

# Safety Data Sheet

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



## 26400 XSL Cobalt Blue

Page 1

Revised edition: 24.04.2020

Version: 6.1

Printed: 05.01.2022

---

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

#### 1.1. Product Identifier

*Product Name:* XSL Cobalt Blue

*Article No.:* 26400

*UFI:* --

#### 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.com](http://www.kremer-pigmente.com)

*E-Mail:* [info@kremer-pigmente.com](mailto: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)*

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

*Possible Environmental Effects:*

#### 2.2. Label Elements

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

*No classification required according to the CLP/GHS guidelines.*

*Hazard designation:*

*Not applicable.*

*Signal word:*

*Hazard designation:*

*Safety designation:*

*Hazardous components for labelling:*

#### 2.3. Other Hazards

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

# Safety Data Sheet

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



## 26400 XSL Cobalt Blue

Page 2

Revised edition: 24.04.2020

Version: 6.1

Printed: 05.01.2022

### 3.

#### 3.1. Substance

#### 3.2. Mixture

*Chemical Characterization:* Pigment, water dispersable powder. Pigment Blue 28, C.I. 77346

*Information on Components / Hazardous Ingredients:*

2-Butenedioic acid (2Z-)- polymer with 2-methyl-1-propene and octadecene, sodium salt (H319)	7 - 10 %	CAS-Nr: 191175-18-5
		EINECS-Nr:
		EC-Nr:

*Additional information:*

### 4. First Aid Measures

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

*General information:*

*Remove contaminated clothes.*

*After inhalation:*

*Supply fresh air and seek medical advice in case of complaints.*

*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.*

*After ingestion:*

*Rinse mouth and give 200 - 300 ml of water to drink.*

#### 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:*

*Symptomatic treatment (decontamination, vital functions), no specific antidote known.*

### 5. Fire-Fighting Measures

#### 5.1. Extinguishing Media

*Suitable extinguishing media:*

*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 vapors may be released. Development*

*next page: 3*

# Safety Data Sheet

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



## 26400 XSL Cobalt Blue

Page 3

Revised edition: 24.04.2020

Version: 6.1

Printed: 05.01.2022

---

*of fumes/aerosol.*

### 5.3. Advice for Firefighters

*Protective equipment:*

*Wear self-contained respiratory protective device.*

*Further information:*

*Avoid formation of dust: risk of dust explosion.*

---

## 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.*

*Dispose of contaminated material according to Section 13.*

---

## 7. Handling and Storage

### 7.1. Precautions for Safe Handling

*Instructions on safe handling:*

*Respiratory protection when handling without exhaust system.*

*Hygienic measures:*

*Do not inhale dust. Wash hands before breaks and at the end of work.*

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

*Storage conditions:*

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

*Requirements for storage areas and containers:*

*Keep container tightly closed.*

*Information on fire and explosion protection:*

*Avoid dust formation. Protect against electrostatic charging.*

*Storage class:*

*11; Combustible solids (TRGS 510)*

next page: 4

# Safety Data Sheet

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



## 26400 XSL Cobalt Blue

Page 4

Revised edition: 24.04.2020

Version: 6.1

Printed: 05.01.2022

---

*Further Information:*

*Maximum storage temperature: 50°C (122°F)*

### 7.3. Specific End Use(s)

*Further information:*

*No further information available.*

---

## 8. Exposure Controls/Personal Protection

### 8.1. Parameters to be Controlled

*Parameters to be controlled (DE):*

*Cobalt aluminate blue spinel (1345-16-0)*

*Parameters to be controlled:*

*Derived No-Effect Level (DNEL):*

*Predicted No-Effect Concentration (PNEC):*

*Additional Information:*

### 8.2. Exposure Controls

*Technical protective measures:*

*Personal Protection*

*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:*

*Protective gloves (EN 374)*

*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.*

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

*Suitability and durability of a glove is dependent on usage, e.g. frequency and duration of contact, chemical resistance of glove material and dexterity. Always seek advice from glove suppliers.*

*Eye protection:*

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

*Body protection:*

*Protective clothing.*

*Environmental precautions:*

next page: 5

# Safety Data Sheet

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



## 26400 XSL Cobalt Blue

Page 5

Revised edition: 24.04.2020

Version: 6.1

Printed: 05.01.2022

---

*Prevent from getting into the soil, surface water and sewage system.*

---

### 9. Physical and Chemical Properties

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

<i>Form:</i>	<i>granules</i>
<i>Color:</i>	<i>blue</i>
<i>Odor:</i>	<i>odorless</i>
<i>Odor threshold:</i>	<i>no information available</i>
<i>pH-Value:</i>	<i>8 - 10 (100 g/l)</i>
<i>Melting temperature:</i>	<i>not determined</i>
<i>Boiling temperature:</i>	<i>not determined</i>
<i>Flash point:</i>	<i>not available</i>
<i>Evaporation rate:</i>	<i>This product is a non-volatile solid.</i>
<i>Flammability (solid, gas):</i>	<i>&gt; 500°C not highly flammable</i>
<i>Upper explosion limit:</i>	<i>no information available</i>
<i>Lower explosion limit:</i>	<i>no information available</i>
<i>Vapor pressure:</i>	<i>not applicable</i>
<i>Vapor density:</i>	<i>This product is a non-volatile solid.</i>
<i>Density:</i>	<i>not available</i>
<i>Solubility in water:</i>	<i>insoluble</i>
<i>Coefficient of variation (n-Octanol/Water):</i>	<i>no information available</i>
<i>Auto-ignition temperature:</i>	<i>Product is not auto-ignitable (Test type: Spontaneous self-ignition at room temperature)</i>
<i>Decomposition temperature:</i>	<i>not determined</i>
<i>Viscosity, dynamic:</i>	

