

Safety Data Sheet

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



45740 Cobalt Blue, greenish

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Revised edition: 15.07.2025

Version: 2.0

Printed: 11.11.2025

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

1.1. Product Identifier

Product Name: Cobalt Blue, greenish

Article No.: 45740

UFI:

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

Identified uses:
Pigment for industrial application.

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)

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)

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:

2.3. Other Hazards

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3. Composition/Information on Ingredients

3.1. Substance

3.2. Mixture

Chemical Characterization: Co-Cr-Al-Oxide-Spinel; Pigment Blue 36, C.I. 77343
Inorganic pigment.

*Information on Components / Hazardous
Ingredients:*

Barium sulfate, C.I. Pigment White 21	10 - 20 %	CAS-Nr: 7727-43-7 EINECS-Nr: 231-784-4 EC-Nr:
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Cobalt chromite blue green spinel (Pigment Blue 36); REACH Reg. No. 01-2119963939-14-0000	CAS-Nr: 68187-11-1 EINECS-Nr: 269-072-0 EC-Nr:
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Additional information:

4. First Aid Measures

4.1. Description of the First Aid Measures

General information:

Do not leave affected persons unattended.

After inhalation:

In case of unconsciousness place patient stable in side position for transportation.

After skin contact:

Wash with soap and rinse with plenty of water.

Remove contaminated clothing.

If symptoms persist, consult a physician.

After eye contact:

Remove contact lens.

In case of continued complaints consult a specialist.

After ingestion:

Rinse mouth with water and give plenty of water to drink. Consult a physician.

Do not give milk or alcohol to drink.

Never give anything by mouth to an unconscious person.

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:

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Treat symptomatically.

5. Fire-Fighting Measures

5.1. Extinguishing Media

Suitable extinguishing media:

Use extinguishing media for surrounding fire.

Unsuitable extinguishing media:

Water with full jet.

5.2. Special Hazards arising from the Substance or Mixture

Special hazards:

Usual measures for chemical fires.

5.3. Advice for Firefighters

Protective equipment:

Wear self-contained respiratory protective device.

Further information:

Avoid contamination of sewage system, open water ways and ground water.

6. Accidental Release Measures

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

Personal precautions:

Avoid formation of dust, wear protective clothing.

Ensure adequate ventilation.

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:

Clean contaminated floors and objects thoroughly while observing environmental regulations.

Pick up and arrange disposal without creating dust.

Sweep up and shovel.

Collect in suitable containers for disposal.

6.4. Reference to other Sections

Protective clothing, see Section 8.

7. Handling and Storage

7.1. Precautions for Safe Handling

Instructions on safe handling:

No special measures necessary if properly handled.

Avoid formation of dust. Do not inhale dust.

Provide adequate ventilation.

Hygienic measures:

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Do not eat or drink during work. Do not smoke.

7.2. Conditions for Safe Storage, including any Incompatibilities

Storage conditions:

*Store in tightly sealed containers in a well ventilated location.
Store in a cool and dry place.*

Requirements for storage areas and containers:

No special measures necessary.

Information on fire and explosion protection:

No special measures necessary.

Storage class:

13; Non combustible solids (TRGS 510)

Further Information:

7.3. Specific End Use(s)

Further information:

8. Exposure Controls/Personal Protection

8.1. Parameters to be Controlled

Parameters to be controlled (DE):

TRGS 900

Barium sulfate: TWA: Average value (8h): 1.25 mg/m³ (airborne fraction); 10 mg/m³ (inhalable fraction); Short-term value (15 min): 2.5 mg/m³ (airborne fraction); 20 mg/m³ (inhalable fraction)

Parameters to be controlled:

Derived No-Effect Level (DNEL):

PNEC (Predicted No-Effect Concentration):

Additional Information:

8.2. Exposure Controls

Technical protective measures:

Provide adequate ventilation in case of dust formation.

Technical protective measures have priority to personal protective measures.

Personal Protection

General protective measures:

Wash hands before breaks and after work.

Wash hands and face at the end of work. Carry out work under a fume hood. Do not inhale product.

Respiratory protection:

Required in case of insufficient ventilation.

Recommended: Particle filter P

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Hand protection:

Wear gloves during prolonged or repeated contact.

Protective glove material:

Eye protection:

Safety glasses with protective shields (EN 166).

Body protection:

Safety shoes.

