECD 302C)*

## 12. 3. Bioaccumulation

*Product only has a low bioaccumulation.*

*logPOW: < 3*

## 12. 4. Mobility

*Not expected to adsorb on soil.*

## 12. 5. Results of PBT- und vPvP Assessment

*This substance is not classified as PBT (persistent, bioaccumulative, toxic), nor as vPvB (very persistent, very bioaccumulative).*

## 12. 6. Other Adverse Effects

### *Water hazard class:*

*1 (German Regulation) (Assessment by list): slightly hazardous.*

### *Behaviour in sewage systems:*

### *Further ecological effects:*

*Do not let product enter waterways or sewage system.*

### *AOX Value:*

---

## 13. Disposal Considerations

### 13. 1. Waste Treatment Methods

#### *Product:*

*Dispose of according to official national and local regulations.*

#### *European Waste Code (EWC):*

#### *Uncleaned packaging:*

*Packaging may be disposed of in the same manner as the product.*

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Waste Code No.:

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### 14. Transport Information

#### 14.1. UN Number

ADR, IMDG, IATA

#### 14.2. UN Proper Shipping Name

ADR/RID:

*No hazardous goods according to ADR (land transportation).*

IMDG/IATA:

*No hazardous goods according to IMDG.*

#### 14.3. Transport Hazard Classes

ADR Class:

*not applicable*

Hazard no.:

Classification code:

Tunnel restriction code:

IMDG Class (sea):

Hazard no.:

EmS No.:

IATA Class:

*not applicable*

Hazard no.:

#### 14.4. Packaging Group

ADR/RID:

IMDG:

IATA:

#### 14.5. Environmental Hazards

*None*

#### 14.6. Special Precautions for User

*Not classified as a dangerous good under transport regulations.*

#### 14.7. Transportation in Bulk according to Annex II of MARPOL 73/78 and IBC-Code

*not applicable*

#### 14.8. Further Information

*Do not store together with foodstuffs.*

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### 15. Regulatory Information

#### 15.1. Safety, Health and Environmental Regulations/Legislation specific for the Substance or Mixture

Water hazard class:

*1, slightly hazardous for water (German Regulation, Assessment by list)*

Local regulations on chemical accidents:

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*Employment restrictions:*

*Restriction and prohibition of application:*

*EC. REACH, Section XVII, Restrictions on the Manufacture, Placing on the Market and Use of Certain Dangerous Substances, Preparations and Articles: not applicable*

*Technical instructions on air quality:*

### 15.2. Chemical Safety Assessment

*A Chemical Safety Assessment has been carried out for this product.*

### 15.3. Further Information

*Regulation (EC) 649/2012 concerning the export and import of dangerous chemicals: Not applicable*

*Regulation (EC) 1005/2009 - Substances that Deplete the Ozone Layer: not regulated / not applicable*

*Regulation (EC) 850/2004 - Persistent organic pollutants and amending Directive 79/117/EEC: not regulated / not applicable*

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### 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.*