

# Safety Data Sheet

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



## 45702 Cobalt Blue, Sapporo

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Revised edition: 01.02.2023

Version: 1

Printed: 21.07.2023

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

#### 1.1. Product Identifier

*Product Name:* Cobalt Blue, Sapporo

*Article No.:* 45702

*UFI:* --

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

*Identified uses:*  
Synthetic pigment for dyeing industrial products.

*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.com

*EMail:* info@kremer-pigmente.com

*Importer:* --

#### 1.4. Emergency No.

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

#### 1.4.2 Poison Center:

### 2. Hazards Identification

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

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

H317  
Cat.: 1  
Skin sensitization, hazard category 1  
May cause an allergic skin reaction.

*Possible Environmental Effects:*  
See Section 12.

#### 2.2. Label Elements

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

*This product is classified and labelled according to CLP/GHS regulations.*

*Hazard designation:*



GHS07-1

*Signal word:*

Warning

*Hazard designation:*

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H317	May cause an allergic skin reaction.
<i>Safety designation:</i>	
P261	Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.
P272	Contaminated work clothing should not be allowed out of the workplace.
P280	Wear protective gloves/ clothing/ eye/ face protection.
P302+P352	If on skin: Wash with soap and water.
P321	Specific treatment (see label).
P333+P313	If skin irritation or rash occurs: Get medical attention.
P362	Take off contaminated clothing and wash before reuse.
P501	Dispose of contents/ container according to regional, national and international regulations.

*Hazardous components for labelling:*

### 2.3. Other Hazards

*After eye contact: can cause irritation.  
Prolonged skin contact can irritate skin.  
Frequent inhalation of dust over a long period of time increases the risk of developing lung diseases.*

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## 3. Composition/Information on Ingredients

### 3.1. Substance

### 3.2. Mixture

*Chemical Characterization:* Pigment Blue 74, C.I. 77366

*Information on Components / Hazardous Ingredients:*

Cobalt zinc silicate blue phenacite (H317); REACH Reg. No. 01-2120756267-47-0000	90 - 100 %	CAS-Nr: 68412-74-8 EINECS-Nr: 270-208-6 EC-Nr:
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*Additional information:*

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## 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.  
In case of complaints consult a physician.*

*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. In case of discomfort seek medical help.*

*After ingestion:*

*Do not induce vomiting. Consult physician immediately.*

**Most important Symptoms and Effects, both Acute and Delayed**

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4. 2.

*Symptoms:*

*Frequent inhalation of dust over a long period of time increases the risk of developing lung diseases.*

*Skin contact: prolonged contact may cause irritations.*

*Eye contact: can cause mechanical irritation.*

*Effects:*

4. 3. **Indication of any Immediate Medical Attention and special Treatment needed**

*Treatment:*

*No special first-aid measures necessary.*

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### 5. Fire-Fighting Measures

5. 1. **Extinguishing Media**

*Suitable extinguishing media:*

*Use extinguishing media for surrounding fire.*

*Unsuitable extinguishing media:*

5. 2. **Special Hazards arising from the Substance or Mixture**

*Special hazards:*

*No special hazards.*

5. 3. **Advice for Firefighters**

*Protective equipment:*

*Wear suitable protective clothing.*

*Further information:*

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### 6. Accidental Release Measures

6. 1. **Personal Precautions, Protective Equipment and Emergency Procedures**

*Personal precautions:*

*Ensure adequate ventilation.*

*Wear protective clothing.*

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**

*Protective clothing, see Section 8.*

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### 7. Handling and Storage

7. 1. **Precautions for Safe Handling**

*Instructions on safe handling:*

*The usual precautionary measures are to be adhered to when*

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*handling chemicals.*

*Hygienic measures:*

*Keep away from foodstuffs and drinks.*

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

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

*Storage conditions:*

*Store in a cool and dry place.*

*Requirements for storage areas and containers:*

*No special measures necessary.*

*Information on fire and explosion protection:*

*Take measures to prevent electrostatic discharge.*

*Storage class:*

*Further Information:*

### 7.3. Specific End Use(s)

*Further information:*

*See Section 1.2.; no other uses provided*

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## 8. Exposure Controls/Personal Protection

### 8.1. Parameters to be Controlled

*Parameters to be controlled (DE):*

*TWA-Value: 3 mg/m<sup>3</sup> air-borne fraction (general dust limit; 8h)*

*TWA-Value: 10 mg/m<sup>3</sup> general dust limit inhalable fraction (8h)*

*TLV: 0.10 mg/m<sup>3</sup> (inhalable dust fraction) based on cobalt.*

*Parameters to be controlled:*

*Derived No-Effect Level (DNEL):*

*Predicted No-Effect Concentration (PNEC):*

*Additional Information:*

### 8.2. Exposure Controls

*Technical protective measures:*

*Ensure adequate ventilation, especially in confined areas.*

*Personal Protection*

*General protective measures:*

*Do not inhale dust. Do not eat, drink or smoke while working. Wash hands before breaks and at the end of work.*

