

23050 - Phthalo Blue

Revised edition: 24.03.2005

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

Identification of the Product

Product Name: Phthalo Blue
Article No.: 23050
Use of the Substance/Preparation: Artists' and Restoration Material

Company

Company: Kremer Pigmente GmbH & Co. KG
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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: Copper phthalocyanine, C.I. Pigment Blue 15:1
EC No.: 205-685-1

4. First Aid Measures

After inhalation: Supply fresh air and keep patient calm.
After skin contact: Remove contaminated clothing. Wash off immediately with plenty of water and soap.
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: Foam, extinguishing powder, water spray.
Unsuitable extinguishing media: Carbon dioxide (CO₂)
Protective equipment: Wear self-contained respiratory protective device.
Special hazards: In case of fire: hazardous gases/vapours may be released.
Further information: Avoid formation of dust: risk of dust explosion.
Dispose of fire debris and contaminated extinguishing water in accordance with local regulations.

6. Accidental Release Measures

Personal precautions: Avoid formation of dust, wear protective clothing.

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Environmental precautions:	Keep spills and cleaning runoff out of municipal sewers and open bodies of water.
Methods of cleaning/absorption:	Small spills: Clean up with suitable appliance and dispose adequately. Large spills: Contain with dust binding material and dispose accordingly. Avoid dust formation.

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. Protect against electrostatic charging.

Storage

Storage conditions:	Store in tightly sealed containers in a dry and cool room.
Storage class (VCI):	11; Combustible solids

8. Exposure Controls/Personal Protection

Technical protective measures:	No further measures, see Section 7.
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Personal protective equipment

General protective measures:	The usual precautionary measures are to be adhered to when handling chemicals. Protective clothing recommended due to the coloring effects of the product.
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).
Hand protection::	Chemical protective gloves (EN 374). The manufacturer's directions for use should be observed because of the great diversity of types.
Protective glove material:	Nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), polyvinyl chloride (0.7 mm).
Eye protection:	Safety glasses with protective shields (EN 166).

9. Physical and Chemical Properties

Form:	powder
Color:	blue
Odor:	odorless
Melting temperature:	> 180°C
Explosion risk:	Risk of dust explosion.
Density:	1.6 g/cm ³ (20°C)
Bulk density:	125 - 500 kg/m ³
Solubility in water:	insoluble

10. Stability and Reactivity

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Thermal decomposition/Conditions to be avoided:	Avoid humidity.
Hazardous reactions:	Risk of dust explosion.
Hazardous decomposition products:	None if stored and handled according to specifications.

11. Toxicological Information

Acute toxicity

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

Primary effects

Irritant effect on skin: Non irritating (rabbit)
Irritant effect on eyes: Non-irritating to eyes (rabbit)

12. Ecological Information

Elimination (Persistency and Degradability): 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, *Leuciscus idus*)
- Daphnia toxicity: EC50: > 500 mg/l (48h, *Daphnia magna*)
- Bacteria toxicity: EC50: > 1000 mg/l (*Pseudomonas putida*)

Behaviour in sewage system: No impairment of the biodegradability of active sludge expected when small amounts are discharged in biological sewage plants.

Further ecological effects: The product contains about 10.5 % copper bound as a complex.

AOX Value: approx. 3 %.

Product contains organically bound halogen.

Further information

Water hazard class: 0

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: Uncontaminated packaging may be recycled.
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

Chemical safety assessment: No information available.

Technical instructions on air quality: 3.1.3

Water hazard class: 0, not hazardous

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.