Environmental precautions:

9. Physical and Chemical Properties

9.1. Information on Basic Physical and Chemical Properties

<i>Form:</i>	<i>powder</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>6 - 8 (100 g/l)</i>
<i>Melting temperature:</i>	<i>500°C</i>
<i>Boiling temperature:</i>	<i>> 1000°C</i>
<i>Flash point:</i>	<i>not available</i>
<i>Evaporation rate:</i>	<i>No information available.</i>
<i>Flammability (solid, gas):</i>	<i>not available</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>No information available.</i>
<i>Density:</i>	<i>4.78 g/cm³</i>
<i>Solubility in water:</i>	<i>no information</i>
<i>Coefficient of variation (n-Octanol/Water):</i>	<i>not applicable</i>
<i>Auto-ignition temperature:</i>	

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No information available.

Decomposition temperature:

No data available.

Viscosity, dynamic:

not applicable

Explosive properties:

not available

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:

No data available.

Other information:

10. Stability and Reactivity

10.1. Reactivity

Stable if used according to specifications.

10.2. Chemical Stability

No decomposition if used according to specifications.

10.3. Possibility of Hazardous Reactions

No information available.

10.4. Conditions to Avoid

Conditions to avoid:

No information available.

Thermal decomposition:

No data available.

10.5. Incompatible Materials

No information available.

10.6. Hazardous Decomposition Products

None if stored and handled according to specifications.

10.7. Further Information

11. Toxicological Information

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

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Acute Toxicity

LD50, oral:

No information available

LD50, dermal:

No information available.

LC50, inhalation:

No information available.

Primary effects

Irritant effect on skin:

Non irritating

Irritant effect on eyes:

Non-irritating to eyes

Inhalation:

No information available.

Ingestion:

No information available

Sensitization:

Not known.

Mutagenicity:

No relevant data found.

Reproductive toxicity:

No information available.

Carcinogenicity:

No relevant data found.

Teratogenicity:

No information available.

Specific target organ toxicity (STOT):

Single exposure: Not classified based on available information.

Repeated exposure: Not classified based on available information.

Aspiration hazard:

Not applicable

11. 2. Information on other Hazards

Endocrine Disrupting Properties:

This substance/mixture does not contain any components with endocrine disrupting properties in a percentage of 0.1 or greater, according to Article 57(f) of the REACH Regulation (EC) No. 1907/2006 or the Delegated Regulation (EC) 2017/2100 or the Delegated Regulation (EC) 2018/605.

12. Ecological Information

12. 1. Aquatic Toxicity

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No information available.

Fish toxicity:

Daphnia toxicity:

Bacteria toxicity:

Algae toxicity:

12. 2. Persistency and Degradability

Methods for the evaluation of the biological degradability are not applicable for inorganic substances.

12. 3. Bioaccumulation

No data available.

12. 4. Mobility

No data available.

12. 5. Results of PBT- und vPvP Assessment

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

12. 6. Endocrine Disrupting Properties

This substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated Regulation (EU) No. 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1 % or higher.

12. 7. Other Adverse Effects

Water hazard class:

Not hazardous.

Behaviour in sewage systems:

Further ecological effects:

There are no data available on the product itself.

AOX Value:

13. Disposal Considerations

13. 1. Waste Treatment Methods

Product:

Dispose of according to official national and 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

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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

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

Not classified as environmentally hazardous.

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

15. Regulatory Information

15. 1. Safety, Health and Environmental Regulations/Legislation specific for the Substance or Mixture

Water hazard class:

0, not hazardous (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:

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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:

Classification II: 8 % inorganic dust

15. 2. Chemical Safety Assessment

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

EC SVHC-List: This product does not contain a substance in the candidate list for substances of very high concern (REACH Regulation (EC) 1907/2006, Article 57)

15. 3. Further Information

EC. REACH, Annex XIV, Candidate List of Substances of very High Concern (SVHC): not regulated / not applicable

Regulation (EC) 2024/590 - Substances that Deplete the Ozone Layer: not regulated / not applicable

Regulation (EU) 2019/1021 - Persistent organic pollutants: not regulated / not applicable

Regulation (EC) 649/2012 concerning the export and import of dangerous chemicals: Not applicable

Listed in the following inventories:

EINECS (269-072-0), TSCA (US), DSL/NDSL (CA), AICS (AUS), ENCS/ISHL (JP), KECI (KR), PICCS (PH), IECSC (CN), NZIoC (NZ), TCSI (TW), CICR (TR), TECI (TH), SWISS (CH)

California Prop. 65: WARNING! This product contains a chemical known to the State of California to cause cancer.

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.