

# Safety Data Sheet

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



## 28900 Kremer Color Paste - Phthalo Blue, PB 15:3

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Revised edition: 13.08.2018

Version: 1.1

Printed: 14.01.2019

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

#### 1.1. Product Identifier

*Product Name:* Kremer Color Paste - Phthalo Blue, PB 15:3

*Article No.:* 28900

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

*Identified uses:*

*Coloring agent for industrial purposes*

*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:*

*Safety designation:*

*Hazardous components for labelling:*

**Other Hazards**

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2.3. *Contains a mixture of 5-Chloro-2-methylisothiazolin-3(2H)-one (EG 247-500-7) and 2-Methylisothiazol-3(2H)-one (EG 220-239-6) (3:1): can cause allergic reactions.*

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### 3. Composition/Information on Ingredients

#### 3.1. Substance

#### 3.2. Mixture

*Chemical Characterization: Phthalocyanine copper complex-pigment suspension, containing C.I. Pigment Blue 15:3*

*Information on Components / Hazardous Ingredients:*

*Additional information:*

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### 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. Consult physician if symptoms persist.*

*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 a physician.*

#### 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.*

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### 5. Fire-Fighting Measures

#### 5.1. Extinguishing Media

*Suitable extinguishing media:*

*Water mist, extinguishing powder, foam, carbon dioxide.*

*Unsuitable extinguishing media:*

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

*Special hazards:*

*The container may burst when heated or in case of fire.*

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*In case of fire: formation of carbon oxides, nitrogen oxides, metal oxides, oxides.*

### 5.3. Advice for Firefighters

*Protective equipment:*

*Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.*

*Further information:*

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## 6. Accidental Release Measures

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

*Personal precautions:*

*Wear appropriate protective equipment. Keep spectators away.  
Do not inhale aerosol/fumes/vapors.  
Ensure adequate ventilation.  
Floor may be slippery; use care to avoid falling.*

### 6.2. Environmental Precautions

*Environmental precautions:*

*Prevent contamination of soils, drains and surface water.  
Contact local authorities if product pollutes soil or vegetation.*

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

*Methods and material:*

*Contain with absorbent material (e.g. sand, acid binder, universal binder, sawdust) and collect in appropriate containers for disposal.*

### 6.4. Reference to other Sections

*Dispose of contaminated material according to Section 13.*

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## 7. Handling and Storage

### 7.1. Precautions for Safe Handling

*Instructions on safe handling:*

*Wear adequate protective clothing (see para. 8).  
Avoid contact with eyes, skin and clothing.  
Do not breathe vapors, aerosols.*

*Hygienic measures:*

*Keep away from foodstuffs and drinks. Do not eat, drink or smoke during work. Wash hands before breaks and at the end of work.  
Wash hands before breaks and after work.*

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

*Storage conditions:*

*Store in tightly sealed containers in a dry and cool room.  
Protect product from direct sunlight.  
Do not store together with food stuff and animal feed.*

*Requirements for storage areas and containers:*

*Store the product in the original container.*

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*Information on fire and explosion protection:*

*Storage class (VCI):*

12; Non-combustible liquids

*Further Information:*

Do not store together with incompatible materials (see Section 10)  
When handling bulk ware: protect against cold at -5°C.

In case the product is exposed to cold temperature and thickens resp. freezes, thaw slowly at room temperature, stir it. Product can be used afterwards.

### 7.3. Specific End Use(s)

*Further information:*

## 8. Exposure Controls/Personal Protection

### 8.1. Parameters to be Controlled

*Parameters to be controlled (DE):*

Polyethylene glycol (PEG) (CAS 25322-68-3): TLV: 1000 mg/m<sup>3</sup>  
(inhalable fraction)

Top limit: 8 (II)

*Parameters to be controlled:*

*Derived No-Effect Level (DNEL):*

29H, 31H-phthalocyaninato(2-)-N29,N30,N31,N32 copper:

4 mg/m<sup>3</sup> (worker, inhalation, long-term exposition - systemic effects)

450 mg/kg bw/day (worker, skin contact, long-term exposition - systemic effects)

225 mg/kg bw/day (consumer, skin contact, long-term exposition - systemic effects)

45 mg/kg bw/day (consumer, swallowing, long-term exposition - systemic effects)

*Predicted No-Effect Concentration (PNEC):*

29H, 31H-phthalocyaninato(2-)-N29,N30,N31,N32 copper:

Fresh water sediment: 10 mg/kg dw

Sea water sediment: 1 mg/kg dw

Soil: 1 mg/kg dw

*Additional Information:*

### 8.2. Exposure Controls

*Technical protective measures:*

Provide adequate ventilation.

Facilities storing or utilizing this material should be equipped with an eyewash and shower facility.

