

# Safety Data Sheet

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



## 23060 Phthalo Blue Royal Blue

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Revised edition: 04.11.2015

Version: 4.0

Printed: 28.03.2017

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

#### 1.1. Product Identifier

*Product Name:* Phthalo Blue Royal Blue

*Article No.:* 23060

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

*Identified uses:*  
Coloring agent for dye and varnish industry

*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

*E-Mail:* 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)*

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

*Hazard designation:*

*Not applicable.*

*Signal word:*

*Hazard designation:*

**EUH208**

**May produce an allergic reaction.**

*Safety designation:*

*Hazardous components for labelling:*

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### 2.3. Other Hazards

*This product is capable of dust explosion under certain circumstances.*

*Can cause allergic reactions.*

*Contains [N,N,N',N',N'',N''-Hexaethyl-29H,31H-phthalocyanine trimethylamino(2-)-N29,N30,N31,N32]copper*

### 3. Composition/Information on Ingredients

#### 3.1. Substance

#### 3.2. Mixture

*Chemical Characterization: Copper phthalocyanine. Pigment Blue 15:3, C.I. 74160*

*Information on Components / Hazardous Ingredients:*

<i>[N,N,N',N',N'',N''-Hexaethyl-29H,31H-phthalocyanine trimethylamino(2-)-N29,N30,N31,N32]copper (Xi; R43; Skin.Sens.1B, H317); REACH Reg. No. 01-2119971074-38</i>	<i>0.3 - 3 %</i>	<i>CAS-Nr: 28654-73-1 EINECS-Nr: 249-125-4 EC-Nr:</i>
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*Additional information:*

### 4. First Aid Measures

#### 4.1. Description of the First Aid Measures

*General information:*

*Take affected persons out into the fresh air.*

*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.*

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

*Symptoms:*

*Headache, dizziness, nausea, unconsciousness, dry and chapped skin.*

*Effects:*

*No further information available.*

#### 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:*

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*Extinguishing powder, foam.*

*Unsuitable extinguishing media:*

*Carbon dioxide (CO<sub>2</sub>)*

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

*Special hazards:*

*In case of fire: hazardous gases/vapors may be released.  
Do not inhale fumes.*

### 5.3. Advice for Firefighters

*Protective equipment:*

*Wear self-contained respiratory protective device.*

*Further information:*

*Contaminated extinguishing water and debris should be disposed  
of according to local regulations.  
Avoid formation of dust: risk of dust explosion.*

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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.*

### 6.2. Environmental Precautions

*Environmental precautions:*

*Keep spills and cleaning runoff out of municipal sewers and open  
bodies of water.*

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

*Methods and material:*

*Small spills:*

*Clean up with suitable appliance and dispose adequately.*

*Large spills:*

*Contain with dust binding material and dispose accordingly.*

*Avoid dust formation.*

### 6.4. Reference to other Sections

*Protective clothing, see Section 8.*

*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:*

*Respiratory protection when handling without exhaust system.*

*Hygienic measures:*

*Wash hands at the end of work. Preventive skin protection  
recommended.*

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

*Storage conditions:*

*Store in tightly sealed containers in a dry and cool room.*

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*Requirements for storage areas and containers:*

*No special measures necessary.*

*Information on fire and explosion protection:*

*Avoid dust formation. Protect against electrostatic charging.*

*Storage class (VCI):*

*13; Non combustible solids*

*Further Information:*

### 7.3. Specific End Use(s)

*Further information:*

*See Section 1.2.; no other uses provided*

## 8. Exposure Controls/Personal Protection

### 8.1. Parameters to be Controlled

*Parameters to be controlled (DE):*

*Barium sulphate: AGW: 1.25 mg/m<sup>3</sup> (airborne); 10 mg/m<sup>3</sup> (inhalable); 2(II)*

*Category II: substances with a resorptive effect.*

*Parameters to be controlled:*

*Derived No-Effect Level (DNEL):*

*Predicted No-Effect Concentration (PNEC):*

*Additional Information:*

### 8.2. Exposure Controls

*Technical protective measures:*

*No further measures, see Section 7.*

*Personal Protection*

*General protective measures:*

*Protective clothing recommended due to the coloring effects of the product.*

*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).*

*Hand protection:*

*Chemical protective gloves (EN 374 (Europe), F739 (US)).*

*The manufacturer's directions for use should be observed because of the great diversity of types.*

*Protective glove material:*

*Recommended: Protective index 6, > 480 min. of permeation time accord. EN 374.*

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*Nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), polyvinyl chloride (0.7 mm).*

*Eye protection:*

*Safety glasses with protective shields (EN 166).*

*Body protection:*

*Environmental precautions:*

*Do not allow entering sewerage system.*

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### 9. Physical and Chemical Properties

