

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

### *Identification of the Product*

Product Name: Phthalo Green dark  
Article No.: 23000  
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 914480, Fax +49 7565 1606  
Internet: www.kremer-pigmente.de, kremer-pigmente@t-online.de  
Emergency No.: +49 7565 914480, Mon-Fri 8:00 - 17:00

## 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: Copper-phthalocyanine halogenated.  
C.I. Pigment Green 7

## 4. First Aid Measures

After inhalation: Take affected person to fresh air and seek medical advice in case of complaints.  
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. Consult physician.  
After ingestion: Rinse mouth with water and drink plenty of water.  
Information for physician: Treat symptomatically.

## 5. Fire-Fighting Measures

Suitable extinguishing media: Extinguishing powder, foam.  
Unsuitable extinguishing media: Carbon dioxide (CO<sub>2</sub>)  
Protective equipment: Use self-containing breathing apparatus.  
Special hazards: In case of fire: hazardous vapors may be released. Development of fumes/aerosol.  
Further information: Contaminated extinguishing water and debris should be disposed of according to local regulations.

## 6. Accidental Release Measures

Personal precautions: Respiratory protection in case of formation of vapors/dust/aerosol.  
Environmental precautions: Prevent contamination of soil, drains and surface waters.  
Methods of cleaning/absorption: Contain with dust binding material and dispose accordingly.

## 7. Handling and Storage

### *Handling*

Instructions on safe handling: Respiratory protection when handling without exhaust system.  
Information on fire and explosion protection: Avoid dust formation.  
Take precautionary measures against static discharges.

### *Storage*

Storage conditions: Store in tightly sealed containers in a dry and cool room.  
Storage class (VCI): 13; Non combustible solids.

## **8. Exposure Controls/Personal Protection**

Additional information about design of technical systems: No further measures, see Section 7.

### *Personal protective equipment*

General protective measures: The usual precautionary measures are to be adhered to when handling chemicals.  
Respiratory protection: Suitable respiratory protection for lower concentration or short-term effect: particle filter with medium efficiency for solid and liquid particles (e.g. EN 143 or 149, type P2 or FFP2).  
Eye protection: Safety glasses  
Safety glasses with protective shields (EN 166).

## **9. Physical and Chemical Properties**

Form: powder  
Color: green  
Odor: odorless  
Melting temperature: > 200°C  
Flash point: not applicable  
Self-ignition: 378°C  
Explosion risk: Product does not present an explosion hazard.  
Density: 2 - 3 g/cm<sup>3</sup> (20°C)  
Bulk density: 500 kg/m<sup>3</sup>  
Solubility in water: insoluble  
pH-Value: 6 - 9

## **10. Stability and Reactivity**

Thermal decomposition/Conditions to be avoided: Avoid humidity.  
Stable if used according to specifications.  
Hazardous reactions: None if used according to specifications.  
The product is not dust explosive when delivered. The accumulation of fine dust can however increase the risk of dust explosion.

## **11. Toxicological Information**

### *Acute toxicity*

Revised edition: 28.01.2011

LD50, oral:	> 5000 mg/kg (rat)
LD50, dermal:	> 5000 mg/kg (rat)
<i>Primary effects</i>	
Irritant effect on skin:	Non irritating (rabbit)
Irritant effect on eyes:	Non-irritating to eyes (rabbit)

## 12. Ecological Information

Elimination (Persistency and Degradability):	Not readily biodegradable.  Can be eliminated from water by chemical adsorption.
Environmental Behaviour:	Due to its low solubility the product may be removed from water mechanically in suitable effluent treatment plants.
- Fish toxicity:	LC50: > 500 mg/l (96h, <i>Lepomis macrochirus</i> ) LC50: 100-500 mg/l (96h, <i>Oncorhynchus mykiss</i> )
- Bacteria toxicity:	EC50: > 500 mg/l (0.5h, <i>Pseudomonas putida</i> )
Further ecological effects:	The product contains about 5.8 % copper bound as a complex.
AOX Value:	The product contains about 50 % organically bound halogen (calculated as Cl).  The halogen value can account for the AOK-value of waste water.
Result of the PBT properties:	The contents of the preparation do not comply with the criteria for the classification as PBT or vPvB.
<i>Further information</i>	
Water hazard class:	1

## 13. Disposal Considerations

Product:	In accordance with current regulations, product may be taken to a waste disposal site or incineration plant, after consultation with site operator and/or with the responsible authority.
Uncleaned packaging:	Clean packaging material can be recycled. Dispose according to product.

## 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.
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.