*Personal Protection*

*General protective measures:*

Avoid contact with skin and avoid inhalation of vapour. Do not eat,

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*drink or smoke while working.  
Remove contaminated clothing. Wash hands after work.*

*Respiratory protection:*

*In case of formation of dust/vapor.*

*Hand protection:*

*Protective gloves*

*Protective glove material:*

*Nitrile rubber (NBR), polyvinyl chloride (PVC) (< 60 min)  
Polychloropren (CR) (< 60 min)*

*Eye protection:*

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

*Body protection:*

*Protective clothing.*

*Environmental precautions:*

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### 9. Physical and Chemical Properties

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

*Form: liquid*

*Color: blue*

*Odor: mild*

*Odor threshold:*

*No information available.*

*pH-Value: 6 - 8*

*Melting temperature:*

*not determined*

*Boiling temperature:*

*> 100°C*

*Flash point:*

*>100°C*

*Evaporation rate:*

*No information available.*

*Flammability (solid, gas):*

*not applicable*

*Upper explosion limit:*

*no information available*

*Lower explosion limit:*

*no information available*

*Vapor pressure:*

*not determined*

*Vapor density:*

*This product is a non-volatile solid.*

*Density:*

*1.2 g/cm<sup>3</sup> (20°C)*

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*Solubility in water:* *No data available*

*Coefficient of variation (n-Octanol/Water):*  
*no information available*

*Auto-ignition temperature:*  
*not applicable*

*Decomposition temperature:*  
*not determined*

*Viscosity, dynamic:* *< 1000 mPa.s (20°C)*

*Explosive properties:*  
*not applicable*

*Oxidizing properties:*

*Bulk density:*  
*not determined*

### 9.2. Further Information

*Solubility in solvents:*

*Viscosity, kinematic*

*Burning class:*

*Solvent content:*

*Solid content:*

*Particle size:*

*Other information:*

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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

*None if handled and stored according to specifications.*

#### 10.4. Conditions to Avoid

*Conditions to avoid:*

*Avoid heat.*

*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

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### 11.1. Information on Toxicological Effects

#### Acute Toxicity

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

LD50, dermal: > 5000 mg/kg (rabbit)

LC50, inhalation:  
No information available.

#### Primary effects

##### Irritant effect on skin:

Non irritating (mouse; OECD 429)  
Non irritating (guinea pig; OECD 406)

##### Irritant effect on eyes:

Non-irritating to eyes (rabbit)

##### Inhalation:

No information available.

##### Ingestion:

No information available

##### Sensitization:

No relevant data found.

##### Mutagenicity:

In vitro genetic-toxicity: Ames-Test negative (OECD 471)  
Gentoxizität in vitro: DNA Synthesis in Mammalian Cells (OECD 482)

##### Reproductive toxicity:

Did not show any teratogenic effects in animal studies. Animal studies showed no adverse effect on the fertility: 1000 mg/kg (oral, rat (m/w); OECD 421)  
Did not show any teratogenic effects in animal studies: 1000 mg/kg (oral, rat (w); OECD 421)

##### Carcinogenicity:

No relevant data found.

##### Teratogenicity:

No information available.

##### Specific target organ toxicity (STOT):

Single exposure: no information available.  
Repeated exposure: no toxicological effects.  
Repeated exposure: NOAEL (oral): 1000 mg/kg (rat; OECD 408)

##### Additional toxicological information:

Aspiration hazard: not applicable

### 12. Ecological Information

#### 12.1. Aquatic Toxicity

##### Fish toxicity:

LC50: > 100 mg/l (96h, Danio rerio; OECD 203)

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### *Daphnia toxicity:*

EC50: > 100 mg/l (48h, *Daphnia magna*)

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

### *Bacteria toxicity:*

EC50: > 10000 mg/l (0.5h, *Pseudomonas putida*)

### *Algae toxicity:*

EC50: > 100 mg/l (72h, *Desmodesmus subspicatus*; OECD 201)

## 12.2. Persistency and Degradability

No information available.

## 12.3. Bioaccumulation

No information available.

## 12.4. Mobility

No information available.

## 12.5. Results of PBT- und vPvP Assessment

On the basis of available data, the product does not contain and PBT or vPvB in percentage greater than 0.1 %.

## 12.6. Other Adverse Effects

### *Water hazard class:*

1, slightly hazardous

### *Behaviour in sewage systems:*

### *Further ecological effects:*

### *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 waste disposal site or incineration plant, after consultation with site operator and/or with the responsible authority.

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

#### *Uncleaned packaging:*

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

### 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 (according to the German Regulation AwSV)*

Local regulations on chemical accidents:

*Seveso III Directive: not applicable under Directive 2012/18/EC.*

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 is not necessary for this product.*

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### 15.3. Further Information

*International Chemical Weapons Convention (CWC), list of the toxic chemicals and toxic chemical precursors: not forbidden and/or restricted*

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

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

*EC. REACH, Annex XIV, Candidate List of Substances of very High Concern (SVHC): 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.*