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

*Form:* powder

*Color:* blue

*Odor:* odorless

*Odor threshold:*  
*No information available.*

*pH-Value:* 7 - 10

*Melting temperature:* > 180°C (1013 hPa)

*Boiling temperature:*  
*not determined*

*Flash point:*  
*not applicable*

*Evaporation rate:*  
*This product is a non-volatile solid.*

*Flammability (solid, gas):*  
*not easily flammable*

*Upper explosion limit:*  
*no information available*

*Lower explosion limit:*  
*no information available*

*Vapor pressure:*  
*not applicable*

*Vapor density:*  
*This product is a non-volatile solid.*

*Density:* ca. 1.6 g/cm<sup>3</sup> (20°C)

*Solubility in water:* insoluble

*Coefficient of variation (n-Octanol/Water):*  
*not applicable*

*Auto-ignition temperature:* > 500°C  
*Product is not auto-ignitable.*

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*Decomposition temperature:*

*No decomposition if used according to specifications.*

*Viscosity, dynamic:*

*not applicable*

*Explosive properties:*

*Product does not present an explosion hazard.  
Risk of dust explosion.*

*Oxidizing properties:*

*not oxidizing*

*Bulk density:*

*ca. 380 kg/m<sup>3</sup>*

### 9.2. Further Information

*Solubility in solvents:*

*Viscosity, kinematic*

*Burning class:*

*Solvent content:*

*Solid content:*

*Particle size:*

*Other information:*

*Self-heating ability: This product is not self-heating.  
Hygroscopy: not hygroscopic*

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## 10. Stability and Reactivity

### 10.1. Reactivity

*No decomposition 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 formation of dust.*

*Thermal decomposition:*

### 10.5. Incompatible Materials

*No information available.*

### 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:*

*> 5000 mg/kg (rat)*

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<i>LD50, dermal:</i>	> 2000 mg/kg (rat)
<i>LC50, inhalation:</i>	No information available.
<i>Primary effects</i>	
<i>Irritant effect on skin:</i>	Non irritating (rabbit; OECD 404)
<i>Irritant effect on eyes:</i>	Non-irritating to eyes (rabbit; OECD 405)
<i>Inhalation:</i>	No information available.
<i>Ingestion:</i>	No information available
<i>Sensitization:</i>	No sensitizing effects known.
<i>Mutagenicity:</i>	No mutagenic effects observed.
<i>Reproductive toxicity:</i>	No negative effects.
<i>Carcinogenicity:</i>	No negative effects.
<i>Teratogenicity:</i>	No information available.
<i>Specific target organ toxicity (STOT):</i>	No negative effects.
<i>Additional toxicological information:</i>	Aspiration hazard: not applicable By analogy with a product of similar composition.

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## 12. Ecological Information

### 12.1. Aquatic Toxicity

<i>Fish toxicity:</i>	LC50: > 100 mg/l (96h, <i>Leuciscus idus</i> )
<i>Daphnia toxicity:</i>	EC50: > 100 mg/l (48h, <i>Daphnia magna</i> ) NOEC: > 1 mg/l (21d, <i>Daphnia magna</i> ; OECD 211)
<i>Bacteria toxicity:</i>	EC50: > 100 mg/l ( <i>Pseudomonas putida</i> )
<i>Algae toxicity:</i>	not determined

### 12.2. Persistency and Degradability

Can be eliminated from water by chemical adsorption.

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### 12.3. Bioaccumulation

*Due to its low solubility the product may be removed from water mechanically in suitable effluent treatment plants.*

### 12.4. Mobility

*Not expected to adsorb on soil.*

### 12.5. Results of PBT- und vPvP Assessment

*According to Annex VIII to Regulation (EC) No. 1907/2006 (REACH): this product is neither a PBT (persistent/bioaccumulative/toxic) or vPvB (very persistent/very bioaccumulative/very toxic) substance nor does it contain a PBT or vPvB substance.*

### 12.6. Other Adverse Effects

*Water hazard class:*

*1, slightly hazardous*

*Do not let run into surface waters, waste water or soil.*

*Behaviour in sewage systems:*

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

*Further ecological effects:*

*The product contains copper bound as a complex.*

*The product does not contain any substances which can deplete the ozone layer, according to Section I of EC-Directive 2037/2000/EC.*

*AOX Value:*

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## 13. Disposal Considerations

### 13.1. Waste Treatment Methods

*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.*

*European Waste Code (EWC):*

*Uncleaned packaging:*

*Uncontaminated packaging may be recycled.*

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

*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.*

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### 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:

*not applicable*

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

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

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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:

Employment restrictions:

Restriction and prohibition of application:

Technical instructions on air quality:

### 15.2. Chemical Safety Assessment

*A Chemical Safety Assessment has not yet been carried out for this product.*

### 15.3. Further Information

*Regulation (EC) 2037/2000 - Substances that Deplete the Ozone*

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*Layer: 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.*