

Safety Data Sheet

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



44130 Cobalt Bottle Green

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Revised edition: 02.08.2019

Version: 11

Printed: 03.04.2020

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

1.1. Product Identifier

Product Name: Cobalt Bottle Green

Article No.: 44130

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

Identified uses:

*Coloring agent, pigment
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

E-Mail: 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

Avoid formation of dust.

Composition/Information on Ingredients

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3.

3.1. Substance

3.2. Mixture

Chemical Characterization: Inorganic pigment. Pigment Green 26.77344

Information on Components / Hazardous Ingredients:

Cobalt chromite green spinel, CoCr2O4; REACH Reg. No. 01-2120757179-43	100 %	CAS-Nr: 68187-49-5 EINECS-Nr: 269-101-7 EC-Nr:
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Additional information:

4. First Aid Measures

4.1. Description of the First Aid Measures

General information:

No special measures required.

After inhalation:

Supply fresh air.

After skin contact:

Wash with soap and rinse with plenty of water.

After eye contact:

Rinse open eyes with plenty of water for at least 15 minutes.

After ingestion:

If symptoms persist consult 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.

5. Fire-Fighting Measures

5.1. Extinguishing Media

Suitable extinguishing media:

*Carbon dioxide (CO2), extinguishing powder.
Fight larger fire with water jet or alcohol resistant foam.*

Unsuitable extinguishing media:

Water with full jet.

5.2. Special Hazards arising from the Substance or Mixture

Special hazards:

In case of fire: formation of carbon monoxide and dioxide.

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5.3. Advice for Firefighters

Protective equipment:

Wear suitable protective clothing.

Further information:

Cool exposed containers with water spray.

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 contact with eyes and skin.

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.

Dispose of contaminated material according to Section 13.

7. Handling and Storage

7.1. Precautions for Safe Handling

Instructions on safe handling:

Avoid formation and deposition of dust. Provide adequate ventilation.

Respiratory protection when handling without exhaust system.

Hygienic measures:

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 dry and cool room.

Keep away from ignitable sources, heat and fire.

Store between 5 - 35°C.

Requirements for storage areas and containers:

Store the product in the original container.

Information on fire and explosion protection:

Storage class:

Further Information:

7.3. Specific End Use(s)

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Further information:

8. Exposure Controls/Personal Protection

8.1. Parameters to be Controlled

Parameters to be controlled (DE):

Does not contain any components with workplace limit values.

Parameters to be controlled:

Derived No-Effect Level (DNEL):

Predicted No-Effect Concentration (PNEC):

Additional Information:

8.2. Exposure Controls

Technical protective measures:

Provide adequate ventilation.

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:

If exposure limit is exceeded: dust mask with particle filter P2 (for solid and liquid particles DIN 3181).

Hand protection:

Protective gloves (EN 374)

Protective glove material:

Polyvinyl chloride (> 480 min, 0.35 mm)

Eye protection:

Safety glasses (EN 166)

Body protection:

Not required.

Environmental precautions:

9. Physical and Chemical Properties

9.1. Information on Basic Physical and Chemical Properties

Form: powder

Color: green

Odor: odorless

Odor threshold: not determined

pH-Value: not available

Melting temperature: not available

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<i>Boiling temperature:</i>	<i>not applicable</i>
<i>Flash point:</i>	<i>not applicable</i>
<i>Evaporation rate:</i>	<i>not applicable</i>
<i>Flammability (solid, gas):</i>	<i>not applicable</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>Density:</i>	<i>4.53 g/cm³</i>
<i>Solubility in water:</i>	<i>insoluble</i>
<i>Coefficient of variation (n-Octanol/Water):</i>	<i>not determined</i>
<i>Auto-ignition temperature:</i>	<i>not applicable</i>
<i>Decomposition temperature:</i>	<i>not determined</i>
<i>Viscosity, dynamic:</i>	<i>not applicable</i>
<i>Explosive properties:</i>	<i>not available</i>
<i>Oxidizing properties:</i>	<i>no information available</i>

Bulk density:

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

Unknown.

10.4. Conditions to Avoid

Conditions to avoid:

No further information available.

Thermal decomposition:

10.5. Incompatible Materials

Strong acids and alkalies.

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

LD50, oral:

No information available.

LD50, dermal:

No information available.

LC50, inhalation:

5.05 mg/l (4h, rat)

Primary effects

Irritant effect on skin:

Longterm contact may cause dry skin.

Irritant effect on eyes:

May irritate eyes.

Inhalation:

No irritant effect known.

Ingestion:

No irritant effect known.

Sensitization:

No sensitizing effects known.

Mutagenicity:

No mutagenic effects known.

Reproductive toxicity:

No negative effects known.

Carcinogenicity:

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No negative effects.

Teratogenicity:

No information available.

Specific target organ toxicity (STOT):

No relevant data found.

Additional toxicological information:

No quantitative toxicological data available for this product.

12. Ecological Information

12.1. Aquatic Toxicity

No information available.

Fish toxicity:

Daphnia toxicity:

Bacteria toxicity:

Algae toxicity:

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

12.6. Other Adverse Effects

Water hazard class:

Do not let product contaminate ground water, waterways or sewage system.

Behaviour in sewage systems:

Further ecological effects:

No ecological data available.

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

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14. 1.	UN Number	
	<i>ADR, IMDG, IATA</i>	
14. 2.	UN Proper Shipping Name	
	<i>ADR/RID:</i>	<i>No hazardous goods according to ADR (land transportation).</i>
	<i>IMDG/IATA:</i>	<i>No hazardous goods according to IMDG.</i>
14. 3.	Transport Hazard Classes	
	<i>ADR Class:</i>	<i>not applicable</i>
	<i>Hazard no.:</i>	
	<i>Classification code:</i>	
	<i>Tunnel restriction code:</i>	
	<i>IMDG Class (sea):</i>	
	<i>Hazard no.:</i>	
	<i>EmS No.:</i>	
	<i>IATA Class:</i>	<i>not applicable</i>
	<i>Hazard no.:</i>	
14. 4.	Packaging Group	
	<i>ADR/RID:</i>	<i>not applicable</i>
	<i>IMDG:</i>	
	<i>IATA:</i>	
14. 5.	Environmental Hazards	<i>None</i>
14. 6.	Special Precautions for User	<i>Not classified as a dangerous good under transport regulations.</i>
14. 7.	Transportation in Bulk according to Annex II of MARPOL 73/78 and IBC-Code	<i>not applicable</i>
14. 8.	Further Information	
15.	Regulatory Information	
15. 1.	Safety, Health and Environmental Regulations/Legislation specific for the Substance or Mixture	
	<i>Water hazard class:</i>	<i>0, not hazardous (German Regulation; Self-assessment)</i>
	<i>Local regulations on chemical accidents:</i>	<i>Seveso III: does not apply</i>
	<i>Employment restrictions:</i>	
	<i>Restriction and prohibition of application:</i>	

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Technical instructions on air quality:

15.2. Chemical Safety Assessment

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

15.3. Further Information

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

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

Listed in the following inventories:

TSCA (USA): All components of this product are in compliance with the inventory listing requirements of the U.S. Toxic Substance Control Act (TSCA) Chemical Substance Inventory.

Risk rating system NFPA 704:

HMIS-Ratings (USA): Health hazard: 0 (Normal Material);

Flammability: 0 (Will not burn); Reactivity: 0 (Stable)

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.