*Respiratory protection:*

*Dust mask recommended when very dusty (with particle filter P1 or FFP1).*

*Hand protection:*

*Protective gloves (EN 374)*

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*Protective glove material:*

*Eye protection:*

*Safety glasses (EN 166)*

*Body protection:*

*Environmental precautions:*

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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:*  
not available

*Melting temperature:*  
not determined

*Boiling temperature:*  
not available

*Flash point:*  
not applicable

*Evaporation rate:*  
not applicable

*Flammability (solid, gas):*  
not applicable

*Upper explosion limit:*  
no information available

*Lower explosion limit:*  
no information available

*Vapor pressure:*  
not applicable

*Vapor density:*  
No information available.

*Density:* 3 - 5 g/cm<sup>3</sup>

*Solubility in water:* insoluble

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

*Auto-ignition temperature:*  
not applicable

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*Decomposition temperature:*

*No data available.*

*Viscosity, dynamic:*

*not applicable*

*Explosive properties:*

*not applicable*

*Oxidizing properties:*

*no information available*

*Bulk density:*

*not determined*

### 9.2. Further Information

*Solubility in solvents:*

*Viscosity, kinematic:*

*Burning class:*

*Solvent content:*

*Solid content:*

*Particle size:*

*Other information:*

*No further information.*

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## 10. Stability and Reactivity

### 10.1. Reactivity

*Stable if used according to specifications.  
The product is stable.*

### 10.2. Chemical Stability

*Stable at room temperature.*

### 10.3. Possibility of Hazardous Reactions

*Unknown.*

### 10.4. Conditions to Avoid

*Conditions to avoid:*

*No information available.*

*Thermal decomposition:*

### 10.5. Incompatible Materials

*No information available.*

### 10.6. Hazardous Decomposition Products

*No information available.*

### 10.7. Further Information

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## 11. Toxicological Information

### 11.1. Information on Hazard Classes as defined in Regulation (EC) No. 1272/2008

*Acute Toxicity*

*LD50, oral:*

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*No information available*

*LD50, dermal:*

*No information available.*

*LC50, inhalation:*

*No information available.*

*Primary effects*

*Irritant effect on skin:*

*Prolonged skin contact can cause irritations, redness and dry skin.*

*Irritant effect on eyes:*

*Product dust may cause irritation.*

*Inhalation:*

*Can cause irritation of the respiratory system.  
Frequent or prolonged inhalation increases the risk of developing lung diseases.*

*Ingestion:*

*Not classified as harmful.*

*Sensitization:*

*No relevant data found.*

*Mutagenicity:*

*No relevant data found.*

*Reproductive toxicity:*

*No relevant data found.*

*Carcinogenicity:*

*No relevant data found.*

*Teratogenicity:*

*No information available.*

*Specific target organ toxicity (STOT):*

*No negative effects.*

*Aspiration hazard:*

*No information available.*

### 11. 2. Information on other Hazards

*Avoid inhalation of dust. Even inert dusts can impair the function of the respiratory system.*

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## 12. Ecological Information

### 12. 1. Aquatic Toxicity

*Fish toxicity:*

*No negative effects.*

*Daphnia toxicity:*

*No information available.*

*Bacteria toxicity:*

*no information available*

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*Algae toxicity:*

*No information available.*

### 12. 2. Persistency and Degradability

*Not readily biodegradable.*

### 12. 3. Bioaccumulation

*No bioaccumulation expected.*

### 12. 4. Mobility

*Weak solubility and mobility.*

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

*Not classified as PBT substance / Not classified as a vPvB substance.*

### 12. 6. Endocrine Disrupting Properties

*No data available.*

### 12. 7. Other Adverse Effects

*Water hazard class:*

*1, slightly hazardous*

*Behaviour in sewage systems:*

*Further ecological effects:*

*The product is not soluble in water. No negative effects expected.*

*AOX Value:*

## 13. Disposal Considerations

### 13. 1. Waste Treatment Methods

*Product:*

*Product can be taken to a waste disposal site according to local regulations.*

*European Waste Code (EWC):*

*Uncleaned packaging:*

*Contaminated packaging must be disposed like the substance.*

*Waste Code No.:*

## 14. Transport Information

### 14. 1. UN Number

*ADR, IMDG, IATA*

### 14. 2. UN Proper Shipping Name

*ADR/RID:*

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

*IMDG/IATA:*

*Not hazardous goods*

### 14. 3. Transport Hazard Classes

*ADR Class:*

*not applicable*

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*Hazard no.:*

*Classification code:*

*Tunnel restriction code:*

*IMDG Class (sea):*

*not applicable*

*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. Maritime Transport in Bulk according to IMO Instruments

*not applicable*

### 14. 8. Further Information

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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)*

*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 is not necessary for this product.*

### 15. 3. Further Information

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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.*