next page: 6

# Safety Data Sheet

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



## 26400 XSL Cobalt Blue

Page 6

Revised edition: 24.04.2020

Version: 6.1

Printed: 05.01.2022

---

*not applicable*

*Explosive properties:*

*Product does not present an explosion hazard.*

*Oxidizing properties:*

*not oxidizing*

*Bulk density:*

*800 - 1200 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.*

*Minimum ignition energy: > 4 J (DIN EN 13821). The product is capable of dust explosion.*

*Hygroscopy: not hygroscopic*

---

## 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

*The product may contain explosive fine dust or such dust may be produced by abrasion during transport or product transfer.*

### 10.4. Conditions to Avoid

*Conditions to avoid:*

*Avoid formation of dust.*

*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

---

## 11. Toxicological Information

### 11.1. Information on Toxicological Effects

*Acute Toxicity*

*Practically not toxic after a single oral exposure.*

*LD50, oral:*

*> 5000 mg/kg*

next page: 7

# Safety Data Sheet

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



## 26400 XSL Cobalt Blue

Page 7

Revised edition: 24.04.2020

Version: 6.1

Printed: 05.01.2022

---

<i>LD50, dermal:</i>	<i>&gt; 5000 mg/kg</i>
<i>LC50, inhalation:</i>	<i>No information available.</i>
<i>Primary effects</i>	
<i>Irritant effect on skin:</i>	<i>Non irritating (rabbit; OECD 404)</i>
<i>Irritant effect on eyes:</i>	<i>Non-irritating to eyes (rabbit; OECD 405)</i>
<i>Inhalation:</i>	<i>No information available.</i>
<i>Ingestion:</i>	<i>No information available</i>
<i>Sensitization:</i>	<i>No sensitizing effects known (guinea pig; OECD 406).</i>
<i>Mutagenicity:</i>	<i>No mutagenic effects known.</i>
<i>Reproductive toxicity:</i>	<i>No relevant data found.</i>
<i>Carcinogenicity:</i>	<i>No relevant data found.</i>
<i>Teratogenicity:</i>	<i>No information available.</i>
<i>Specific target organ toxicity (STOT):</i>	<i>Single exposure: no organospecific toxicity expected. Repeated exposure: no information available.</i>
<i>Additional toxicological information:</i>	<i>Aspiration hazard: not applicable</i>

---

## 12. Ecological Information

### 12.1. Aquatic Toxicity

*Not hazardous for aqueous organisms.*

*Fish toxicity:*

*LC50: > 100 mg/l (96h, *Leuciscus idus*)*

*Daphnia toxicity:*

*No information available.*

*Bacteria toxicity:*

*EC10: > 100 mg/l (active sludge)*

*Algae toxicity:*

*No information available.*

### 12.2. Persistency and Degradability

*Not readily biodegradable.*

*Can be eliminated from water by chemical adsorption.*

next page: 8

# Safety Data Sheet

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



## 26400 XSL Cobalt Blue

Page 8

Revised edition: 24.04.2020

Version: 6.1

Printed: 05.01.2022

---

### 12.3. Bioaccumulation

*No bioaccumulation expected.*

### 12.4. Mobility

*No accumulation by the organisms.*

*Does not evaporate from the surface of the water to the atmosphere.*

*Adsorption to solid soil phase is not expected.*

### 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 (German Regulation) (Assessment by list): slightly hazardous.*

*Behaviour in sewage systems:*

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

*Treatment in biological waste treatment plant has to be performed according to local and administrative regulations.*

*Further ecological effects:*

*Do not discharge product uncontrolled into the environment.*

*AOX Value:*

---

## 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:*

*Non contaminated packaging can either be recycled or utilized for energy (incineration).*

*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:*

next page: 9



# Safety Data Sheet

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



## 26400 XSL Cobalt Blue

Page 9

Revised edition: 24.04.2020

Version: 6.1

Printed: 05.01.2022

---

*Not hazardous goods*

### 14.3. Transport Hazard Classes

*ADR Class:*

*not applicable*

*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. Transportation in Bulk according to Annex II of MARPOL 73/78 and IBC-Code

*not applicable*

### 14.8. Further Information

---

## 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:*

*Technical instructions on air quality:*

### 15.2. Chemical Safety Assessment

*A Chemical Safety Assessment is not necessary for this product.*

### 15.3. Further Information

next page: 10

## Safety Data Sheet

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



### 26400 XSL Cobalt Blue

Page 10

Revised edition: 24.04.2020

Version: 6.1

Printed: 05.01.2022

---

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

---

#### 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.*